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Project Manager
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Division of Environmental Remediation
Bureau A, Section B, 12th Floor
625 Broadway
Albany, New York 12233-7015

RE: Letter Site Characterization Report
Site No.: C152228A, South Shore Outdoor—Off-Site
Contract/Work Assignment No. D009806-33
Bay Shore, Suffolk County, New York

Dear Mr. Imbaquingo:

This letter report summarizes field activities performed by EA Engineering and Geology, P.C. (EA) between 10-14 July 2023 and 27-28 February 2024 based on the approved Site Characterization Workplan[1] and Soil Vapor Intrusion (SVI) Investigation Work Plan[2] for site characterization investigations and follow-up SVI investigations (**Attachment A**) at the South Shore Outdoor Site (Site No. C152228) and South Shore Outdoor Off-Site (Site No. C152228A). The South Shore Outdoor Site is a property (currently CVS, a retail pharmacy store) located at 1760 5th Avenue, at the corner of 5th Avenue and Candlewood Road in the town of Bay Shore, Suffolk County, New York. The off-site area of South Shore Outdoor Site, hereafter South Shore Outdoor-Off-Site, as part of this investigation, is a property at 5th Avenue Plaza (located at 1750 5th Avenue, due south of 1760 5th Avenue across Candlewood Road, Bay Shore, New York; Tax Parcel # 0500- 182.00-01.00-042.000), consisting of nine (9) individual units (several currently occupied by businesses) and several streets downgradient of the Site (i.e., south of Candlewood Road) (**Figure 1**). These areas were sampled for groundwater, soil vapor, and sub-slab vapor samples.

1. SITE DESCRIPTION AND HISTORY

The South Shore Outdoor site is a 1.89-acre property located at 1760 5th Avenue, Bay Shore, Suffolk County, New York (**Figure 1**). The property is currently in the New York State Brownfield Cleanup Program which is administered by the New York State Department of Environmental Conservation (NYSDEC). The site was developed sometime before 1969 and was a manufacturer of printed circuit boards. A window manufacturer and installer occupied the site sometime in the mid-1980s. Prior to the remedial action in 2017, the property was the source area of chlorinated volatile organic compounds (VOCs), which were improperly disposed of in drywells located

[1] EA. 2023. *Letter Workplan for Site Characterization.* July.
[2] EA. 2024. *Letter Workplan for Soil Vapor Intrusion Investigation*. February.

on-site. The remedial action in 2017 demolished the former building, excavated the impacted soils and sediment, and replaced the soils with clean fill, suitable for future commercial use at the site.

Currently, South Shore Outdoor site is being used as a retail pharmacy store and the off-site area, mostly downgradient of the site, is comprised of residential and commercial properties.

2. OBJECTIVE

NYSDEC issued EA a work assignment to perform a site characterization at the area off-site of the South Shore Outdoor site property. Activity locations can be found in **Figure 1.**

Completed field activities include:

- Groundwater gauging of on-site and off-site monitoring wells during both field mobilizations
- Groundwater sampling of two existing monitoring wells
- Soil vapor intrusion investigation and sampling
- Documentation of boring locations via Global Navigation Satellite System
- Containment and treatment of investigation-derived waste (IDW).
- Building inventory and reconnaissance of businesses sampled in 5th Avenue Plaza
- Installation of three temporary sub-slab soil vapor monitoring points in three of the nine units within the 5th Avenue Plaza as outlined in the SVI Workplan.[2]
- Concurrent soil vapor sample collection from three sub-slab monitoring points and corresponding indoor air samples
- Installation of soil vapor monitoring points, leak testing and soil vapor sample collection at the CVS property and 5th Avenue Plaza property
- Sample collection from one outdoor/ambient air location placed upwind of the plaza
- Differential pressure monitoring of indoor and outdoor air, and indoor air and the sub-slab environment

Work performed under this work assignment was conducted in accordance with EA's Generic Quality Assurance Project Plan[3], EA's Generic Field Activities Plan[4], EA's Generic Health and

[3] EA. 2020. *Generic Quality Assurance Project Plan for Work Assignments under NYSADEC Contract D009806*. Revision 01. April
[4] EA. 2023. *Generic Field Activities Plan for Work Assignments under NYSDEC Contract D009806*. Revision 02. March.

Safety Plan[5], and a site-specific Health and Safety Plan Addendum[6]. Daily Field Reports and Field Forms can be found in **Attachments B and C,** respectively, of this letter report.

3. SITE CHARACTERIZATION FIELD ACTIVITIES

3.1 UTILITY CLEARANCE AND SYNOPTIC WELL GAUGING

Prior to field activities, AARCO Environmental Services (AARCO) acquired permits from the Town of Islip (30 June 2023) for the boring locations where necessary. Additionally, AARCO contacted Dig Safely New York so any public utilities could be marked out. AARCO supplied copies of all permits and Dig Safe New York notifications and responses to EA prior to mobilizing. AARCO hand cleared (completed a soft dig) 5 feet (ft) below ground surface (bgs) to confirm no utility interference existed at each of the proposed drilling locations.

Prior to the commencement of drilling activities on 10-14 July 2023 and 27 February 2024, EA performed synoptic gauging events of all on-site and off-site wells (**Figure 1 and Table 1)**. Existing well information with gauging results can be found in **Table 1** and groundwater contour from the gauging events in July 2023 and February 2024 depicting flow direction generally to the southwest are presented in **Figures 2 and 3** respectively. Groundwater levels and well depths were measured and recorded on gauging forms presented in **Attachment C.**

3.2 BOREHOLE ADVANCEMENT AND IN SITU GROUNDWATER SAMPLING

From 10-13 July 2023, AARCO installed a total of 9 soil borings. These 9 borings consisted of three ranges: 33-43 ft bgs, 43-53 ft bgs, and 53-63 ft bgs, as shown on **Figures 4 through 6**. EA collected in situ groundwater samples every 10 ft bgs beginning at the water table (approximately 32.86-37.81 ft bgs). Soil borings were installed with Geoprobe® via direct push technology, and in situ groundwater samples were captured with an SP-16 screen. A clean SP-16 sampler was driven to the desired sampling depth each time. Extension rods were used to hold the screen in position while the rods and sheath were retracted. AARCO was able to push to depth without generating drill cuttings (solid IDW).

An EA geologist collected in situ groundwater samples once the sampler was set. EA initially tried sampling the in situ groundwater using a peristaltic pump but the sample collection could not be achieved due to insufficient hydraulic head to extract groundwater. In place of the peristaltic pump, a 1-inch diameter stainless steel bailer with rope was utilized. A set of water quality parameters was recorded prior to sample collection and is provided in **Attachment C**.

Once drilling activities were completed, the borehole was backfilled to the ground surface with a bentonite grout mixture. All locations were restored to match existing surface conditions. Topsoil and grassy areas were restored following completion of the work (e.g., track marks raked and seeded, depressions backfilled and seeded, etc.). Paved areas were restored with asphalt cold-patch or concrete.

[5] EA. 2020. *Generic Health and Safety Plan for Work Assignments under NYSDEC Contract D009806*. Revision 01. March.
[6] EA. 2023. *Health and Safety Plan Addendum South Shore Outdoor (C152228A) Bay Shore, New York*. May.

Upon the completion of restoration activities, EA documented borings with a Global Navigation Satellite System following their completion and recorded their coordinates as shown in **Table 2.**

3.3 GROUNDWATER SAMPLING

Samples were collected using low-flow sampling procedures and protocols with a GeoTech submersible pump. Each well was monitored for water level and water quality (including temperature, pH, conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) for the duration of purging. Water samples were collected following stabilization of parameters in accordance with the EA Generic Field Activities Plan[3]. Water quality parameters and flow rates were recorded on groundwater sampling and purge log forms, presented in **Attachment C**. In addition to the in situ groundwater sampling, EA collected groundwater samples from monitoring wells CW-01 and FN-19 on 13 July 2023 (**Figure 1**).

3.4 SOIL VAPOR POINT INSTALLATION AND SAMPLING

Three soil vapor points were installed within the vadose zone utilizing direct push methods on 11 and 12 July 2023. The depth for installation of soil vapor points was 10 ft bgs. A 6-inch stainless steel sampling screen attached to a dedicated section of 0.25-inch diameter Teflon or Teflon-lined tubing was installed in the borehole to collect soil gas samples. Glass beads or comparable sand were used to backfill the borehole to a minimum of 6 inches above the stainless-steel screen. Granular bentonite pellets were placed above the glass beads to within 1 ft of grade, hydrated concurrently with placement. The remaining 1 ft of annular space was backfilled with sand and a 6-inch diameter steel cover and concrete pad was installed at grade. For soil vapor sampling, a leak test was performed 24 hours after installing the soil vapor points. Upon passing the leak test, soil vapor points were sampled immediately and sent to Pace Analytical for analysis via U.S. Environmental Protection Agency (EPA) Method TO-15. One duplicate sample was collected. Leak test results can be found in **Attachment C**. Soil vapor samples were collected using 6-liter summa canisters over a 2-hour period.

Similar to the July 2023 event, two soil vapor points were installed to a target depth 10 ft below ground surface within the vadose zone utilizing direct push methods as shown on **Figure 1** at the CVS property (South Shore Outdoor Site) on 27 February 2024. Installation methods were similar to the steps described in the above paragraph and details of installation can be found in the SVI Investigation Letter Report in **Attachment A**. Soil vapor point construction log can be found in **Attachment C**.

Twenty-four hours following soil vapor point installation, a dry leak test was performed using helium tracer gas. All soil vapor points passed the leak test during this sampling event. Soil vapor samples were collected in a similar manner to the steps described above for the July 2023 event. More details can be found in **Attachment A**.

EA documented soil vapor points with a Global Navigation Satellite System following their installation completion and recorded their coordinates as shown in **Table 6.**

3.5 SVI EVALUATION AND SAMPLING

SVI evaluation activities were performed as specified in the 2024 Letter Workplan for SVI Investigation[2] and are described further in the SVI Letter Report (**Attachment A**).

The SVI evaluation was conducted at an existing structure within three of the nine individual units in 5th Avenue Plaza from 27 February 2024 to 28 February 2024. Two of the units have an active business and one does not currently have an operating business but is undergoing remodeling. The SVI evaluation included sub-slab soil vapor sample collection with concurrent indoor air sample collection and outdoor air sample collection. The property has no basement or crawlspace. Three sub-slab points were identified in the work plan to be sampled. These points were placed in three business units of the structure and are identified below:

- Unit 1: Dunkin Donuts Baskin Robins
- Unit 2: Currently a vacant business undergoing remodeling.
- Unit 3: Variety/Convenience Store

Soil-vapor sampling points were installed on the first floor. Samples were collected in accordance with Section 11 of the Generic Field Activities Plan[4] and New York State Department of Health (NYSDOH) SVI Guidance[7].

Structure (5th Ave Plaza) Inspection/Inventory and Owner Questionnaire

EA inspected and documented the conditions at the sampling locations in 5th Avenue Plaza on the day of sample collection on a Structure Sampling Questionnaire and Building Inventory (**Attachment C**). Three of the nine businesses at the 5th Avenue property were sampled. Two locations were businesses located on the north and south end of the 5th Avenue Plaza and the third location was at a business nearest to the soil vapor boring (5AVE-SV-2) with higher soil vapor PCE detection during the Site Characterization (2023) sampling event. This business was located in the middle of the plaza in a unit that is currently not operating and was undergoing renovations. The building inventory and inspections conducted prior to sampling activities were used to identify possible sub-slab soil vapor-entry points. Building inventories and a questionnaire can be found in **Attachment C**.

Sub-Slab Vapor Sampling

The sub-slab vapor points were installed according to the SVI Investigation Work Plan (**Attachment A**). A visual assessment of the condition of the floor slab of the building was completed. The locations of the sub-slab vapor points were selected to be out of the line of traffic and convenient for the business units' operations. Location of the sub-slab vapor points can be found in **Figure 1**. Sub-slab points were installed via a hammer drill through the floor slab and sealed with beeswax. Once the sub slab vapor point was installed and the beeswax had hardened, a dry leak test was performed using helium tracer gas. All sub-slab points passed the leak test, and

[7] NYSDOH. *Soil Vapor / Indoor Air Decision Matrices.* 2017.

no repair or augmentation was required. Samples were collected in a similar manner to the samples described in Section 3.4. Additional details can be found in **Attachment A**.

The serial number of the canister and associated regulator were recorded on the field sampling form (provided as **Attachment C**). Sample identification, sample start date/time, vacuum gauge pressure, and required analysis (EPA Method TO-15) were recorded on the canister identification tag and the field sampling form.

Following the 8-hour collection period, the canister valve was closed to terminate sample collection, unless the gauge had previously reached a pressure under -5"Hg. The flow regulator ending gauge pressure and sample end time were recorded on the canister identification tag and the field sampling form. Pertinent sample information was recorded on the associated chain-of custody and the canister was repackaged into the original box. The sub-slab soil vapor sample was sent to the analytical laboratory for VOC analysis by EPA Method TO-15.

Indoor and Outdoor Air Sampling

Three indoor air samples and one duplicate indoor air sample were collected from the building as part of the SVI evaluation. Sample activities were carried out as specified in the SVI Investigation Workplan (**Attachment A**). Indoor air samples were collected in the general vicinity of the sub-slab monitoring points. An ambient outdoor air sample was placed in proximity to the structure. Indoor and outdoor air samples were set up to collect a representative air sample from within the breathing zone (i.e., 3–5 ft above the floor). Samples were collected in a similar manner to the samples described in the above sections. Additional information can be found in **Attachment A**. Locations of the indoor and outdoor air samples are illustrated in **Figure 1**. Indoor and outdoor air samples were sent to the analytical laboratory for VOC analysis by EPA Method TO-15 SIM.

3.6 LABORATORY ANALYSIS OF GROUNDWATER AND AIR SAMPLES

In situ groundwater samples were sent to Pace Analytical laboratory facility in East Longmeadow, an NYSDEC callout laboratory, for analysis of groundwater VOCs via EPA Method 8260D and indoor/outdoor air and soil vapor VOCs via Method TO-15 and TO-15 selected ion monitoring (SIM) (indoor air only). In situ groundwater samples collected from 5th Avenue Plaza were submitted for additional analysis of per- and polyfluoroalkyl substances (PFAS) via EPA Method 1633, and 1,4-dioxane via 8270 SIM. There was a total of 22 in situ groundwater samples, 2 groundwater samples from existing monitoring wells, 3 indoor air samples, 3 sub slab samples, 1 outdoor air sample, and 5 soil vapor samples, plus associated quality control (QC) samples. QC samples consisted of a matrix spike/matrix spike duplicate at a 5 percent (%) rate, field duplicates at a 5% rate, an equipment blank once per day, and a trip blank with each cooler. Sample identification and associated sample quality assurance/QC can be found in **Tables 2 through 8**. All samples were submitted for analysis on a standard 10-day turnaround time requesting sample results in the most recent NYSDEC EQuIS format and any associated Category B deliverables.

3.7 DECONTAMINATION PROCEDURES AND INVESTIGATION DERIVED WASTE

The SP16 sampler was decontaminated with a non-phosphate detergent wash, potable water rinse, isopropanol rinse, potable water rinse, and deionized water rinse between sample intervals and between borings. An equipment blank was taken once per day from the SP16 sampler and new dedicated high-density polyethylene tubing.

The stainless-steel bailer was decontaminated between sampling intervals using the methods described above and an equipment blank taken once per day along with the SP16 sampler.

Gloves, tubing, and any other miscellaneous disposable materials were disposed of as municipal trash at the end of each day.

Liquid IDW from groundwater sampling and decontamination activities was treated via 5-gallon container of granular activated carbon and discharged to an impermeable ground surface.

4. ANALYTICAL RESULTS

Analytical data for all samples and associated sample quality assurance/QC can be found in **Tables 2 through 8** and shown on **Figures 4 through 7**. All groundwater samples were analyzed by Pace Analytical laboratory facility in East Longmeadow, Massachusetts. Data validation was provided by Environmental Data Services, LTD of Pittsburgh, Pennsylvania, an independent third-party reviewer. Laboratory analytical data and a validated data report are provided in **Attachment D** of the report.

4.1 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were analyzed for VOCs, PFAS, and 1,4-dioxane along with collection of water quality parameters during the sampling event. **Tables 2 through 5** list analytical results compared to applicable NYSDEC Ambient Water Quality Standards (AWQS). Water quality parameters are provided in **Attachment C**. The following is a brief discussion of notable results:

- **VOCs—** Concentrations of VOCs above the NYSDEC AWQS were detected in 5AVE-DPT-1-40, 5AVE-DPT-2-35, 5AVE-DPT-3-40, 5AVE-DPT-3-50, BEL-DPT-2-35, CLAR-DPT-1-45, CLAR-DPT-1-55, and FN-19-13072023. Concentrations of 1,1,1-trichloroethane and 1,1-dichloroethane (DCA) above the NYSDEC AWQS were observed in 5AVE-DPT-1-40, 5AVEDPT-3-50, and FN-19-13072023. Concentrations of 1,1-DCA above the NYSDEC AWQS were observed in 5AVE-DPT-2-35, 5AVE-DPT-3-40, and CLAR-DPT-1-45. Exceedances of 1,1-DCA and benzene were observed in CLAR-DPT-1-55. **Tables 2 and 5** provide full results.

- **PFAS**— Concentrations of perfluorooctanesulfonic acid above the NYSDEC AWQS were detected in all in situ groundwater samples (5AVE-DPT-1-40/50, 5AVE-DPT-2-35/45, and 5AVE-DPT-3-40/50). Concentrations of perfluorooctanoic acid above the NYSDEC AWQS were detected in 5AVE-DPT-1-40/50, 5AVE-DPT-2-45, and 5AVE-DPT-3-40/50, but not 5AVE-DPT-2-35. **Table 3** provides full results.

- **1,4-Dioxane—** No samples were reported with concentrations of 1,4-Dioxane above the NYSDEC AWQS. **Table 4** provides full results.

4.2 SOIL VAPOR ANALYTICAL RESULTS

4.2.1 Soil Vapor Results offsite

Air samples were analyzed for VOCs. **Table 6** and **Figure 7** list analytical results. The following is a brief discussion of notable results:

- **VOCs —** 5AVE-SV-1 contained elevated concentrations of PCE and 1,1- DCE and *cis*-1,2-DCE. **Table 6** provides the full results.

4.2.2 Soil Vapor Results Onsite at the CVS property (1760 5th Avenue Plaza)

- There are currently no NYSDEC and NYSDOH screening values associated with soil vapor to compare the results to. Site COCs that were detected in the soil vapor samples CVS-SV-1 and CVS-SV-2 were: 1,1,1-TCA (15 µg/m^3 and 230 µg/m^3, respectively), 1,1-dichloroethane (0.36 µg/m^3 and 10 µg/m^3, respectively), and TCE (14 µg/m^3 and 560 µg/m^3, respectively). PCE was detected at CVS-SV-1 and CVS-SV-2 at 1.5 µg/m^3 and 130 µg/m^3, respectively. Other detections can be found in **Table 3**. Carbon tetrachloride, which was detected indoors at the 1750 5th Avenue Plaza, was ND in both soil vapor samples on the CVS property. Similarly, 1,2,4-Trimethylbenzene that was detected in Unit 3 was detected as well; however, it was not detected above sub-slab vapor screening levels, though those screening levels do not apply to this type of sample. **Table 6** provides the full results. Analytical Results are shown on **Figure 7**

4.3 SVI ANALYTICAL RESULTS

Sub-slab vapor, indoor air, and ambient air samples were analyzed for VOCs via Method TO-15 and TO-15 SIM (indoor air only). Indoor air and sub-slab vapor sample concentration were screened via NYSDOH SVI decision matrices, which are detailed in **Tables 7 and 8**. Ambient air results are included in these tables as well; however, NYSDEC and NYSDOH does not have a screening criterion that apply to ambient/ outdoor air for VOCs.

4.3.1 Ambient Outdoor Air

As stated above, NYSDEC and NYSDOH do not have screening criteria that apply to ambient/outdoor air for VOCs. No Site COCs were detected in the ambient outdoor air sample. It should be noted that carbon tetrachloride (which is not a site COC) was detected in the outdoor air sample, at a concentration of 0.52 µg/m^3, which is within the range of documented ambient air concentrations for New York State and nationwide[8] (0.50 – 0.72 µg/m^3). Carbon tetrachloride was also detected in all the indoor air samples. The level of this analyte that was detected in the ambient

8 U.S. Environmental Protection Agency (EPA). 2022. Our Nation's Air: Trends through 2021. Accessed 22 May 2024. https://gispub.epa.gov/air/trendsreport/2022/#toxics

outdoor air does not trigger any action and was not detected in the sub-slab or the soil vapor samples. Analytical results can be found in **Table 7** and are illustrated on **Figure 7**.

4.3.2 SVI Sub-Slab Vapor/Indoor Air Results

There are 21 assigned analytes within the NYSDOH decision matrices that will initiate relevant actions to address current and potential exposures related to SVI. Sub-slab vapor and indoor results were screened via NYSDOH Decision Matrices, and the following provides a concise summary of the recommended actions from each analyte:

- NYSDOH Decision Matrix A (Carbon Tetrachloride, 1,1-DCE, cis-1,2-DCE, and TCE).
    - Carbon Tetrachloride exhibited a concentration of 1.3 µg/m^3 in indoor air at Unit 1 and the correspondent sub-slab sample was non-detect, which suggests the action of identifying sources and resample/ mitigate.
    - 1,1-DCE, cis-1,2-DCE, and TCE were non-detect in all samples, which suggests a no further action.
- NYSDOH Decision Matrix B (PCE, 1,1,1-TCA, Methylene Chloride).
    - PCE was detected at Unit 1 with a concentration of 0.33 µg/m^3 in indoor at and the corresponding sub-slab sample concentration was 0.60 J µg/m^3, Unit 2 in the sub-slab sample with a concentration of 0.73 µg/m^3 (corresponding indoor air was non-detect), and Unit 3 in the sub-slab sample with a concentration of 6.9 µg/m^3. All of the PCE detections fall within the No further action decision.
    - 1,1,1-TCA was detected in Unit 1 with a concentration of 0.17 µg/m^3 in the indoor air sample and the corresponding sub-slab concentration was 72 µg/m^3, Unit 2 with a sub-slab concentration of 1.2 µg/m^3 with a non-detect in the corresponding indoor air sample, and Unit 3 with a concentration of 5.8 µg/m^3 in the sub-slab sample. All of the 1,1,1-TCA concentrations fall within the no further action decision.
    - Methylene Chloride was detected at Unit 1 with a concentration of 1.1 µg/m^3 in the indoor air sample with a corresponding non-detect concentration in the sub-slab sample, Unit 2 with a concentration of 0.46 µg/m^3 in the indoor air sample with a corresponding non-detect concentration in the sub-slab sample, and in Unit 3 with a concentration of 5.1 J µg/m^3 in the indoor air sample with a corresponding non-detect concentration in the sub-slab sample. All of the Methylene Chloride concentrations fall within the no further action decision.
- NYSDOH Decision Matrix C (Vinyl Chloride).
    - All sub-slab and indoor air samples were non-detect for vinyl chloride.

- NYSDOH Decision Matrix D (Benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, o-xylene).

    - Benzene was detected at Unit 1 with a concentration of 1.4 µg/m^3 in indoor air and the corresponding sub-slab sample concentration was 0.12 J µg/m^3, Unit 2 in the indoor air sample with a concentration of 0.50 µg/m^3 and at the corresponding sub-slab sample concentration was 0.17 J µg/m^3, and Unit 3 in the indoor air sample with a concentration of 0.6 µg/m^3 with a corresponding sub-slab sample concentration of 0.29 µg/m^3. All of the benzene detections fall within no further action decision.

    - Ethylbenzene was detected at Unit 1 with a concentration of 0.5 µg/m^3 in indoor air and a non-detect corresponding sub-slab sample, Unit 2 in the indoor air sample with a concentration of 0.29 µg/m^3 and a non-detect corresponding sub-slab sample, and Unit 3 in the indoor air sample with a concentration of 0.36 µg/m^3 with a non-detect corresponding sub-slab sample. All of the ethylbenzene detections fall within the no further action decision.

    - Naphthalene was detected at Unit 1 with a concentration of 0.26 µg/m^3 in indoor air and a non-detect corresponding sub-slab sample, Unit 2 in the indoor air sample with a concentration of 0.23 µg/m^3 and a non-detect corresponding sub-slab sample, and Unit 3 in the indoor air sample with a concentration of 0.20 µg/m^3 with a non-detect corresponding sub-slab sample. All of the naphthalene detections fall within the no further action decision.

    - Cyclohexane was detected at Unit 1 with a concentration of 0.28 µg/m^3 in indoor air and a non-detect corresponding sub-slab sample, Unit 2 in the indoor air sample with a concentration of 0.17 µg/m^3 and a non-detect corresponding sub-slab sample, and Unit 3 in the indoor air sample with a concentration of 0.24 µg/m^3 with a non-detect corresponding sub-slab sample. All of the cyclohexane detections fall within the no further action decision.

    - 1,2,4-Trimethylpentane was detected at Unit 1 with a concentration of 0.89 µg/m^3 in indoor air and a non-detect corresponding sub-slab sample, Unit 2 in the indoor air sample with a concentration of 2.9 µg/m^3 and a non-detect corresponding sub-slab sample, and Unit 3 in the indoor air sample with a concentration of 12 µg/m^3 with a non-detect corresponding sub-slab sample. The indoor air concentration in Unit 3 suggests identifying sources and resample/ mitigate. All other detections of 1,2,4-Trimethylpentane detections fall within no further action decision.

    - 1,3,5-Trimethylbenzene was detected at Unit 1 with a concentration of 0.25 µg/m^3 in indoor air and a non-detect corresponding sub-slab sample, Unit 2 in the indoor air sample with a concentration of 0.74 µg/m^3 and a non-detect corresponding sub-slab sample, and Unit 3 in the indoor air sample with a concentration of 4.3 µg/m^3

with a non-detect corresponding sub-slab sample. All detections of 1,3,5-Trimethylbenzene detections fall within the no further action decision.

- O-xylene was detected at Unit 1 with a concentration of 0.64 µg/m^3 in indoor air and a non-detect corresponding sub-slab sample, Unit 2 in the indoor air sample with a concentration of 0.39 µg/m^3 and a non-detect corresponding sub-slab sample, and Unit 3 in the indoor air sample with a concentration of 0.73 µg/m^3 with a non-detect corresponding sub-slab sample. All detections of o-xylene detections fall within the no further action decision.

- NYSDOH Decision Matrix E (m,p-xylene, heptane, hexane).

  - M,P-Xylene was detected at Unit 1 with a concentration of 1.3 µg/m^3 in indoor air and the corresponding sub-slab sample concentration was 0.46 J µg/m^3, Unit 2 in the indoor air sample with a concentration of 0.82 µg/m^3 and at the corresponding sub-slab sample concentration was non-detect, and Unit 3 in the indoor air sample with a concentration of 0.83 µg/m^3 with a non-detect corresponding sub-slab sample concentration. All of the m,p-xylene detections fall within no further action decision.

  - Heptane was detected at Unit 1 with a concentration of 1.0 µg/m^3 in indoor air with a non-detect corresponding sub-slab sample concentration, Unit 2 in the indoor air sample with a concentration of 0.56 µg/m^3 with a corresponding sub-slab sample concentration of 0.0.31 J µg/m^3, and Unit 3 in the indoor air sample with a concentration of 1.3 µg/m^3 with a corresponding sub-slab sample concentration of 0.33 µg/m^3. All of the heptane detections fall within no further action decision.

  - Hexane was non-detect at all sample locations.

- NYSDOH Decision Matrix F (Toluene).

  - Toluene was detected at Unit 1 with a concentration of 2.6 µg/m^3 in indoor air and the corresponding sub-slab sample concentration was 0.65 J µg/m^3, Unit 2 in the indoor air sample with a concentration of 1.9 µg/m^3 and at the corresponding sub-slab sample concentration was 0.29 J µg/m^3, and Unit 3 in the indoor air sample with a concentration of 2.5 µg/m^3 with a corresponding sub-slab sample concentration of 0.48 µg/m^3. All of the toluene detections fall within no further action decision.

Site related COCs that were detected but are not included in the NYSDOH SVI decision matrices include chloroethane (0.088 µg/m^3) at Unit 1's indoor air sample.

Analytes with detections above the lowest NYSDOH SVI screening value that triggered identify/monitor/mitigate included carbon tetrachloride (1.3 µg/m^3) at Unit 1 and 1,2,4-trimethylbenzene (12 µg/m^3) at Unit 3 for indoor air. However, neither of these compounds are site-related contaminants of concern (COCs) and were ND in the corresponding sub-slab samples.

There were no chemicals that contained either analyte recorded in the chemical inventories for this sampling event. Both analytes are discussed in greater detail in the following paragraphs.

Carbon tetrachloride was detected in all indoor air samples along with the ambient outdoor sample. The only value that was detected at a level that triggers action (1 $\mu g/m^3$) was the concentration detected at Unit 1's indoor air sample (1.3 $\mu g/m^3$). However, carbon tetrachloride is not a site related COC and was non -detect in the corresponding sub-slab samples. There were no chemicals that contained carbon tetrachloride in the chemical inventories for this sampling event. Carbon tetrachloride has widely been used as a household spot remover, industrial degreasing agent, in dry cleaning, in fire extinguishers, and as a grain fumigant to kill insects. Carbon tetrachloride also used to be used as a refrigerant and propellant. Most of these uses have been discontinued due to the effect that carbon tetrachloride has on the ozone layer. Unit 1 is currently operating as a commercial food service and contains refrigerators and freezers, which depending on the year of production may use carbon tetrachloride as refrigerants. This unit has a working oven, though none of the oven cleaners recorded in the building contain carbon tetrachloride. Besides the food service equipment EA did not observe any other activity that would indicate use of this chemical. Furthermore, since carbon tetrachloride was not found in the sub-slab vapor samples at the 5th Avenue Plaza, it is unlikely that this analyte is connected to site activities and there is no indication of sub-slab vapor intrusion for this analyte. However, it is possible that outdoor air concentrations of carbon tetrachloride is affecting indoor air concentrations with building tenants opening/closing doors and other exterior doors, based on similar concentrations observed between indoor and outdoor air samples.

The other analyte that was detected in concentration that triggers action within the NYSDOH SVI decision matrix is 1,2,4-trimethylbenze. 1,2,4-trimethylbenze is not a site-related COC and was detected in three indoor air samples, though it only triggers any action in the NYSDOH decision matrix within the Unit 3's indoor air sample. 1,2,4-Trimethylbenze is not an ingredient in any of the chemicals that were inventoried as part of this investigation. 1,2,4-Trimethylbenzene is the most commonly used as a fuel additive and/or in paint thinners and lacquers. EA did not observe any equipment or activity in this or any of the businesses sampled that would indicate use of this chemical. None of the sub-slab vapor samples had a detection for 1,2,4-trimehtylbenzene. There is no indication of sub-slab vapor intrusion of 1,2,4-trimethylbenzene.

Table 7 provides the full analytical results and **Table 8** shows analytical results and corresponding actions from the NYSDOH Decision Matrices. **Figure 7** illustrates the sample locations along with notable analytical results.

Sincerely yours,

EA ENGINEERING AND GEOLOGY, P.C.

Kritika Thapa
Project Manager

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Table 1. Historical Monitoring Well Gauging Data

Monitoring Well ID	Well Location	Coordinates		Coordinates		Well TOC Elevation (ft NAVD 1988)	Static Water Level				Static Water Elevation			Well Screen (ft btoc)	Well Depth (ft btoc)	Well Depth (2024) (ft btoc)
		Latitude	Longitude	Northing (NAD 1983)	Easting (NAD 1983)		Static Water Level (2006) (ft btoc)	Static Water Level (2022) (ft btoc)	Static Water Level (2023) (ft btoc)	Static Water Level (2024) (ft btoc)	Static Water Elevation 2022 (ft NAVD 1988)	Static Water Elevation 2023 (ft NAVD 1988)	Static Water Elevation 2024 (ft NAVD 1988)			
MW-1R	On-site	40.76830000	-73.26134700	220051.821	1188852.0610	76.82	--	33.44	34.06	32.21	43.38	42.76	44.61	28-43	42.88	43.2
MW-3R	On-site	40.76902500	-73.26195300	220314.538	1188681.981	75.84	--	32.20	32.86	31.03	43.64	42.98	44.81	28-43	43.1	42.93
MW-5SR	On-site	40.76843100	-73.26176700	220098.566	1188735.324	76.22	--	32.74	33.46	31.56	43.48	42.76	44.66	28-38	38.26	38.09
MW-5DR	On-site	40.76843100	-73.26177500	220098.548	1188733.108	76.17	--	32.71	33.39	31.49	43.46	42.78	44.68	40-45	43.90	44.65
CW-01	Off-site	40.46059862	-73.15440319	220060.5009	1188607.0900	77.48	29.51	--	36.09	34.20	--	41.39	43.28	52-57	57.00	56.18
FN-19	Off-site	40.46054915	-73.15426187	220011.3581	1188716.2488	79.27	31.37	--	37.81	36.05	--	41.46	43.22	44-49	49.14	48.08

Notes:

ft = Foot (feet)

ID = Identification

BTOC = Below Top of Casing

NAD = North American Datum

"--" = Not Available

Data is largely sourced from 1/31/2007 Candlewood Source Area Site Characterization and the 12/07/2022 Groundwater Monitoring and Remedial Action Update Report.

Table 2. Summary of VOCs Detected in In Situ Groundwater Samples (July 2023)

Sample Locations	5AVE-DPT-1				5AVE-DPT-2				5AVE-DPT-3				ABI-DPT-1				ABI-DPT-2				BEL-DPT-1				BEL-DPT-2				CLAR-DPT-1				CLAR-DPT-2				
Sample Coordinates (Easting/Northing)	1188733.981		219985.797		1188793.497		219977.205		1188814.508		219785.477		1189015.639		219769.788		1189128.78		219755.224		1189003.744		219481.515		1189146.256		219489.744		1189020.389		219238.702		1189244.391		219234.836		
Sample ID	5AVE-DPT-1-40		5AVE-DPT-1-50		5AVE-DPT-2-35		5AVE-DPT-2-45		5AVE-DPT-3-40		5AVE-DPT-3-50		ABI-DPT-1-35		ABI-DPT-1-45		ABI-DPT-2-35		ABI-DPT-2-45		BEL-DPT-1-35		BEL-DPT-1-45		BEL-DPT-2-35		BEL-DPT-2-45		CLAR-DPT-1-35		CLAR-DPT-1-45		CLAR-DPT-1-55		CLAR-DPT-2-35		CLAR-DPT-2-45		
Laboratory ID	23C2119-07		23C2119-08		23C2118-12		23C2118-13		23C2118-10		23C2118-11		23C2118-16		23C2118-17		23C2118-19		23C2118-20		23C2119-03		23C2119-04		23C2119-06		23C2119-01		23C2119-02		23C2119-05		23C2118-01		23C2118-02		23C2118-03		23C2118-04		23C2118-07		23C2118-08		23C2118-09		
Parent Sample ID	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		CLAR-DPT-1-55		--		--		--		--		--		
Sample Date	7/13/2023		7/13/2023		7/11/2023		7/11/2023		7/11/2023		7/11/2023		7/12/2023		7/12/2023		7/12/2023		7/12/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/13/2023		7/10/2023		7/10/2023		7/10/2023		7/10/2023		7/11/2023		7/11/2023		7/11/2023		
Sample Interval (ft bgs)	38-42		48-52		33-37		43-47		38-42		48-52		33-37		43-47		33-37		43-47		33-37		43-47		53-57		33-37		43-47		53-57		33-37		43-47		53-57		33-37		43-47		53-57		
Sample Type	Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		Grab		
Analyte	Volatile Organic Compounds via EPA Method 8260D																																													NYSDEC Ambient Water Quality Standards[1]
1,1,1,2-Tetrachloroethane µg/L	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	*5*
1,1,1-Trichloroethane (TCA) µg/L	**55**	J+	< 0.15	U	< 0.15	U	4.0		< 0.15	U	**6.0**		< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	1.5		< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	0.18	J	0.23	J	< 0.15	U	*5*
1,1,2,2-Tetrachloroethane µg/L	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	*5*
1,1,2-Trichloro-1,2,2-Trifluoroethane µg/L	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	*5*
1,1,2-Trichloroethane µg/L	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	*1*
1,1-Dichloroethane µg/L	**13**		< 0.14	U	< 0.14	U	**5.6**		4.5		**15**		**11**		< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	1.4		1.5		< 0.14	U	< 0.14	U	< 0.14	U	**23**		**13**		**13**		< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	*5*
1,1-Dichloroethene µg/L	0.53	J	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	0.45	J	0.27	J	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	0.15	J	0.21	J	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	*5*
1,1-Dichloropropene µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*5*
1,2,3-Trichlorobenzene µg/L	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	< 0.34	UJ	*5*
1,2,3-Trichloropropane µg/L	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	*0.04*
1,2,4-Trichlorobenzene µg/L	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	*5*
1,2,4-Trimethylbenzene µg/L	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	0.25	J	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	*NS*
1,2-Dibromo-3-Chloropropane µg/L	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	< 0.85	UJ	*0.04*
1,2-Dibromoethane (Ethylene Dibromide) µg/L	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	*NS*
1,2-Dichlorobenzene µg/L	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	*3*
1,2-Dichloroethane µg/L	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U	*0.6*
1,2-Dichloropropane µg/L	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	*1*
1,3,5-Trichlorobenzene µg/L	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	UJ	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	*NS*
1,3,5-Trimethylbenzene (Mesitylene) µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
1,3-Dichlorobenzene µg/L	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	*3*
1,3-Dichloropropane µg/L	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	*5*
1,4-Dichlorobenzene µg/L	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	0.26	J	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	*3*
1,4-Dioxane (P-Dioxane) µg/L	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	< 18	R	*0.35*
2,2-Dichloropropane µg/L	< 0.35	U	< 0.35	U	< 0.35	U	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	U	< 0.35	U	< 0.35	U	< 0.35	U	< 0.35	U	< 0.35	U	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	< 0.35	UJ	*NS*
2-Chlorotoluene µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
2-Hexanone µg/L	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	< 1.2	U	*50*
2-Methoxy-2-Methylbutane µg/L	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	*60*
4-Chlorotoluene µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
Acetone µg/L	4.0	J	< 2	U	2.8	J	3.7	J	6.2	J	3.0	J	4.4	J	3.2	J	< 2	U	3.4	J	< 2	U	3.8	J	4.1	J	3.5	J	2.7	J	< 2	U	< 2	U	3.3	J	2.8	J	4.4	J	3.8	J	3.0	J	< 2	U	< 2	U	*50*
Acrylonitrile µg/L	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	*5*
Benzene µg/L	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	0.69	J	< 0.18	U	< 0.18	U	0.32	J	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	0.25	J	< 0.18	U	**1.4**		**1.1**		< 0.18	U	< 0.18	U	0.55	J	*1*
Bromobenzene µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
Bromochloromethane µg/L	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	*5*
Bromodichloromethane µg/L	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	*50*
Bromoform µg/L	< 0.41	UJ	< 0.41	UJ	< 0.41	UJ	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	UJ	< 0.41	UJ	< 0.41	UJ	< 0.41	UJ	< 0.41	UJ	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.41	U	*50*
Bromomethane µg/L	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	*5*
Carbon Disulfide µg/L	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	1.9	J	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	< 1.6	U	*60*
Carbon Tetrachloride µg/L	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	*5*
Chlorobenzene µg/L	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U	*5*
Chloroethane µg/L	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	0.69	J	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	*5*
Chloroform µg/L	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	*7*
Chloromethane µg/L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	*NS*
Cis -1,2-Dichloroethylene µg/L	0.26	J	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	0.46	J	0.31	J	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	0.24	J	0.87	J	0.92	J	< 0.14	U	< 0.14	U	< 0.14	U	*5*
Cis -1,3-Dichloropropene µg/L	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	*0.4*
Cymene µg/L	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	0.22	J	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	*NS*
Dibromochloromethane µg/L	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	*50*
Dibromomethane µg/L	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	*5*
Dichlorodifluoromethane µg/L	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	*5*
Diethyl Ether (Ethyl Ether) µg/L	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U	*NS*
Ethyl Tert-Butyl Ether µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	0.90		< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
Ethylbenzene µg/L	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	**7.2**		0.53	J	0.41	J	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U	*5*
Hexachlorobutadiene µg/L	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	*0.5*
Isopropyl Ether µg/L	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	*NS*
Isopropylbenzene (Cumene) µg/L	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	< 0.15	U	*5*
m,p-Xylene µg/L	< 0.49	UJ	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	0.86	U	< 0.49	U	< 0.49	U	< 0.49	UJ	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	< 0.49	U	*NS*
Methyl Acetate µg/L	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	*NS*
Methyl Ethyl Ketone (2-Butanone) µg/L	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	< 1.7	U	*50*
Methyl Isobutyl Ketone (4-Methyl-2-Pentanon µg/L	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	< 1.3	U	*NS*
Methylcyclohexane µg/L	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	*NS*
Methylene Chloride µg/L	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U	< 0.

Table 3. Summary of PFAS Detected in In Situ Groundwater Samples (July 2023)

		5AVE-DPT-1						5AVE-DPT-2				5AVE-DPT-3				
	Sample ID	5AVE-DPT-1-40		5AVE-DPT-1-50		DPT-DUP-2		5AVE-DPT-2-35		5AVE-DPT-2-45		5AVE-DPT-3-40		5AVE-DPT-3-50		
	Laboratory ID	23G2141-07		23G2141-08		23G2141-11		23G2141-03		23G2141-04		23G2141-01		23G2141-02		
	Parent Sample ID	--		--		5AVE-DPT-1-50		--		--		--		--		
	Sample Date	7/13/2023		7/13/2023		7/13/2023		7/11/2023		7/11/2023		7/11/2023		7/11/2023		NYSDEC Ambient Water Quality Standards[1]
	Sample Interval (ft bgs)	38-42		48-52		48-52		33-37		43-47		38-42		48-52		
Analyte	Sample Type	Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		
PFAS via EPA Method 1633																
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/L	< 10	U	< 19	U	< 19	U	< 19	U	< 48	U	< 19	U	< 48	U	*NS*
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	ng/L	< 12	U	< 22	U	< 22	U	< 22	U	< 54	U	< 22	U	< 54	U	*NS*
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	ng/L	< 7.4	U	< 14	U	< 14	U	< 14	U	< 35	U	< 14	U	< 35	U	*NS*
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	ng/L	< 10	U	< 20	U	< 20	U	< 20	U	< 49	U	< 20	U	< 49	U	*NS*
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/L	< 26	U	< 49	U	< 49	U	< 49	U	< 120	U	< 49	U	< 120	U	*NS*
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/L	< 28	U	< 53	U	< 53	U	< 53	U	< 130	U	< 53	U	< 130	U	*NS*
2H,2H,3H,3H-Perfluorooctanoic acid	ng/L	< 110	U	< 200	U	< 200	U	< 200	U	< 510	U	< 200	U	< 510	U	*NS*
3-Perfluoroheptyl propanoic acid	ng/L	< 93	U	< 180	U	< 180	U	< 180	U	< 440	U	< 180	U	< 440	U	*NS*
3-Perfluoropropyl propanoic acid	ng/L	< 19	U	< 36	U	< 36	U	< 36	U	< 90	U	< 36	U	< 90	U	*NS*
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	< 7.3	U	< 14	U	< 14	U	< 14	U	< 34	U	< 14	U	< 34	U	*NS*
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/L	< 9	U	< 17	U	< 17	U	< 17	U	< 43	U	< 17	U	< 43	U	*NS*
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	< 11	J	< 21	J	< 21	J	< 21	U	< 52	U	< 21	U	< 52	U	*NS*
N-ethyl perfluoro-1-octanesulfonamide	ng/L	< 3.3	U	< 6.2	U	< 6.2	U	< 6.2	U	< 15	U	< 6.2	U	< 15	U	*NS*
N-ethyl perfluorooctanesulfonamidoacetic acid	ng/L	10	U	6.7	U	7.4	U	< 4.4	U	< 11	U	< 4.4	U	< 11	U	*NS*
N-methyl perfluoro-1-octanesulfonamide	ng/L	< 4.4	U	< 8.3	U	< 8.3	U	< 8.3	U	< 21	U	< 8.3	U	< 21	U	*NS*
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/L	< 4.7	U	< 8.8	U	< 8.8	U	< 8.8	U	< 22	U	< 8.8	U	< 22	U	*NS*
Nonafluoro-3,6-dioxaheptanoic acid	ng/L	< 9.2	U	< 17	U	< 17	U	< 17	U	< 43	U	< 17	U	< 43	U	*NS*
Perfluoro(2-ethoxyethane)sulfonic acid	ng/L	< 5.2	U	< 9.8	U	< 9.8	U	< 9.8	U	< 24	U	< 9.8	U	< 24	U	*NS*
Perfluoro-3-methoxypropanoic acid	ng/L	< 5.3	U	< 10	U	< 10	U	< 10	U	< 25	U	< 10	U	< 25	U	*NS*
Perfluoro-4-methoxybutanoic acid	ng/L	< 4.3	U	< 8	U	< 8	U	< 8	U	< 20	U	< 8	U	< 20	U	*NS*
Perfluorobutanesulfonic acid (PFBS)	ng/L	3.5	J	15	J	13	J	< 5.2	U	< 13	U	< 5.2	U	< 13	U	*NS*
Perfluorobutanoic Acid	ng/L	< 15	U	< 29	U	< 29	U	< 29	U	< 73	U	< 29	U	< 73	U	*NS*
Perfluorodecanesulfonic acid (PFDS)	ng/L	< 3.3	U	< 6.3	U	< 6.3	U	< 6.3	U	< 16	U	< 6.3	U	< 16	U	*NS*
Perfluorodecanoic acid (PFDA)	ng/L	2.4	J	< 3.7	U	< 3.7	U	< 3.7	U	< 9.2	U	< 3.7	U	< 9.2	U	*NS*
Perfluorododecanesulfonic acid (PFDOS)	ng/L	< 2.8	U	< 5.3	U	< 5.3	U	< 5.3	U	< 13	U	< 5.3	U	< 13	U	*NS*
Perfluorododecanoic acid (PFDoA)	ng/L	< 2.7	U	< 5.2	U	< 5.2	U	< 5.2	U	< 13	U	< 5.2	U	< 13	U	*NS*
Perfluoroheptanesulfonic acid (PFHpS)	ng/L	< 3.2	U	< 6.1	U	< 6.1	U	< 6.1	U	< 15	U	< 6.1	U	< 15	U	*NS*
Perfluoroheptanoic acid (PFHpA)	ng/L	7.7	J	6.2	J	7	J	< 5.1	U	< 13	U	< 5.1	U	< 13	U	*NS*
Perfluorohexanesulfonic acid (PFHxS)	ng/L	3.2	J	< 4.1	U	< 4.1	U	< 4.1	U	< 10	U	4.3	J	< 10	U	*NS*
Perfluorohexanoic acid (PFHxA)	ng/L	13		13	J	11	J	< 4.3	U	< 11	U	< 4.3	U	12	J	*NS*
Perfluorononanesulfonic Acid (PFNS)	ng/L	< 3.1	U	< 5.9	U	< 5.9	U	< 5.9	U	< 15	U	< 5.9	U	< 15	U	*NS*
Perfluorononanoic acid (PFNA)	ng/L	< 2	U	< 3.8	U	< 3.8	U	< 3.8	U	< 9.6	U	< 3.8	U	< 9.6	U	*NS*
Perfluorooctane Sulfonamide (FOSA)	ng/L	< 3.3	U	< 6.1	U	< 6.1	U	< 6.1	U	< 15	U	< 6.1	U	< 15	U	*NS*
Perfluorooctanesulfonic acid (PFOS)	ng/L	**53**		**17**	J	**20**	J	**19**	J	**17**	J	**18**	J	**23**	J	*2.7*
Perfluorooctanoic acid (PFOA)	ng/L	**22**		**20**	J	**18**	J	**5.1**	J	**15**	J	**10**	J	**31**	J	*6.7*
Perfluoropentanesulfonic Acid (PFPeS)	ng/L	< 2.5	U	< 4.8	U	< 4.8	U	< 4.8	U	< 12	U	< 4.8	U	< 12	U	*NS*
Perfluoropentanoic Acid (PFPeA)	ng/L	14	J	16	J	18	J	7.7	J	< 17	U	< 6.9	U	20	J	*NS*
Perfluorotetradecanoic acid (PFTA)	ng/L	< 2.7	U	< 5	U	< 5	U	< 5	U	< 13	U	< 5	U	< 13	U	*NS*
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	ng/L	< 2.9	U	< 5.4	U	< 5.4	U	< 5.4	U	< 14	U	< 5.4	U	< 14	U	*NS*
Perfluoroundecanoic Acid (PFUnA)	ng/L	< 2.9	U	< 5.5	U	< 5.5	U	< 5.5	U	< 14	U	< 5.5	U	< 14	U	*NS*

Notes:

[1]New York Code of Rules and Regulations Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

EPA = U.S Environmental Protection Agency

ft bgs = Feet below ground surface

ID = Identification

J = Result is estimated concentration.

ng/L = Nanogram(s) per liter

NS = No Screening Criteria

NYSDEC = New York State Department of Environmental Conservation

PFAS = Per- and polyfluoroalkyl substances

U = Analyte was analyzed for, but not detected below the laboratory detection limit.

Bold and shaded values indicate that the analyte was detected greater than the NYSDEC Ambient Water Quality Standards.

Table 4. Summary of 1,4-Dioxane Detected in Groundwater Samples (July 2023)

Analyte	Sample Locations	5AVE-DPT-1					5AVE-DPT-2				5AVE-DPT-3				NYSDEC Ambient Water Quality Standards[1]
	Sample ID	5AVE-DPT-1-40		5AVE-DPT-1-50		DPT-DUP-2	5AVE-DPT-2-35		5AVE-DPT-2-45		5AVE-DPT-3-40		5AVE-DPT-3-50		
	Laboratory ID	23G2098-07		23G2098-09		23G2098-08	23G2098-02		23G2098-01		23G2098-04		23G2098-03		
	Parent Sample ID	--		--		5AVE-DPT-1-50	--		--		--		--		
	Sample Date	7/13/2023		7/13/2023		7/13/2023	7/11/2023		7/11/2023		7/11/2023		7/11/2023		
	Sample Interval (ft bgs)	38-42		48-52		48-52	33-37		43-47		38-42		48-52		
	Sample Type	Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)	Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		
1,4-Dioxane via EPA Method 8270 SIM															
1,4-Dioxane	µg/L	< 0.033	UJ	< 0.033	UJ	< 0.034	U	< 0.032	U	< 0.032	U	< 0.033	U	0.13	J	*1*

Notes:

[1]New York Code of Rules and Regulations Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

µg/L = Microgram(s) per liter

EPA = U.S Environmental Protection Agency

ft bgs = Feet below ground surface

ID = Identification

J = Result is estimated concentration.

NYSDEC = New York State Department of Environmental Conservation

U = Analyte was analyzed for, but not detected below the laboratory detection limit.

Bold and shaded values indicate that the analyte was detected greater than the NYSDEC Ambient Water Quality Standards.

Table 5. Summary of VOCs Detected in Groundwater Monitoring Well Samples (July 2023)

Analyte	Sample ID	CW-01-130723		MW-DUP-1-13072023		FN-19-13072023		NYSDEC Ambient Water Quality Standards[1]
	Laboratory ID	23G2119-12		23G2119-13		23G2119-14		
	Parent Sample ID	--		CW-01		--		
	Sample Date	7/13/2023		7/13/2023		7/13/2023		
	Sample Interval (ft bgs)	52-57		52-57		44-49		
	Sample Type	Groundwater (Grab)		Groundwater (Grab)		Groundwater (Grab)		
Volatile Organic Compounds via EPA Method 8260D								
1,1,1,2-Tetrachloroethane	µg/L	< 0.16	U	< 0.16	U	< 0.16	U	*5*
1,1,1-Trichloroethane (TCA)	µg/L	4.9		4.7		**17**		*5*
1,1,2,2-Tetrachloroethane	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*5*
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	< 0.21	U	< 0.21	U	< 0.21	U	*5*
1,1,2-Trichloroethane	µg/L	< 0.19	U	< 0.19	U	< 0.19	U	*1*
1,1-Dichloroethane	µg/L	< 0.14	U	< 0.14	U	2.8		*5*
1,1-Dichloroethene	µg/L	< 0.14	U	< 0.14	U	0.21	J	*5*
1,1-Dichloropropene	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*5*
1,2,3-Trichlorobenzene	µg/L	< 0.34	U	< 0.34	U	< 0.34	U	*5*
1,2,3-Trichloropropane	µg/L	< 0.28	U	< 0.28	U	< 0.28	U	*0.04*
1,2,4-Trichlorobenzene	µg/L	< 0.3	UJ	< 0.3	UJ	< 0.3	UJ	*5*
1,2,4-Trimethylbenzene	µg/L	< 0.2	U	< 0.2	U	< 0.2	U	*NS*
1,2-Dibromo-3-Chloropropane	µg/L	< 0.85	U	< 0.85	U	< 0.85	U	*0.04*
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	< 0.16	U	< 0.16	U	< 0.16	U	*NS*
1,2-Dichlorobenzene	µg/L	< 0.13	U	< 0.13	U	< 0.13	U	*3*
1,2-Dichloroethane	µg/L	< 0.3	U	< 0.3	U	< 0.3	U	*0.6*
1,2-Dichloropropane	µg/L	< 0.19	U	< 0.19	U	< 0.19	U	*1*
1,3,5-Trichlorobenzene	µg/L	< 0.21	U	< 0.21	U	< 0.21	U	*NS*
1,3,5-Trimethylbenzene (Mesitylene)	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
1,3-Dichlorobenzene	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*3*
1,3-Dichloropropane	µg/L	< 0.12	U	< 0.12	U	< 0.12	U	*5*
1,4-Dichlorobenzene	µg/L	< 0.13	U	< 0.13	U	< 0.13	U	*3*
1,4-Dioxane (P-Dioxane)	µg/L	< 18	R	< 18	R	< 18	R	*0.35*
2,2-Dichloropropane	µg/L	< 0.35	U	< 0.35	U	< 0.35	U	*NS*
2-Chlorotoluene	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
2-Hexanone	µg/L	< 1.2	U	< 1.2	U	< 1.2	U	*50*
2-Methoxy-2-Methylbutane	µg/L	< 0.13	U	< 0.13	U	< 0.13	U	*NS*
4-Chlorotoluene	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
Acetone	µg/L	< 2	U	< 2	U	< 2	U	*50*
Acrylonitrile	µg/L	< 0.47	U	< 0.47	U	< 0.47	U	*5*
Benzene	µg/L	< 0.18	U	< 0.18	U	< 0.18	U	*1*
Bromobenzene	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
Bromochloromethane	µg/L	< 0.28	U	< 0.28	U	< 0.28	U	*5*
Bromodichloromethane	µg/L	< 0.16	U	< 0.16	U	< 0.16	U	*50*
Bromoform	µg/L	< 0.41	UJ	< 0.41	UJ	< 0.41	UJ	*50*
Bromomethane	µg/L	< 1.3	U	< 1.3	U	< 1.3	U	*5*
Carbon Disulfide	µg/L	< 1.6	U	< 1.6	U	< 1.6	U	*60*
Carbon Tetrachloride	µg/L	< 0.16	UJ	< 0.16	UJ	< 0.16	UJ	*5*
Chlorobenzene	µg/L	< 0.12	U	< 0.12	U	< 0.12	U	*5*
Chloroethane	µg/L	< 0.34	U	< 0.34	U	< 0.34	U	*5*
Chloroform	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*7*
Chloromethane	µg/L	< 0.5	U	< 0.5	U	< 0.5	U	*NS*
Cis -1,2-Dichloroethylene	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*5*
Cis -1,3-Dichloropropene	µg/L	< 0.16	U	< 0.16	U	< 0.16	U	*0.4*
Cymene	µg/L	< 0.13	U	< 0.13	U	< 0.13	U	*NS*
Dibromochloromethane	µg/L	< 0.2	U	< 0.2	U	< 0.2	U	*50*
Dibromomethane	µg/L	< 0.32	U	< 0.32	U	< 0.32	U	*5*
Dichlorodifluoromethane	µg/L	< 0.16	U	< 0.16	U	< 0.16	U	*5*
Diethyl Ether (Ethyl Ether)	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*NS*
Ethyl Tert-Butyl Ether	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*NS*
Ethylbenzene	µg/L	< 0.22	U	< 0.22	U	< 0.22	U	*5*
Hexachlorobutadiene	µg/L	< 0.47	U	< 0.47	U	< 0.47	U	*0.5*
Isopropyl Ether	µg/L	< 0.2	U	< 0.2	U	< 0.2	U	*NS*
Isopropylbenzene (Cumene)	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*5*
m,p-Xylene	µg/L	< 0.49	U	< 0.49	U	< 0.49	UJ	*NS*
Methyl Acetate	µg/L	< 0.61	U	< 0.61	U	< 0.61	U	*NS*
Methyl Ethyl Ketone (2-Butanone)	µg/L	< 1.7	U	< 1.7	U	< 1.7	U	*50*
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/L	< 1.3	U	< 1.3	U	< 1.3	U	*NS*
Methylcyclohexane	µg/L	< 0.16	U	< 0.16	U	< 0.16	U	*NS*
Methylene Chloride	µg/L	< 0.18	U	< 0.18	U	< 0.18	U	*5*
Naphthalene	µg/L	< 0.38	UJ	< 0.38	UJ	< 0.38	UJ	*10*
N-Butylbenzene	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*5*
N-Propylbenzene	µg/L	< 0.12	U	< 0.12	U	< 0.12	U	*NS*
O-Xylene (1,2-Dimethylbenzene)	µg/L	< 0.24	U	< 0.24	U	< 0.24	U	*5*
Sec-Butylbenzene	µg/L	< 0.13	U	< 0.13	U	< 0.13	U	*5*
Styrene	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*5*
T-Butylbenzene	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*5*
Tert-Butyl Alcohol	µg/L	< 4.3	UJ	< 4.3	UJ	< 4.3	UJ	*NS*
Tert-Butyl Methyl Ether	µg/L	< 0.17	U	< 0.17	U	< 0.17	U	*10*
Tetrachloroethylene (PCE)	µg/L	< 0.17	U	< 0.17	U	< 0.17	U	*5*
Tetrahydrofuran	µg/L	< 0.49	U	< 0.49	U	< 0.49	U	*NS*
Toluene	µg/L	< 0.22	U	< 0.22	U	< 0.22	U	*5*
Trans -1,2-Dichloroethene	µg/L	< 0.17	U	< 0.17	U	< 0.17	U	*5*
Trans -1,3-Dichloropropene	µg/L	< 0.14	U	< 0.14	U	< 0.14	U	*0.4*
Trans -1,4-Dichloro-2-Butene	µg/L	< 1.5	UJ	< 1.5	UJ	< 1.5	UJ	*5*
Trichloroethylene (TCE)	µg/L	0.34	J	0.23	J	1.1		*5*
Trichlorofluoromethane	µg/L	< 0.15	U	< 0.15	U	< 0.15	U	*5*
Vinyl Chloride	µg/L	< 0.24	U	< 0.24	U	< 0.24	U	*2*

Notes:

[1]New York Code of Rules and Regulations Part 703.5 Class GA Groundwater Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended.

µg/L = Microgram(s) per liter

EPA = U.S Environmental Protection Agency

ft bgs = Feet below ground surface

ID = Identification

J = Result is estimated concentration.

NYSDEC = New York State Department of Environmental Conservation

U = Analyte was analyzed for, but not detected below the laboratory detection limit.

VOC = Volatile organic compound

Bold and shaded values indicate that the analyte was detected greater than the NYSDEC Ambient Water Quality Standards.

Table 6. Summary of VOCs Detected in Soil Vapor Samples (July 2023)

Analyte	Sample ID	5AVE-SV-1		5AVE-SV-2		ABI-SV-1		SV-DUP-1	
	(Easting/Northing)	1188794.598	219979.626	1188784.163	219875.14	1189014.827	219767.506	1189014.827	219767.506
	Laboratory ID	23G2057-01		23G2057-02		23G2057-03		23G2057-04	
	Parent Sample ID	--		--		--		ABI-SV-1	
	Sample Date	7/13/2023		7/13/2023		7/13/2023		7/13/2023	
	Sample Type	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
Volatile Organic Compounds via Method TO-15									
1,1,1-Trichloroethane (TCA)	µg/m^3	0.25	J	5.4		5.8		5.1	
1,1,2,2-Tetrachloroethane	µg/m^3	< 0.17	U	< 0.17	U	< 0.17	U	< 0.17	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m^3	< 0.17	U	0.41	J	0.72	J	0.71	J
1,1,2-Trichloroethane	µg/m^3	< 0.14	U	< 0.14	U	< 0.14	U	< 0.14	U
1,1-Dichloroethane	µg/m^3	12		< 0.13	U	< 0.13	U	< 0.13	U
1,1-Dichloroethene	µg/m^3	< 0.11	U	< 0.11	U	< 0.11	U	< 0.11	U
1,2,4-Trichlorobenzene	µg/m^3	< 0.4	U	< 0.4	U	< 0.4	U	< 0.4	U
1,2,4-Trimethylbenzene	µg/m^3	11		7.8		28		29	
1,2-Dibromoethane (Ethylene Dibromide)	µg/m^3	< 0.26	U	< 0.26	U	< 0.26	U	< 0.26	U
1,2-Dichlorobenzene	µg/m^3	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U
1,2-Dichloroethane	µg/m^3	0.89		< 0.15	U	< 0.15	U	< 0.15	U
1,2-Dichloropropane	µg/m^3	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U
1,2-Dichlorotetrafluoroethane	µg/m^3	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U
1,3,5-Trimethylbenzene (Mesitylene)	µg/m^3	3.1		2.5		6.5		7.3	
1,3-Butadiene	µg/m^3	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
1,3-Dichlorobenzene	µg/m^3	16		17		7.6		6.6	
1,4-Dichlorobenzene	µg/m^3	< 0.22	U	< 0.22	U	< 0.22	U	< 0.22	U
1,4-Dioxane (P-Dioxane)	µg/m^3	< 1.8	U	6.3		< 1.8	U	< 1.8	U
2-Hexanone	µg/m^3	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U
4-Ethyltoluene	µg/m^3	2		1.7		4.2		4.1	
Acetone	µg/m^3	< 2.2	U	150		37		40	
Benzene	µg/m^3	89		3.9		1.5		1.3	
Benzyl Chloride	µg/m^3	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U
Bromodichloromethane	µg/m^3	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U
Bromoform	µg/m^3	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U
Bromomethane	µg/m^3	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U
Carbon Disulfide	µg/m^3	4.6		16		11		9.3	
Carbon Tetrachloride	µg/m^3	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U
Chlorobenzene	µg/m^3	2.6		1.2		0.17	J	0.17	J
Chloroethane	µg/m^3	27		< 0.17	U	< 0.17	U	< 0.17	U
Chloroform	µg/m^3	< 0.13	U	3.1		1.2		1	
Chloromethane	µg/m^3	160		< 0.084	U	0.45		0.61	
Cis -1,2-Dichloroethylene	µg/m^3	4.7		0.28	J	< 0.12	U	< 0.12	U
Cis -1,3-Dichloropropene	µg/m^3	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U
Cyclohexane	µg/m^3	88		1.5		0.48		0.4	
Dibromochloromethane	µg/m^3	< 0.23	U	< 0.23	U	< 0.23	U	< 0.23	U
Dichlorodifluoromethane	µg/m^3	5.6	J	370	J	3.6	J	3.6	J
Ethanol	µg/m^3	81	J	68	J	61	J	59	J
Ethyl Acetate	µg/m^3	< 1	U	< 1	U	2	J	3.2	J
Ethylbenzene	µg/m^3	9.7		11		8.1		7.1	
Hexachlorobutadiene	µg/m^3	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U
Isopropanol	µg/m^3	< 3.1	U	< 3.1	U	< 3.1	U	< 3.1	U
m,p-Xylene	µg/m^3	41	U	46		42	U	40	J
Methyl Ethyl Ketone (2-Butanone)	µg/m^3	< 3.3	U	18		< 3.3	U	3.8	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m^3	< 0.22	U	3.5	U	< 0.22	U	< 0.22	U
Methylene Chloride	µg/m^3	< 0.93		< 0.93		< 0.93		< 0.93	
Naphthalene	µg/m^3	2.7	J	2.1	J	7.3	J	9.4	J
N-Heptane	µg/m^3	92		4.8		1.7		1.6	
N-Hexane	µg/m^3	310		5	J	< 4.7	U	< 4.7	U
O-Xylene (1,2-Dimethylbenzene)	µg/m^3	15		16		17		18	
Propylene	µg/m^3	< 1.9	U	< 1.9	U	< 1.9	U	< 1.9	U
Styrene	µg/m^3	2		2.2		2.6		2.2	
Tert-Butyl Methyl Ether	µg/m^3	< 0.18	U	< 0.18	U	< 0.18	U	< 0.18	U
Tetrachloroethylene (PCE)	µg/m^3	83		140		100		84	
Tetrahydrofuran	µg/m^3	1.7	J	2.9	J	0.81	J	0.88	J
Toluene	µg/m^3	25		100		95		80	
Trans -1,2-Dichloroethene	µg/m^3	0.71		< 0.13	U	< 0.13	U	< 0.13	U
Trans -1,3-Dichloropropene	µg/m^3	< 0.23	U	< 0.23	U	< 0.23	U	< 0.23	U
Trichloroethylene (TCE)	µg/m^3	1.9		0.57		0.25	J	< 0.22	U
Trichlorofluoromethane	µg/m^3	< 0.23	U	7	J	2.1	J	2.1	J
Vinyl Acetate	µg/m^3	< 1.3	U	< 1.3	U	2.5	J	4.7	J
Vinyl Chloride	µg/m^3	< 0.12	U	< 0.12	U	< 0.12	U	< 0.12	U

Notes:

µg/m3 = Microgram(s) per cubic meter

ID = Identification

VOC = Volatile organic compound

J = Result is estimated concentration.

U = Analyte was analyzed for, but not detected below the laboratory detection limit.

Table 7. Summary of VOCs Detected in Soil Vapor Intrusion Samples at 5th Avenue Plaza (February 2024)

Location ID		5AVE-IA-01	5AVE-SSV-01	5AVE-IA-02	5AVE-IA-02	5AVE-SSV-02	5AVE-SSV-02	5AVE-IA-03	5AVE-SSV-03	5AVE-OA-01
Sample Name		5AVE-IA-1-28022024	5AVE-SSV-1-28022024	5AVE-IA-2-28022024	IA-DUP-28022024	5AVE-SSV-2-28022024	SSV-DUP-28022024	5AVE-IA-3-28022024	5AVE-SSV-3-28022024	5AVE-OA-1-28022024
Parent Sample ID					5AVE-IA-2-28022024		5AVE-SSV-2-28022024			
Sample Matrix		Indoor Air	Sub-Slab Vapor	Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Outdoor Air
Sample Date		2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOCs (TO-15)										
1,1,1-Trichloroethane (TCA)	µg/m³	0.17 J	72	< 0.059 U	< 0.059 U	1.2	1.4	< 0.059 U	5.8	< 0.059 U
1,1,2,2-Tetrachloroethane	µg/m³	< 0.059 U	< 0.17 U	< 0.059 U	< 0.059 U	< 0.17 U	< 0.17 U	< 0.059 U	< 0.17 U	< 0.059 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m³	1.1	0.48 J	0.55 J	0.53 J	0.57 J	0.77 J	0.86 J	0.74 J	0.63 J
1,1,2-Trichloroethane	µg/m³	< 0.066 U	< 0.19 U	< 0.066 U	< 0.066 U	< 0.19 U	< 0.19 U	< 0.066 U	< 0.19 U	< 0.066 U
1,1-Dichloroethane	µg/m³	< 0.069 U	< 0.2 U	< 0.069 U	< 0.069 U	< 0.2 U	< 0.2 U	< 0.069 U	< 0.2 U	< 0.069 U
1,1-Dichloroethene	µg/m³	< 0.097 U	< 0.28 U	< 0.097 U	< 0.097 U	< 0.28 U	< 0.28 U	< 0.097 U	< 0.28 U	< 0.097 U
1,2,4-Trichlorobenzene	µg/m³	< 0.14 U	< 0.41 U	< 0.14 U	< 0.14 U	< 0.41 U	< 0.41 U	< 0.14 U	< 0.41 U	< 0.14 U
1,2,4-Trimethylbenzene	µg/m³	0.89	< 0.29 U	2.9	3.2	< 0.29 U	< 0.29 U	12	< 0.29 U	< 0.1 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/m³	< 0.17 U	< 0.48 U	< 0.17 U	< 0.17 U	< 0.48 U	< 0.48 U	< 0.17 U	< 0.48 U	< 0.17 U
1,2-Dichlorobenzene	µg/m³	< 0.073 U	< 0.21 U	< 0.073 U	< 0.073 U	< 0.21 U	< 0.21 U	< 0.073 U	< 0.21 U	< 0.073 U
1,2-Dichloroethane	µg/m³	0.056 J	< 0.15 U	0.33	0.36	< 0.15 U	< 0.15 U	0.29 J	< 0.15 U	0.10 J
1,2-Dichloropropane	µg/m³	< 0.12 U	< 0.34 U	< 0.12 U	< 0.12 U	< 0.34 U	< 0.34 U	< 0.12 U	< 0.34 U	< 0.12 U
1,2-Dichlorotetrafluoroethane	µg/m³	0.12 J	< 0.28 U	0.10 J	0.12 J	< 0.28 U	< 0.28 U	2.9	< 0.28 U	0.13 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m³	0.25	< 0.38 U	0.74	0.89	< 0.38 U	< 0.38 U	4.3	< 0.38 U	< 0.13 U
1,3-Butadiene	µg/m³	< 0.064 U	< 0.19 U	< 0.065 U	< 0.064 U	< 0.19 U	< 0.19 U	< 0.064 U	< 0.19 U	< 0.065 U
1,3-Dichlorobenzene	µg/m³	< 0.078 U	< 0.22 U	< 0.078 U	< 0.078 U	< 0.22 U	< 0.22 U	< 0.078 U	< 0.22 U	< 0.078 U
1,4-Dichlorobenzene	µg/m³	0.59	< 0.29 U	0.5	0.45	< 0.29 U	< 0.29 U	14	0.32 J	< 0.1 U
1,4-Dioxane (P-Dioxane)	µg/m³	< 0.62 U	< 1.8 U	< 0.62 U	< 0.62 U	< 1.8 U	< 1.8 U	< 0.62 U	< 1.8 U	< 0.62 U
2-Hexanone	µg/m³	0.5	< 0.18 U	0.089 J	< 0.062 U	< 0.18 U	< 0.18 U	0.43	0.41	< 0.062 U
4-Ethyltoluene	µg/m³	0.13 J	< 0.21 U	0.35	0.41	< 0.21 U	< 0.21 U	1.6	< 0.21 U	< 0.075 U
Acetone	µg/m³	24	8.6 J	44	49	24	20	58	31	11
Benzene	µg/m³	1.4	0.12 J	0.5	0.4	0.17 J	0.17 J	0.6	0.29 J	0.21
Benzyl Chloride	µg/m³	< 0.097 U	< 0.28 U	< 0.097 U	< 0.097 U	< 0.28 U	< 0.28 U	< 0.097 U	< 0.28 U	< 0.097 U
Bromodichloromethane	µg/m³	< 0.096 U	< 0.27 U	< 0.096 U	< 0.096 U	< 0.27 U	< 0.27 U	< 0.096 U	< 0.27 U	< 0.096 U
Bromoform	µg/m³	< 0.13 U	< 0.37 U	< 0.13 U	< 0.13 U	< 0.37 U	< 0.37 U	< 0.13 U	< 0.37 U	< 0.13 U
Bromomethane	µg/m³	< 0.11 U	< 0.33 U	< 0.12 U	0.12 J	< 0.33 U	< 0.33 U	< 0.11 U	< 0.33 U	< 0.12 U
Carbon Disulfide	µg/m³	< 0.21 U	< 0.6 U	< 0.21 U	< 0.21 U	< 0.6 U	< 0.6 U	< 0.21 U	< 0.6 U	< 0.21 U
Carbon Tetrachloride	µg/m³	1.3	< 0.5 U	0.5	0.44	< 0.5 U	< 0.5 U	0.44	< 0.5 U	0.52
Chlorobenzene	µg/m³	< 0.053 U	< 0.15 U	< 0.053 U	< 0.053 U	< 0.15 U	< 0.15 U	< 0.053 U	< 0.15 U	< 0.053 U
Chloroethane	µg/m³	0.088 J	< 0.24 U	< 0.084 U	< 0.084 U	< 0.24 U	< 0.24 U	< 0.084 U	< 0.24 U	< 0.084 U
Chloroform	µg/m³	1.4	6.6	0.19	0.19	30	34	0.16 J	3.8	0.25
Chloromethane (Methyl Chloride)	µg/m³	1.4	< 0.28 U	1.3	1.3	< 0.28 U	< 0.28 U	1.6	< 0.28 U	1.2
Cis-1,2-Dichloroethylene	µg/m³	< 0.067 U	< 0.19 U	< 0.067 U	< 0.067 U	< 0.19 U	< 0.19 U	< 0.067 U	< 0.19 U	< 0.067 U
Cis-1,3-Dichloropropene	µg/m³	< 0.08 U	< 0.23 U	< 0.08 U	< 0.08 U	< 0.23 U	< 0.23 U	< 0.08 U	< 0.23 U	< 0.08 U
Cyclohexane	µg/m³	0.28	< 0.27 U	0.17	0.22	< 0.27 U	< 0.27 U	0.24	< 0.27 U	0.11 J
Dibromochloromethane	µg/m³	< 0.2 U	< 0.57 U	< 0.2 U	< 0.2 U	< 0.57 U	< 0.57 U	< 0.2 U	< 0.57 U	< 0.2 U
Dichlorodifluoromethane	µg/m³	7.3	1.6	2.3	2.3	1.9	1.2 J	3.8	2.1	3.6
Ethanol	µg/m³	1600 J	49	790 J	830 J	68 J	20 J	2800 J	210 J	88 J
Ethyl Acetate	µg/m³	4.3	< 1.4 U	5.4 J	2.4 J	< 1.4 U	< 1.4 U	3.3	< 1.4 U	2.4
Ethylbenzene	µg/m³	0.5	< 0.15 U	0.29	0.25	< 0.15 U	< 0.15 U	0.36	< 0.15 U	< 0.052 U
Hexachlorobutadiene	µg/m³	< 0.21 U	< 0.61 U	< 0.21 U	< 0.21 U	< 0.61 U	< 0.61 U	< 0.21 U	< 0.61 U	< 0.21 U
Isopropanol	µg/m³	5.6	< 5.2 U	61	66	8.4 J	< 5.2 U	420 J	37	27
m- & p-Xylenes	µg/m³	1.3	0.46 J	0.82	0.71	< 0.3 U	< 0.3 U	0.83	< 0.3 U	< 0.11 U
Methyl Ethyl Ketone (2-Butanone)	µg/m³	4.8	< 5.8 U	100 J	200 J	22	< 5.8 U	14	< 5.8 U	3.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m³	< 0.076 U	< 0.22 U	< 0.076 U	< 0.076 U	< 0.22 U	< 0.22 U	< 0.076 U	< 0.22 U	< 0.076 U
Methylene Chloride	µg/m³	1.1 J	< 0.93 U	0.46 J	0.44 J	< 0.93 U	< 0.93 U	0.51 J	< 0.93 U	0.40 J
Naphthalene	µg/m³	0.26	< 0.43 U	0.23	0.31	< 0.43 U	< 0.43 U	0.2	< 0.43 U	< 0.15 U
N-Heptane	µg/m³	1	< 0.26 U	0.56	0.79	0.31 J	0.44	1.3	0.33 J	< 0.09 U

Table 7. Summary of VOCs Detected in Soil Vapor Intrusion Samples at 5th Avenue Plaza (February 2024)

Location ID		5AVE-IA-01	5AVE-SSV-01	5AVE-IA-02	5AVE-IA-02	5AVE-SSV-02	5AVE-SSV-02	5AVE-IA-03	5AVE-SSV-03	5AVE-OA-01
Sample Name		5AVE-IA-1-28022024	5AVE-SSV-1-28022024	5AVE-IA-2-28022024	IA-DUP-28022024	5AVE-SSV-2-28022024	SSV-DUP-28022024	5AVE-IA-3-28022024	5AVE-SSV-3-28022024	5AVE-OA-1-28022024
Parent Sample ID					5AVE-IA-2-28022024		5AVE-SSV-2-28022024			
Sample Matrix		Indoor Air	Sub-Slab Vapor	Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Outdoor Air
Sample Date		2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
N-Hexane	µg/m³	< 2.6 U	< 7.4 U	< 2.6 U	< 2.6 U	< 7.4 U	< 7.4 U	< 2.6 U	< 7.4 U	< 2.6 U
O-Xylene (1,2-Dimethylbenzene)	µg/m³	0.64	< 0.16 U	0.39	0.38	< 0.16 U	< 0.16 U	0.73	< 0.16 U	< 0.055 U
Propylene	µg/m³	< 1.3 U	< 3.8 U	< 1.3 U	< 1.3 U	< 3.8 U	< 3.8 U	< 1.3 U	< 3.8 U	< 1.3 U
Styrene	µg/m³	0.41	< 0.33 U	1.2	1.4	< 0.33 U	< 0.33 U	0.63	< 0.33 U	< 0.12 U
Tert-Butyl Methyl Ether	µg/m³	< 0.062 U	< 0.18 U	< 0.062 U	< 0.062 U	< 0.18 U	< 0.18 U	0.078 J	< 0.18 U	< 0.062 U
Tetrachloroethylene (PCE)	µg/m³	0.33	0.60 J	< 0.2 U	< 0.2 U	0.73	0.77	< 0.2 U	6.9	< 0.2 U
Tetrahydrofuran	µg/m³	1.2	< 1.1 U	< 0.39 U	< 0.39 U	< 1.1 U	< 1.1 U	0.81 J	< 1.1 U	< 0.39 U
Toluene	µg/m³	2.6	0.65	1.9	1.8	0.29 J	0.23 J	2.5	0.48	< 0.066 U
Trans-1,2-Dichloroethene	µg/m³	< 0.065 U	< 0.19 U	< 0.065 U	< 0.065 U	< 0.19 U	< 0.19 U	< 0.065 U	< 0.19 U	< 0.065 U
Trans-1,3-Dichloropropene	µg/m³	< 0.15 U	< 0.44 U	< 0.15 U	< 0.15 U	< 0.44 U	< 0.44 U	< 0.15 U	< 0.44 U	< 0.15 U
Trichloroethylene (TCE)	µg/m³	< 0.14 U	< 0.41 U	< 0.14 U	< 0.14 U	< 0.41 U	< 0.41 U	< 0.14 U	< 0.41 U	< 0.14 U
Trichlorofluoromethane	µg/m³	1.4	1.5 J	1.2	1.2	1.4 J	1.6 J	1.4	7.6	1.3
Vinyl Acetate	µg/m³	10	1.7 J	1.5 J	2.7	1.5 J	< 1.4 U	3.1	2.0 J	< 0.5 U
Vinyl Chloride	µg/m³	< 0.045 U	< 0.13 U	< 0.045 U	< 0.0048 U	< 0.13 U	< 0.13 U	< 0.045 U	< 0.13 U	< 0.045 U
VOCs (TO-15 SIM)										
1,1,2,2-Tetrachloroethane	µg/m³	< 0.0092 U	NA	< 0.0092 U	< 0.0092 U	NA	NA	< 0.0092 U	NA	< 0.0092 U
1,1,2-Trichloroethane	µg/m³	< 0.0048 U	NA	< 0.0049 U	< 0.0048 U	NA	NA	< 0.0048 U	NA	< 0.0049 U
1,1-Dichloroethane	µg/m³	< 0.0095 U	NA	< 0.0095 U	< 0.0095 U	NA	NA	< 0.0095 U	NA	< 0.0095 U
1,1-Dichloroethene	µg/m³	< 0.0053 U	NA	< 0.0053 U	< 0.0053 U	NA	NA	< 0.0053 U	NA	< 0.0053 U
1,2-Dichloroethane	µg/m³	0.07	NA	0.31	0.34	NA	NA	0.28	NA	0.11
1,2-Dichloropropane	µg/m³	< 0.0066 U	NA	0.032	< 0.0066 U	NA	NA	0.045	NA	< 0.0066 U
Bromodichloromethane	µg/m³	< 0.013 U	NA	< 0.013 U	< 0.013 U	NA	NA	< 0.013 U	NA	0.075
Carbon Tetrachloride	µg/m³	1.3	NA	0.44	0.45	NA	NA	0.42	NA	0.46
Chloroform	µg/m³	1.4	NA	0.19	0.2	NA	NA	0.19	NA	0.25
Cis-1,2-Dichloroethylene	µg/m³	< 0.0067 U	NA	< 0.0067 U	< 0.0067 U	NA	NA	< 0.0067 U	NA	< 0.0067 U
Cis-1,3-Dichloropropene	µg/m³	< 0.01 U	NA	< 0.01 U	< 0.01 U	NA	NA	< 0.01 U	NA	< 0.01 U
Trans-1,2-Dichloroethene	µg/m³	< 0.0069 U	NA	< 0.0069 U	< 0.0069 U	NA	NA	< 0.0069 U	NA	0.041
Trans-1,3-Dichloropropene	µg/m³	< 0.021 U	NA	< 0.022 U	< 0.021 U	NA	NA	< 0.021 U	NA	< 0.022 U
Trichloroethylene (TCE)	µg/m³	< 0.012 U	NA	< 0.012 U	< 0.012 U	NA	NA	< 0.012 U	NA	< 0.012 U
Vinyl Chloride	µg/m³	< 0.0048 U	NA	< 0.0048 U	< 0.045 U	NA	NA	< 0.0048 U	NA	< 0.0048 U

Notes:

µg/m³ = Microgram(s) per meter-cubed

E = Concentration exceeds calibration range

ID = Identification

J = Concentration is estimated

U = Analyte not detected

VOCs = Volatile organic compounds

NA = Analyte was not analyzed for

Table 8. SVI Results Compared to the NYSDOH Decision Matrices

Location		Unit 1		Unit 2					Unit 3	
Sample Name		5AVE-SSV-01	5AVE-IA-01	5AVE-SSV-02	5AVE-IA-02	IA-DUP	SSV-DUP	5AVE-OA-01	5AVE-SSV-03	5AVE-IA-03
Parent Sample ID						5AVE-IA-02	5AVE-SSV-02			
Sample Matrix		Sub-slab Vapor	Indoor air	Sub-slab Vapor	Indoor air	Indoor air	Sub-slab Vapor	Outdoor air	Sub-slab Vapor	Indoor air
Sample Date		2/28/2024		2/28/2024					2/28/2024	
Analytes	Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Matrix A										
Trichloroethene (TCE)	µg/m³	< 0.41 U	< 0.14 U	< 0.41 U	< 0.14 U	< 0.14 U	< 0.41 U	< 0.14 U	< 0.41 U	< 0.14 U
Trichloroethene (TCE) (SIM)	µg/m³	NA	< 0.012 U	NA	< 0.012 U	< 0.012 U	NA	< 0.012 U	NA	< 0.012 U
cis-1,2-Dichlorethene	µg/m³	< 0.19 U	< 0.067 U	< 0.19 U	< 0.067 U	< 0.067 U	< 0.19 U	< 0.067 U	< 0.19 U	< 0.067 U
cis-1,2-Dichlorethene (SIM)	µg/m³	NA	< 0.0067 U	NA	< 0.0067 U	< 0.0067 U	NA	< 0.0067 U	NA	< 0.0067 U
1,1-Dichloroethene	µg/m³	< 0.28 U	< 0.097 U	< 0.28 U	< 0.097 U	< 0.097 U	< 0.28 U	< 0.097 U	< 0.28 U	< 0.097 U
1,1-Dichloroethene (SIM)	µg/m³	NA	< 0.0053 U	NA	< 0.0053 U	< 0.0053 U	NA	< 0.0053 U	NA	< 0.0053 U
Carbon Tetrachloride	µg/m³	< 0.5 U	1.3	< 0.5 U	0.5	0.44	< 0.5 U	0.52	< 0.5 U	0.44
Carbon Tetrachloride (SIM)	µg/m³	NA	1.3	NA	0.44	0.45	NA	0.46	NA	0.42
Matrix B										
Tetrachloroethene (PCE)	µg/m³	0.60 J	0.33	0.73	< 0.2 U	< 0.2 U	0.77	< 0.2 U	6.9	< 0.2 U
1,1,1-Trichloroethane (TCA)	µg/m3	72	0.17 J	1.2	< 0.059 U	< 0.059 U	1.4	< 0.059 U	5.8	< 0.059 U
Methylene Chloride	µg/m3	< 0.93 U	1.1 J	< 0.93 U	0.46 J	0.44 J	< 0.93 U	0.40 J	< 0.93 U	0.51 J
Matrix C										
Vinyl Chloride	µg/m³	< 0.13 U	< 0.045 U	< 0.13 U	< 0.045 U	< 0.0048 U	< 0.13 U	< 0.045 U	< 0.13 U	< 0.045 U
Vinyl Chloride (SIM)	µg/m³	NA	< 0.0048 U	NA	< 0.0048 U	< 0.045 U	NA	< 0.0048 U	NA	< 0.0048 U
Matrix D										
Benzene	µg/m³	0.12 J	1.4	0.17 J	0.5	0.4	0.17 J	0.21	0.29 J	0.6
Ethylbenzene	µg/m3	< 0.15 U	0.5	< 0.15 U	0.29	0.25	< 0.15 U	< 0.052 U	< 0.15 U	0.36
Naphthalene	µg/m3	< 0.43 U	0.26	< 0.43 U	0.23	0.31	< 0.43 U	< 0.15 U	< 0.43 U	0.2
Cyclohexane	µg/m3	< 0.27 U	0.28	< 0.27 U	0.17	0.22	< 0.27 U	0.11 J	< 0.27 U	0.24
2,2,4-Trimethylpentane	µg/m3	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/m3	< 0.29 U	0.89	< 0.29 U	2.9	3.2	< 0.29 U	< 0.1 U	< 0.29 U	12
1,3,5-Trimethylbenzene	µg/m3	< 0.38 U	0.25	< 0.38 U	0.74	0.89	< 0.38 U	< 0.13 U	< 0.38 U	4.3
o-Xylene	µg/m3	< 0.16 U	0.64	< 0.16 U	0.39	0.38	< 0.16 U	< 0.055 U	< 0.16 U	0.73
Matrix E										
m,p-Xylene	µg/m³	0.46 J	1.3	< 0.3 U	0.82	0.71	< 0.3 U	< 0.11 U	< 0.3 U	0.83
N-Hexane	µg/m3	< 7.4 U	< 2.6 U	< 7.4 U	< 2.6 U	< 2.6 U	< 7.4 U	< 2.6 U	< 7.4 U	< 2.6 U
N-Heptane	µg/m3	< 0.26 U	1	0.31 J	0.56	0.79	0.44	< 0.09 U	0.33 J	1.3
Matrix F										
Toluene	µg/m³	0.65	2.6	0.29 J	1.9	1.8	0.23 J	< 0.066 U	0.48	2.5

Notes

µg/m³ = Microgram(s) per cubic meter
ID = Identification
IS = Identify source(s) and resample or mitigate
J = Concentration is estimated
MI = Mitigate
MO = Monitor
NA = Not applicable
NFA = No Further Action
NY = New York
NYSDOH = New York State Department of Health
Qual = Qualifier
SVI = Soil vapor intrusion
U = Not detected at or above the method detection limit
Purple shading indicates that results were detected.

MATRIX A

Sub-Slab Vapor Concentration (µg/m³)	Indoor Air Concentration (µg/m³)		
	<0.2	0.2 to <1	1 and above
<6	NFA	NFA	IS
6 to <60	NFA	MO	MI
60 and above	MI	MI	MI

MATRIX B

Sub-Slab Vapor Concentration (µg/m³)	Indoor Air Concentration (µg/m³)		
	<3	3 to <10	10 and above
<100	NFA	NFA	IS
100 to <1,000	NFA	MO	MI
1,000 and above	MI	MI	MI

MATRIX C

Sub-Slab Vapor Concentration (µg/m³)	Indoor Air Concentration (µg/m³)	
	<0.2	0.2 and above
<6	NFA	IS
6 to <60	MO	MI
60 and above	MI	MI

MATRIX D

Sub-Slab Vapor Concentration (µg/m³)	Indoor Air Concentration (µg/m³)		
	< 2	2 to < 10	10 and above
<60	NFA	NFA	IS
60 to <600	NFA	MO	MI
600 and above	MI	MI	MI

MATRIX E

Sub-Slab Vapor Concentration (µg/m³)	Indoor Air Concentration (µg/m³)		
	< 6	6 to < 20	20 and above
<200	NFA	NFA	IS
200 to <2,000	NFA	MO	MI
2,000 and above	MI	MI	MI

MATRIX F

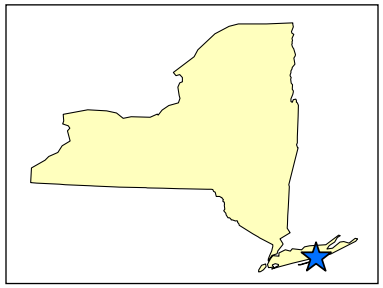
Sub-Slab Vapor Concentration (µg/m³)	Indoor Air Concentration (µg/m³)		
	< 10	10 to < 50	50 and above
<300	NFA	NFA	IS
300 to <3,000	NFA	MO	MI
3,000 and above	MI	MI	MI

Figures

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G:\Projects\State&Local\NYSDEC - D009806\Work Assignments\16025533_South Shore Outdoor_RI-FS\06_GIS\01_MXD\South Shore Outdoor RI FS\South Shore Outdoor RI FS Figure 1.aprx



0 125 250

Feet

1 inch = 170 feet

Legend

- South Shore Outdoor Site (NYSDEC Site No. C152228)
- Staging Area
- Monitoring Well
- Soil Vapor Points
- Direct-Push Groundwater Sample Locations
- Site Location

N

Note:
MW-5SR and MW-5DR are a nested pair.

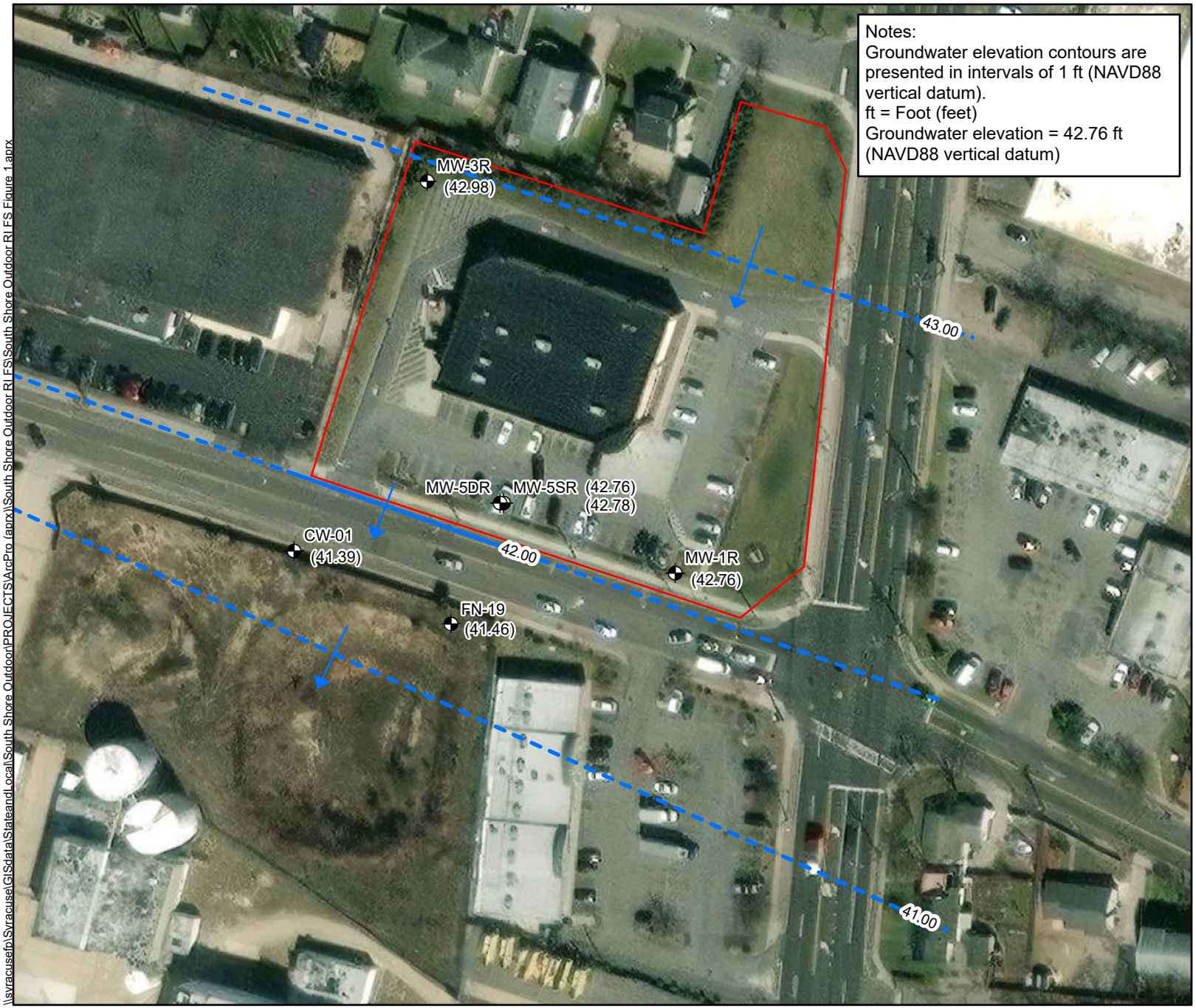
Figure 1
General Site Location and Drilling Locations

South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

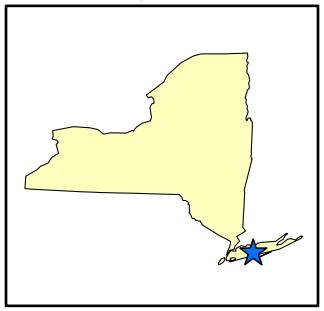
Map Date: 10/17/2023
Projection: NAD83 State Plane New York Long Island

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VICINITY MAP



Legend

- Inferred Groundwater Elevation Contour
- Groundwater Elevation Contour
- Groundwater Flow Direction
- Approximate On-Site Boundary
- Monitoring Well
- Site Location

N

0 50 100

Feet

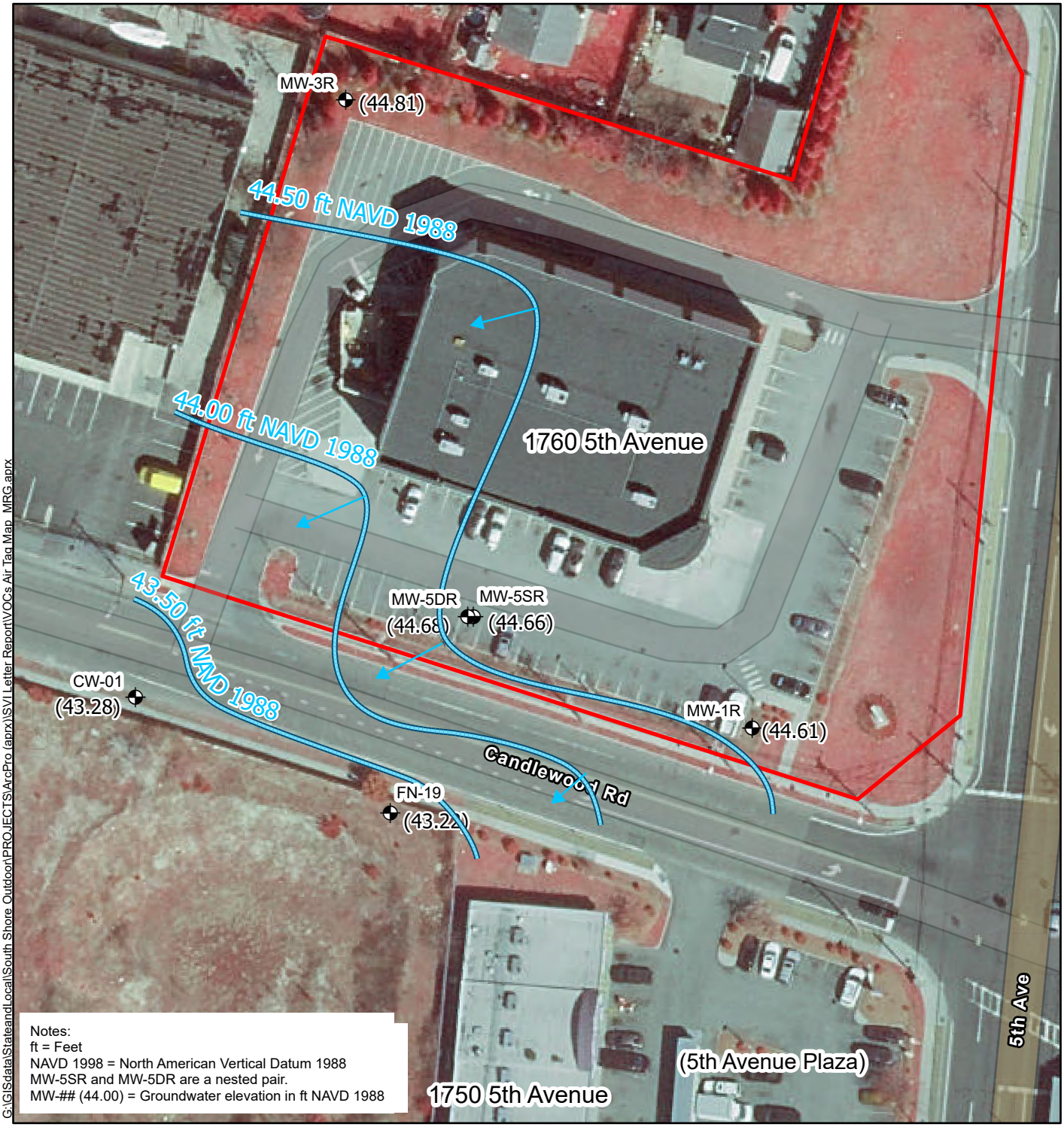
Map Date: 1/15/2024
Projection: NAD83 State Plane New York Long Island

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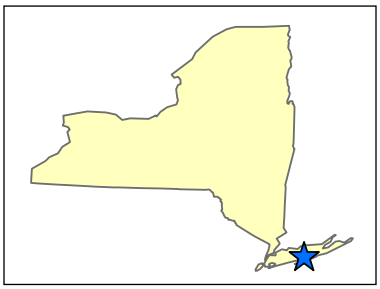
Figure 2
Groundwater Elevation Contour Map
July 2023

South Shore Outdoor
(NYSDEC Site No. C152228A)
Bay Shore, NY

\\svracusefp\Syracuse\GIS\data\StateandLocal\South Shore Outdoor\PROJECTS\ArcPro (aprx)\South Shore Outdoor RI FS\South Shore Outdoor RI FS Figure 1.aprx



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0 35 70
Feet

Legend

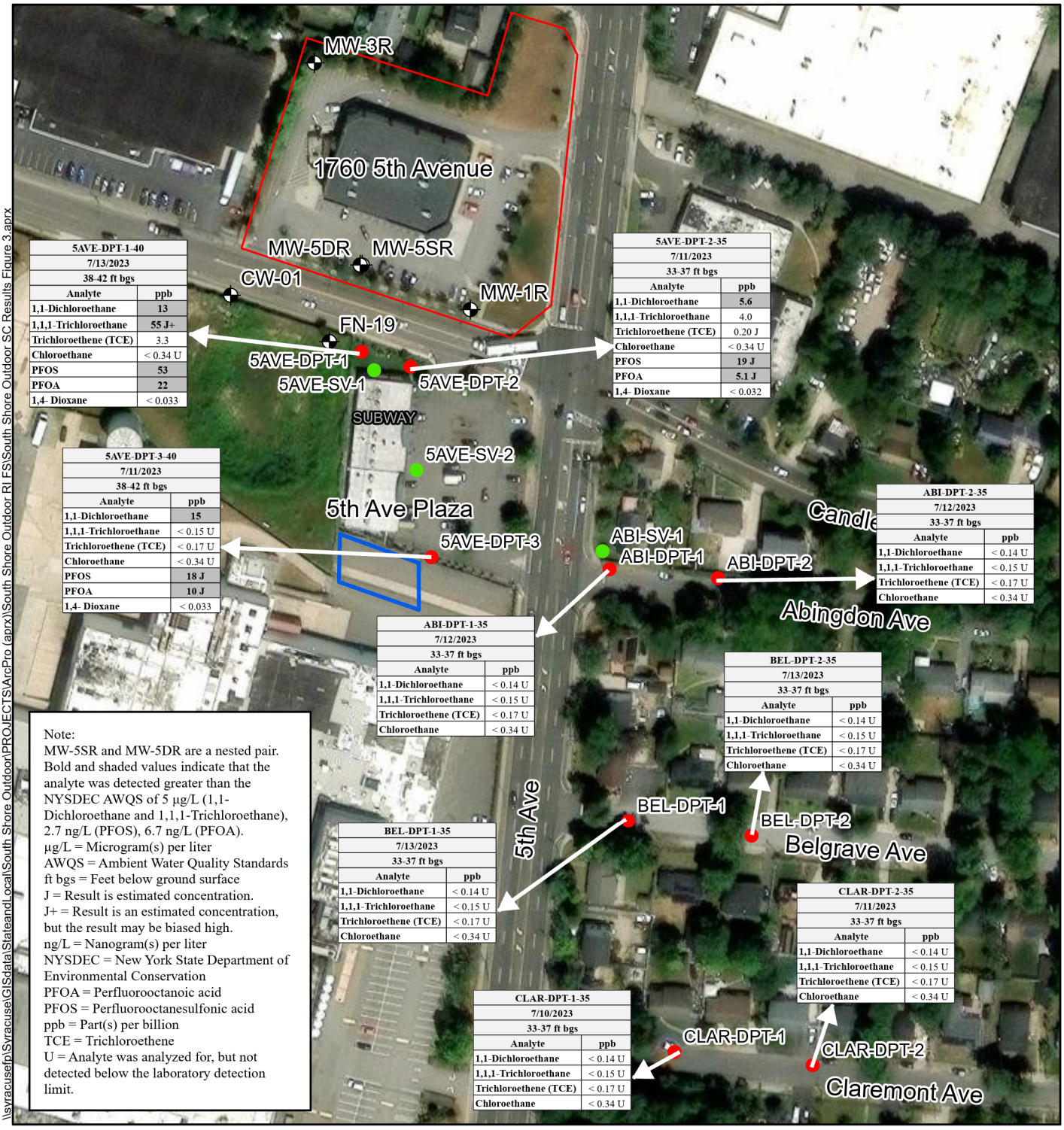
- Site Location
- Monitoring Well
- Site Boundary
- Groundwater Elevation Contours
- Groundwater Flow Direction

Figure 3
February 2024 Groundwater Elevation Contour Map

South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 8/5/2024
Projection: NAD83 State Plane New York Long Island

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5AVE-DPT-1-40	
7/13/2023	
38-42 ft bgs	
Analyte	ppb
1,1-Dichloroethane	13
1,1,1-Trichloroethane	55 J+
Trichloroethene (TCE)	3.3
Chloroethane	< 0.34 U
PFOS	53
PFOA	22
1,4- Dioxane	< 0.033

5AVE-DPT-2-35	
7/11/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	5.6
1,1,1-Trichloroethane	4.0
Trichloroethene (TCE)	0.20 J
Chloroethane	< 0.34 U
PFOS	19 J
PFOA	5.1 J
1,4- Dioxane	< 0.032

5AVE-DPT-3-40	
7/11/2023	
38-42 ft bgs	
Analyte	ppb
1,1-Dichloroethane	15
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U
PFOS	18 J
PFOA	10 J
1,4- Dioxane	< 0.033

ABI-DPT-2-35	
7/12/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

ABI-DPT-1-35	
7/12/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

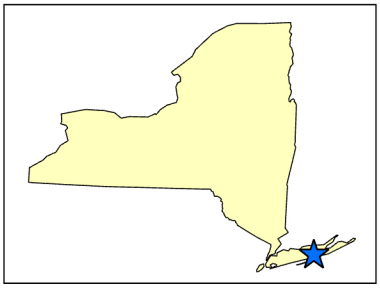
BEL-DPT-2-35	
7/13/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

BEL-DPT-1-35	
7/13/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

CLAR-DPT-2-35	
7/11/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

CLAR-DPT-1-35	
7/10/2023	
33-37 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

Note:
MW-5SR and MW-5DR are a nested pair.
Bold and shaded values indicate that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L (1,1-Dichloroethane and 1,1,1-Trichloroethane), 2.7 ng/L (PFOS), 6.7 ng/L (PFOA).
µg/L = Microgram(s) per liter
AWQS = Ambient Water Quality Standards
ft bgs = Feet below ground surface
J = Result is estimated concentration.
J+ = Result is an estimated concentration, but the result may be biased high.
ng/L = Nanogram(s) per liter
NYSDEC = New York State Department of Environmental Conservation
PFOA = Perfluorooctanoic acid
PFOS = Perfluorooctanesulfonic acid
ppb = Part(s) per billion
TCE = Trichloroethene
U = Analyte was analyzed for, but not detected below the laboratory detection limit.



0 125 250
Feet
1 inch = 170 feet

Legend

- South Shore Outdoor Site (NYSDEC Site No. C152228)
- Staging Area
- Monitoring Well
- Soil Vapor Points
- Direct-Push Groundwater Sample Locations
- Site Location

N

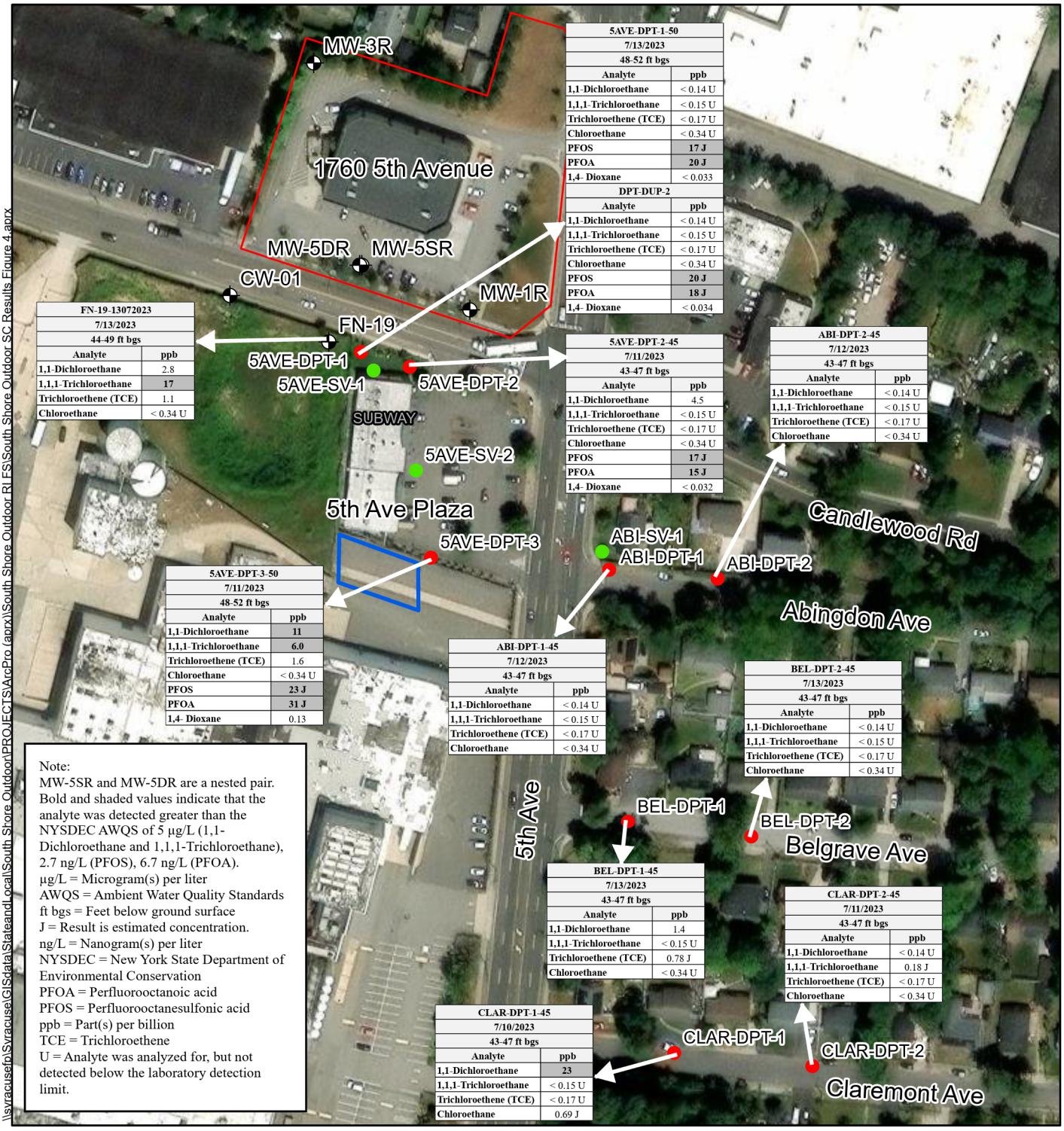
Figure 4
Groundwater Sample Results - 33-43 ft bgs Depth Interval

South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 1/15/2024
Projection: NAD83 State Plane New York Long Island

NEW YORK STATE Department of Environmental Conservation

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5AVE-DPT-1-50	
7/13/2023	
48-52 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U
PFOS	17 J
PFOA	20 J
1,4- Dioxane	< 0.033

DPT-DUP-2	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U
PFOS	20 J
PFOA	18 J
1,4- Dioxane	< 0.034

FN-19-13072023	
7/13/2023	
44-49 ft bgs	
Analyte	ppb
1,1-Dichloroethane	2.8
1,1,1-Trichloroethane	17
Trichloroethene (TCE)	1.1
Chloroethane	< 0.34 U

5AVE-DPT-2-45	
7/11/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	4.5
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U
PFOS	17 J
PFOA	15 J
1,4- Dioxane	< 0.032

ABI-DPT-2-45	
7/12/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

5AVE-DPT-3-50	
7/11/2023	
48-52 ft bgs	
Analyte	ppb
1,1-Dichloroethane	11
1,1,1-Trichloroethane	6.0
Trichloroethene (TCE)	1.6
Chloroethane	< 0.34 U
PFOS	23 J
PFOA	31 J
1,4- Dioxane	0.13

ABI-DPT-1-45	
7/12/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

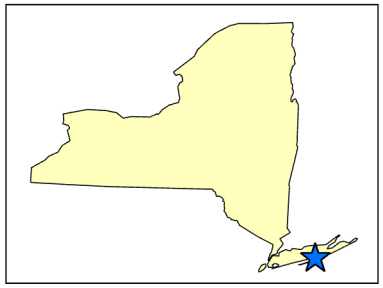
BEL-DPT-2-45	
7/13/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

BEL-DPT-1-45	
7/13/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	1.4
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	0.78 J
Chloroethane	< 0.34 U

CLAR-DPT-2-45	
7/11/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	0.18 J
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

CLAR-DPT-1-45	
7/10/2023	
43-47 ft bgs	
Analyte	ppb
1,1-Dichloroethane	23
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	0.69 J

Note:
MW-5SR and MW-5DR are a nested pair.
Bold and shaded values indicate that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L (1,1-Dichloroethane and 1,1,1-Trichloroethane), 2.7 ng/L (PFOS), 6.7 ng/L (PFOA).
µg/L = Microgram(s) per liter
AWQS = Ambient Water Quality Standards
ft bgs = Feet below ground surface
J = Result is estimated concentration.
ng/L = Nanogram(s) per liter
NYSDEC = New York State Department of Environmental Conservation
PFOA = Perfluorooctanoic acid
PFOS = Perfluorooctanesulfonic acid
ppb = Part(s) per billion
TCE = Trichloroethene
U = Analyte was analyzed for, but not detected below the laboratory detection limit.



0 125 250
Feet
1 inch = 170 feet

Legend

- South Shore Outdoor Site (NYSDEC Site No. C152228)
- Staging Area
- Monitoring Well
- Soil Vapor Points
- Direct-Push Groundwater Sample Locations
- Site Location

N

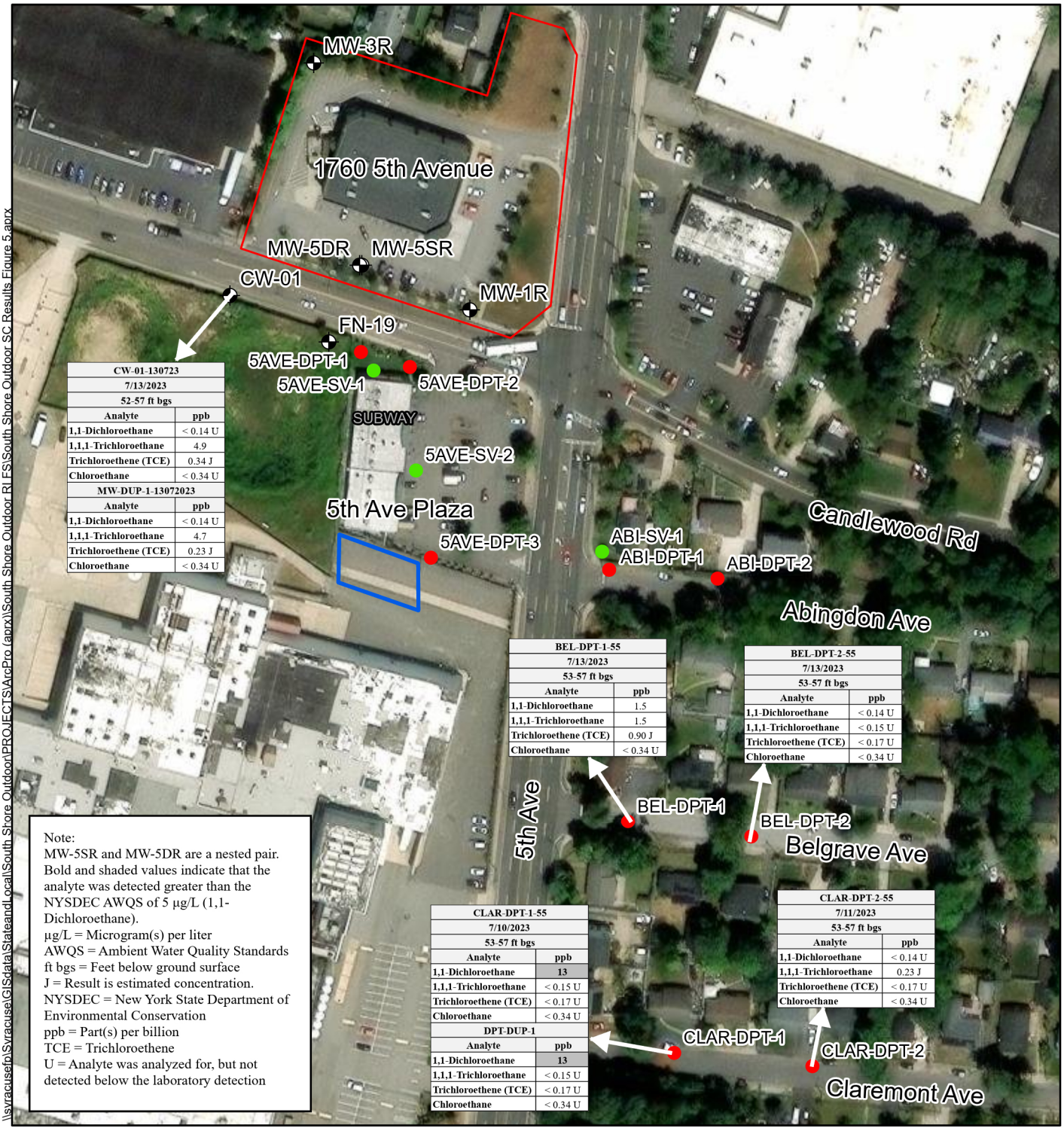
Figure 5
Groundwater Sample Results - 43-53 ft bgs Depth Interval

South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 1/15/2024
Projection: NAD83 State Plane New York Long Island

NEW YORK STATE Department of Environmental Conservation

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CW-01-130723	
7/13/2023	
52-57 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	4.9
Trichloroethene (TCE)	0.34 J
Chloroethane	< 0.34 U
MW-DUP-1-13072023	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	4.7
Trichloroethene (TCE)	0.23 J
Chloroethane	< 0.34 U

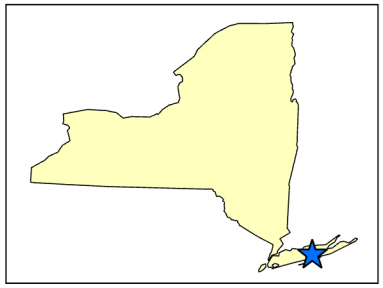
BEL-DPT-1-55	
7/13/2023	
53-57 ft bgs	
Analyte	ppb
1,1-Dichloroethane	1.5
1,1,1-Trichloroethane	1.5
Trichloroethene (TCE)	0.90 J
Chloroethane	< 0.34 U

BEL-DPT-2-55	
7/13/2023	
53-57 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

CLAR-DPT-1-55	
7/10/2023	
53-57 ft bgs	
Analyte	ppb
1,1-Dichloroethane	13
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U
DPT-DUP-1	
Analyte	ppb
1,1-Dichloroethane	13
1,1,1-Trichloroethane	< 0.15 U
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

CLAR-DPT-2-55	
7/11/2023	
53-57 ft bgs	
Analyte	ppb
1,1-Dichloroethane	< 0.14 U
1,1,1-Trichloroethane	0.23 J
Trichloroethene (TCE)	< 0.17 U
Chloroethane	< 0.34 U

Note:
MW-5SR and MW-5DR are a nested pair.
Bold and shaded values indicate that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L (1,1-Dichloroethane).
µg/L = Microgram(s) per liter
AWQS = Ambient Water Quality Standards
ft bgs = Feet below ground surface
J = Result is estimated concentration.
NYSDEC = New York State Department of Environmental Conservation
ppb = Part(s) per billion
TCE = Trichloroethene
U = Analyte was analyzed for, but not detected below the laboratory detection



0 125 250
Feet
1 inch = 170 feet

Legend

- South Shore Outdoor Site (NYSDEC Site No. C152228)
- Staging Area
- Monitoring Well
- Soil Vapor Points
- Proposed Direct-Push Groundwater Sample Locations
- Site Location

N

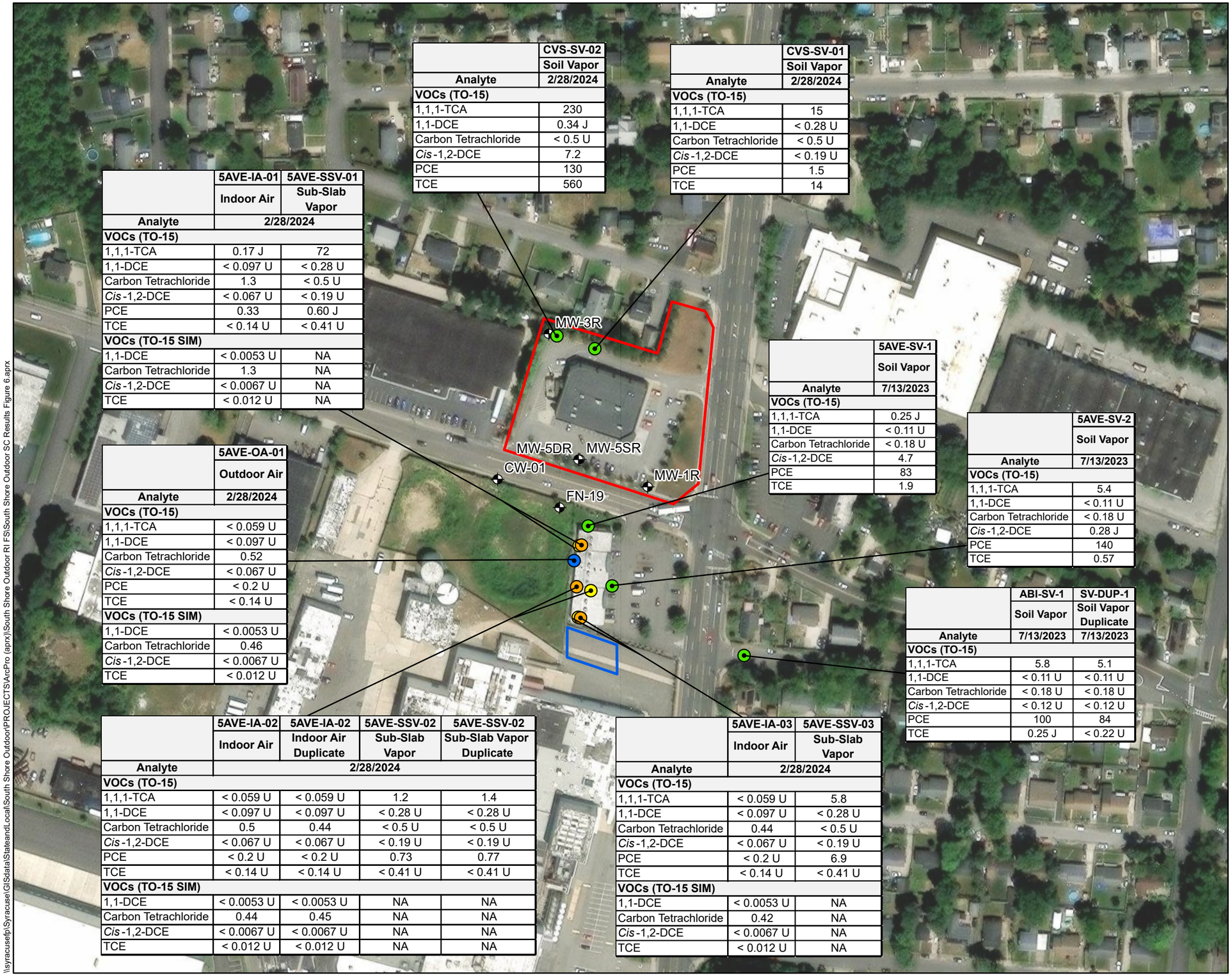
Figure 6
Groundwater Sample Results- 53-63 ft bgs Depth Interval

South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 8/4/2025
Projection: NAD83 State Plane New York Long Island

NEW YORK STATE Department of Environmental Conservation

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Analyte	CVS-SV-02 Soil Vapor 2/28/2024
VOCs (TO-15)	
1,1,1-TCA	230
1,1-DCE	0.34 J
Carbon Tetrachloride	< 0.5 U
Cis-1,2-DCE	7.2
PCE	130
TCE	560

Analyte	CVS-SV-01 Soil Vapor 2/28/2024
VOCs (TO-15)	
1,1,1-TCA	15
1,1-DCE	< 0.28 U
Carbon Tetrachloride	< 0.5 U
Cis-1,2-DCE	< 0.19 U
PCE	1.5
TCE	14

Analyte	5AVE-IA-01 Indoor Air 2/28/2024	5AVE-SSV-01 Sub-Slab Vapor 2/28/2024
VOCs (TO-15)		
1,1,1-TCA	0.17 J	72
1,1-DCE	< 0.097 U	< 0.28 U
Carbon Tetrachloride	1.3	< 0.5 U
Cis-1,2-DCE	< 0.067 U	< 0.19 U
PCE	0.33	0.60 J
TCE	< 0.14 U	< 0.41 U
VOCs (TO-15 SIM)		
1,1-DCE	< 0.0053 U	NA
Carbon Tetrachloride	1.3	NA
Cis-1,2-DCE	< 0.0067 U	NA
TCE	< 0.012 U	NA

Analyte	5AVE-SV-1 Soil Vapor 7/13/2023
VOCs (TO-15)	
1,1,1-TCA	0.25 J
1,1-DCE	< 0.11 U
Carbon Tetrachloride	< 0.18 U
Cis-1,2-DCE	4.7
PCE	83
TCE	1.9

Analyte	5AVE-SV-2 Soil Vapor 7/13/2023
VOCs (TO-15)	
1,1,1-TCA	5.4
1,1-DCE	< 0.11 U
Carbon Tetrachloride	< 0.18 U
Cis-1,2-DCE	0.28 J
PCE	140
TCE	0.57

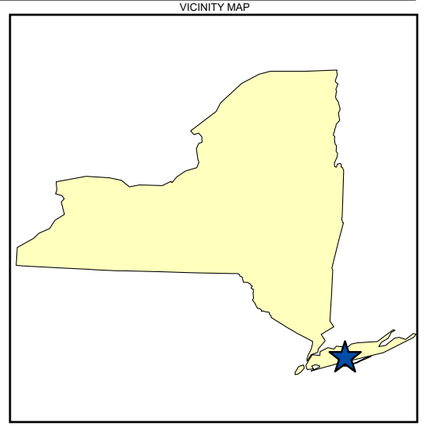
Analyte	5AVE-OA-01 Outdoor Air 2/28/2024
VOCs (TO-15)	
1,1,1-TCA	< 0.059 U
1,1-DCE	< 0.097 U
Carbon Tetrachloride	0.52
Cis-1,2-DCE	< 0.067 U
PCE	< 0.2 U
TCE	< 0.14 U
VOCs (TO-15 SIM)	
1,1-DCE	< 0.0053 U
Carbon Tetrachloride	0.46
Cis-1,2-DCE	< 0.0067 U
TCE	< 0.012 U

Analyte	ABI-SV-1 Soil Vapor 7/13/2023	SV-DUP-1 Soil Vapor Duplicate 7/13/2023
VOCs (TO-15)		
1,1,1-TCA	5.8	5.1
1,1-DCE	< 0.11 U	< 0.11 U
Carbon Tetrachloride	< 0.18 U	< 0.18 U
Cis-1,2-DCE	< 0.12 U	< 0.12 U
PCE	100	84
TCE	0.25 J	< 0.22 U

Analyte	5AVE-IA-02 Indoor Air 2/28/2024	5AVE-IA-02 Indoor Air Duplicate 2/28/2024	5AVE-SSV-02 Sub-Slab Vapor 2/28/2024	5AVE-SSV-02 Sub-Slab Vapor Duplicate 2/28/2024
VOCs (TO-15)				
1,1,1-TCA	< 0.059 U	< 0.059 U	1.2	1.4
1,1-DCE	< 0.097 U	< 0.097 U	< 0.28 U	< 0.28 U
Carbon Tetrachloride	0.5	0.44	< 0.5 U	< 0.5 U
Cis-1,2-DCE	< 0.067 U	< 0.067 U	< 0.19 U	< 0.19 U
PCE	< 0.2 U	< 0.2 U	0.73	0.77
TCE	< 0.14 U	< 0.14 U	< 0.41 U	< 0.41 U
VOCs (TO-15 SIM)				
1,1-DCE	< 0.0053 U	< 0.0053 U	NA	NA
Carbon Tetrachloride	0.44	0.45	NA	NA
Cis-1,2-DCE	< 0.0067 U	< 0.0067 U	NA	NA
TCE	< 0.012 U	< 0.012 U	NA	NA

Analyte	5AVE-IA-03 Indoor Air 2/28/2024	5AVE-SSV-03 Sub-Slab Vapor 2/28/2024
VOCs (TO-15)		
1,1,1-TCA	< 0.059 U	5.8
1,1-DCE	< 0.097 U	< 0.28 U
Carbon Tetrachloride	0.44	< 0.5 U
Cis-1,2-DCE	< 0.067 U	< 0.19 U
PCE	< 0.2 U	6.9
TCE	< 0.14 U	< 0.41 U
VOCs (TO-15 SIM)		
1,1-DCE	< 0.0053 U	NA
Carbon Tetrachloride	0.42	NA
Cis-1,2-DCE	< 0.0067 U	NA
TCE	< 0.012 U	NA

VICINITY MAP



Legend

- Site Location
- Site Boundary
- Staging Area
- Monitoring Well
- Indoor Air Sample
- Outdoor Air Sample
- Soil Vapor Sample
- Sub-Slab Soil Vapor Sample

Notes:
All concentrations are reported in micrograms per meter-cubed (µg/m³).

DCE = Dichloroethene/Dichloroethylene
J = Reported concentration is estimated.
NA = Not analyzed
PCE = Tetrachloroethylene
TCA = Trichloroethane
TCE = Trichloroethylene
VOCs = Volatile Organic Compounds
U = Analyte not detected above reporting limit.

Map Date: 4/28/2025
Source: ESRI, 2011
Projection: NAD 1983 (2011) State Plane New York Long Island FIPS (3104) US Feet

0 150 300
Feet

N

NEW YORK STATE Department of Environmental Conservation

Figure 7
Soil Vapor Sample Results
South Shore Outdoor- Off-Site Property
(NYSDEC Site No. C152228A)
Bay Shore, NY

\\syracusefp\Syracuse\GIS\data\StateandLocal\South Shore Outdoor\PROJECTS\ArcPro (aprx)\South Shore Outdoor RI FS\South Shore Outdoor SC Results Figure 6.aprx

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Attachment A

SVI Letter Report

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Telephone: 315-431-4610
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12 August 2024

Mr. Steeven Imbaquingo
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau A, Section B, 12th Floor
625 Broadway
Albany, New York 12233-7015

RE: Letter Report Soil Vapor Intrusion Investigation
Site/Spill No.: South Shore Outdoor—Off-Site
Contract/Work Assignment No. D009806-33
Site No. C152228A
Bay Shore, Suffolk County, New York

Dear Mr. Imbaquingo:

This letter report summarizes field activities for soil vapor intrusion (SVI) investigation of the off-site area (Site No. C152228A) associated with the South Shore Outdoor site (Site No. C152228), a property (currently CVS, a retail pharmacy store) located at 1760 5th Avenue, at the corner of 5th Avenue and Candlewood Road, in the town of Bay Shore, Suffolk County, New York (**Figure 1)**. As part of this investigation, the property at 5th Avenue Plaza (located at 1750 5th Avenue, due south of 1760 5th Avenue across Candlewood Road, Bay Shore, New York; Tax Parcel # 0500-182.00-01.00-042.000), consisting of nine (9) individual units (several currently occupied by businesses), was sampled for soil vapor intrusion investigation and the on-site area (CVS parcel) was sampled for soil vapor. EA Engineering and Geology, P.C. (EA) performed field activities between 27 February 2024 and 28 February 2024 as described in the approved SVI Investigation Work Plan[1].

1. SITE DESCRIPTION AND HISTORY

The South Shore Outdoor site is a 1.89-acre property located at 1760 5th Avenue, Bay Shore, Suffolk County, New York (**Figure 1**). The property is currently in the New York State Brownfield Cleanup Program which is administered by the New York State Department of Environmental Conservation (NYSDEC). The site was developed sometime before 1969 and was a manufacturer of printed circuit boards. A window manufacturer and installer occupied the site sometime in the mid-1980s. Prior to the remedial action in 2017, the property was the source area of chlorinated volatile organic compounds (VOCs), which were improperly disposed of in drywells located on-site. The following VOCs were identified as site related contaminates of concern (COC) 1,1,1-Trichloroethane, 1,1-dichloroethane, chloroethane, trichloroethene, and 1,1,2-trichlorethylene. The remedial action in 2017 demolished the former building, excavated the impacted soils and sediment, and replaced the soils with clean fill, suitable for future commercial use at the site.

Currently, South Shore Outdoor site is being used as a retail pharmacy store (CVS) and the off-site area, mostly downgradient of the site, is comprised of residential and commercial properties.

2. OBJECTIVES

Due to tetrachloroethene (PCE) detections in soil vapor samples adjacent to 5th Avenue Plaza during the Site Characterization (2023) sampling event, NYSDEC requested EA to perform an SVI evaluation at the 5th Avenue Plaza (a structure to the south of South Shore Outdoor site property). Work is being performed under the existing work assignment for site characterization activities. Approximate activity locations can be found on **Figure 2**.

Completed field activities include:

- Groundwater gauging of on-site and off-site monitoring wells.
- Building inventory and reconnaissance of businesses sampled in 5th Avenue Plaza
- Installation of three temporary sub-slab soil vapor monitoring points in three of the nine units within the 5th Avenue Plaza as outlined in the SVI Workplan.
- Concurrent soil vapor sample collection from three sub-slab monitoring points and corresponding indoor air samples
- Installation of two soil vapor monitoring points, leak testing and soil vapor sample collection at the CVS property
- Sample collection from one outdoor/ambient air location placed upwind of the plaza
- Differential pressure monitoring of indoor and outdoor air, and indoor air and the sub-slab environment.

Work performed under this work assignment will be conducted in accordance with EA's Generic Quality Assurance Project Plan[1], EA's Generic Field Activities Plan[2] , EA's Generic Health and Safety Plan[3], and site-specific Health and Safety Plan Addendum[4]. Daily field reports can be found in **Attachment A** and completed field forms can be found in **Attachment B**.

1 EA. 2020. Generic Quality Assurance Project Plan for Work Assignments under NYSDEC Contract D009806. Revision 01. April.
2 EA. 2023. Generic Field Activities Plan for Work Assignments under NYSDEC Contract D009806. Revision 02. March.
3 EA. 2020. Generic Health and Safety Plan for Work Assignments under NYSDEC Contract D009806. Revision 01. March
4 EA. 2023. Health and Safety Plan Addendum South Shore Outdoor – Off-Site, Bay Shoe, New York, Revision 02. July

3. SOIL VAPOR INTRUSION INVESTIGATION: FIELD ACTIVITIES

3.1 UTILITY CLEARANCE AND SYNOPTIC WELL GAUGING

Prior to field activities, EA's subcontractor AARCO Environmental Services (AARCO) contacted Dig Safely New York to mark out any public utilities. AARCO provided copies of all Dig Safe New York notifications and responses to EA prior to mobilizing. AARCO hand cleared (soft dig) to 5 feet (ft) below ground surface to confirm no utility interference existed at each of the 2 proposed drilling locations.

EA performed a synoptic gauging event of all on-site and off-site wells (**Figure 3 and Table 1**). Existing well information with gauging results can be found in **Table 1** and groundwater contour depicting flow direction to the southwest is presented on **Figure 3**.

3.2 SOIL VAPOR INTRUSION EVALUATION

The SVI evaluation was conducted at an existing structure within three of the nine individual units in 5th Avenue Plaza from 27 February 2024 to 28 February 2024. Two of the units have an active business and one does not currently have an operating business but is undergoing remodeling. The SVI evaluation included sub-slab soil vapor sample collection with concurrent indoor air sample collection and outdoor air sample collection. The property has no basement or crawlspace. Three sub-slab points were identified in the work plan to be sampled. These points were placed in three business units of the structure and are identified below:

- Unit 1: Dunkin Donuts Baskin Robins
- Unit 2: Currently a vacant business undergoing remodeling.
- Unit 3: Variety/Convenience Store

Soil-vapor sampling points were installed on the first floor. Samples were collected in accordance with Section 11 of the Generic Field Activities Plan[2] and New York State Department of Health (NYSDOH) SVI Guidance[5].

Structure (5th Ave Plaza) Inspection/Inventory and Owner Questionnaire

EA inspected and documented the conditions at the sampling locations in 5th Avenue Plaza on the day of sample collection on a Structure Sampling Questionnaire and Building Inventory (**Attachment B**). Three of the nine businesses at the 5th Avenue property were sampled. Two locations were businesses located on the north and south end of the 5th Avenue Plaza and the third location was at a business nearest to the soil vapor boring (5AVE-SV-2) with higher soil vapor PCE detection during the Site Characterization (2023) sampling event. This business was located in the middle of the plaza in a unit that is currently not operating and undergoing renovations. The building inventory and inspections conducted prior to sampling activities were used to identify possible sub-slab soil vapor-entry points. Building inventories and questionnaire can be found in **Attachment B**.

5 NYSDOH. 2006. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October

Sub-Slab Vapor Sampling

The sub-slab vapor points were installed according to the SVI Investigation Work Plan[1]. A visual assessment of the condition of the floor slab of the building was completed. The locations of the sub-slab vapor points were selected to be out of the line of traffic and convenient for the business units' operations. Location of the sub-slab vapor points can be found in **Figure 2**. Sub-slab points were installed via a hammer drill through the floor slab and sealed with beeswax. Once the sub-slab vapor point was installed and the beeswax has hardened, a dry leak test was performed using helium tracer gas. All sub-slab points passed the leak test, and no repair or augmentation was required. A 6-L Summa® Canister with a vacuum gauge and flow controller were connected to the sample tubing, flow controllers were set to fill the 6-L summa® canisters over an 8-hour collection period.

The serial number of the canister and associated regulator were recorded on the field sampling form (provided as **Attachment B**). Sample identification, sample start date/time, vacuum gauge pressure, and required analysis (EPA Method TO-15) were recorded on the canister identification tag and the field sampling form.

Following the 8-hour collection period, the canister valve was closed to terminate sample collection, unless the gauge had previously reached a pressure under -5"Hg. The flow regulator ending gauge pressure and sample end time were recorded on the canister identification tag and the field sampling form. Pertinent sample information was recorded on the associated chain-of-custody and the canister was repackaged into the original box. The sub-slab soil vapor sample was sent to the analytical laboratory for VOC analysis by EPA Method TO-15.

Indoor and Outdoor Air Sampling

Three indoor air samples and one duplicate indoor air sample were collected from the building as part of the SVI evaluation. Sample activities were carried out as specified in the SVI Investigation Workplan[1]. Indoor air samples were collected in the general vicinity of the sub-slab monitoring points. An ambient outdoor air sample was placed in proximity to the structure. Indoor and outdoor air samples were set up to collect a representative air sample from within the breathing zone (i.e., 3–5 ft above the floor). A 6-L Summa® canister with a vacuum gauge and flow controller were used to collect the indoor and outdoor air samples. The flow controllers were set to fill the 6-L Summa® canister over an 8-hour collection period. Locations of the indoor and outdoor air samples are illustrated on **Figure 2**.

Prior to initiating sampling, the serial number of the canister and associated regulator were recorded on the field sampling form (provided as **Attachment B**). Sample identification, sample start date/time, vacuum gauge pressure, and required analysis (EPA Method TO-15 SIM) were recorded on the canister identification tag and the field sampling form.

Following the 8-hour collection period, the canister valves were closed to terminate sample collection, unless the sample pressure reached below -5"Hg prior to the 8-hour period being up. . Flow regulator ending gauge pressures and sample end times were recorded on the canister

identification tags and the field sampling forms. Pertinent sample information was recorded on the associated chain-of-custody. Indoor and outdoor air samples were sent to the analytical laboratory for VOC analysis by EPA Method TO-15 SIM.

3.3 SOIL VAPOR POINT INSTALLATION AND SAMPLING

Two soil vapor points were installed within the vadose zone utilizing direct push methods as shown on **Figure 2** at the CVS property (South Shore Outdoor Site). The target depth for installation of soil vapor points was 10 ft below ground surface. A 6-in. stainless steel sampling screen attached to a dedicated section of 0.25-in. diameter Teflon™ or Teflon™-lined tubing was installed in the borehole to collect soil vapor samples. Quartz sand was used to backfill the borehole to 6 in. above the stainless-steel screen. Granular bentonite pellets (hydrated) were placed above the quartz sand to within 1 ft of grade. The remaining 1 ft of annular space was backfilled with sand and a 6-inch diameter steel cover and concrete pad was installed at grade. Soil vapor point construction log can be found in **Attachment B**.

Twenty-four hours following soil vapor point installation, a dry leak test was performed using helium tracer gas. All soil vapor points passed the leak test during this sampling event. Soil vapor samples were collected using 6-L summa canisters and the samples were collected over a 2-hour period. The flow controllers were set to fill the 6-L Summa® canister over a 2-hour collection period by the analytical laboratory prior to shipping. Following the 2-hour collection period, the canister valves were closed to terminate sample collection. Flow regulator ending gauge pressures and sample end times were recorded on the canister identification tags and the field sampling forms. Pertinent sample information was recorded on the associated chain-of-custody, and the canisters were repackaged into the original box. Soil vapor samples were shipped to the analytical laboratory for analysis via EPA Method TO-15.

3.4 LABORATORY ANALYSIS OF SAMPLES

All samples were submitted to Pace Analytical laboratory facility in East Longmeadow, Massachusetts for analysis. Analytical data was validated by an independent third-party data reviewer, Environmental Data Services LTD of Pittsburgh, Pennsylvania, and summarized in a Data Usability Summary Report. An electronic data deliverable was submitted to the NYSDEC EQuIS database system. Indoor air, sub-slab vapor, ambient outdoor air, and soil vapor samples were analyzed for VOCs via Method TO-15 and TO-15 SIM (for indoor air only). There was a total of 11 samples consisting of 3 indoor air samples for indoor air matrix, 3 sub-slab samples and 2 subsurface samples for soil vapor matrix, 1 outdoor air sample for ambient air matrix, plus associated 2 quality control (QC) samples. QC samples consisted of a field duplicate for indoor air and sub-slab vapor. Sample identification and associated sample quality assurance/QC can be found in **Tables 2 and 3**. All samples were submitted for analysis on a standard 10-day turnaround time requesting sample results in the most recent NYSDEC EQuIS format and any associated Category B deliverables.

4. ANALYTICAL RESULTS

Analytical data for all indoor/outdoor air and soil vapor samples and associated sample quality assurance/QC and data validation results can be found in **Tables 2 and 3** and shown on **Figure 4**. Laboratory analytical data and a validated data report is provided in **Attachment C**.

All samples were analyzed for VOCs. As indoor air and sub-slab vapor sample concentrations are screened via NYSDOH SVI decision matrices, the results are not screened within attached tables and are instead discussed briefly below. After reviewing the building inventories there were no products with ingredients that would have affected the results that EA recorded or observed.

Ambient Outdoor Air

NYSDEC and NYSDOH do not have screening criteria that apply to ambient/outdoor air for VOCs. No Site COCs were detected in the ambient outdoor air sample. It should be noted that carbon tetrachloride (which is not a site COC) was detected in the outdoor air sample, at a concentration of 0.52 µg/m^3, which is within the range of documented ambient air concentrations for New York State and nationwide[6] (0.50 – 0.72 µg/m^3). Carbon tetrachloride was also detected in all the indoor air samples. The level of this analyte that was detected in the ambient outdoor air does not trigger any action and was not detected in the sub-slab or the soil vapor samples. Analytical results can be found in **Table 2** and are illustrated on **Figure 4**.

Indoor Air Results

There are 21 analytes within the NYSDOH SVI decision matrices. Among these analytes, the following were non-detect (ND) values for all indoor air samples that were collected during this field sampling event: vinyl chloride, trichloroethene (TCE), N-hexane, *cis*-1,2-dichloroethene, and 1,1-dichloroethene. Site related COCs that were also not detected but are not included in the NYSDOH SVI decision matrices include: 1,1,2-Trichloroehtane and 1,1-Dichloroethane.

Analytes with detections but no exceedances of the lowest screening value for indoor air in the NYSDOH SVI decision matrices include: 1,1,1-trichloroethane (TCA) (0.17 J micrograms per cubic meter [µg/m^3] [IA-01]), benzene (1.4 µg/m^3 [IA-01], 0.5 µg/m^3 [IA-02], and 0.6 µg/m^3 [IA-03]), cyclohexane (0.28 µg/m^3 [IA-01], 0.17 µg/m^3 [IA-02], and 0.24 µg/m^3 [IA-03]), ethylbenzene (0.50 µg/m^3 [IA-01], 0.29 µg/m^3 [IA-02], and 0.36 µg/m^3 [IA-03]), M-xylene & P-xylene (1.3 µg/m^3 [IA-01], 0.82 µg/m^3 [IA-02], and 0.83 µg/m^3 [IA-03]) , methylene chloride (1.1 J µg/m^3 [IA-01], 0.46 µg/m^3 [IA-02], and 0.51 µg/m^3 [IA-03]), naphthalene (0.26 µg/m^3 [IA-01], 0.23 µg/m^3 [IA-02], and 0.20 µg/m^3 [IA-03]), N-heptane (1.0 µg/m^3 [IA-01], 0.56 µg/m^3 [IA-02], and 1.3 µg/m^3 [IA-03]), O-xylenes (0.64 µg/m^3 [IA-01], 0.39 µg/m^3 [IA-02], and 0.73 µg/m^3 [IA-03]), PCE (0.33 µg/m^3 [IA-01], Non-detect [IA-02], and Non-detect [IA-03]), and toluene (2.6 µg/m^3 [IA-01], 1.9 µg/m^3 [IA-02], and 2.5 µg/m^3 [IA-03]).

6 U.S. Environmental Protection Agency (EPA). 2022. Our Nation's Air: Trends through 2021. Accessed 22 May 2024. https://gispub.epa.gov/air/trendsreport/2022/#toxics

One analyte (1,3,5-trimethylbenzene [4.3 µg/m^3]) was detected at Unit 3's indoor air sample with a concentration above the lowest NYSDOH SVI screening value but when combined with the associated sub-slab vapor sample concentration the NYSDOH SVI decision matrix indicated that no further action needed to be taken.

Site related COCs that were detected but are not included in the NYSDOH SVI decision matrices include chloroethane (0.088 µg/m^3) at Unit 1's indoor air sample.

Analytes with detections above the lowest NYSDOH SVI screening value that triggered identify/monitor/mitigate included carbon tetrachloride (1.3 µg/m^3) at Unit 1 and 1,2,4-trimethylbenzene (12 µg/m^3) at Unit 3 for indoor air. However, neither of these compounds are site-related contaminants of concern (COCs) and were ND in the corresponding sub-slab samples. There were no chemicals that contained either analyte recorded in the chemical inventories for this sampling event. Both analytes are discussed in greater detail in the following paragraphs.

Carbon tetrachloride was detected in all indoor air samples along with the ambient outdoor sample. The only value that was detected at a level that triggers action (1 µg/m^3) was the concentration detected at Unit 1's indoor air sample (1.3 µg/m^3). Carbon tetrachloride has widely been used as a household spot remover, industrial degreasing agent, in dry cleaning, in fire extinguishers, and as a grain fumigant to kill insects. Carbon tetrachloride also used to be used as a refrigerant and propellant. Most of these uses have been discontinued due to the effect that carbon tetrachloride has on the ozone layer. Unit 1 is currently operating as a commercial food service and contains refrigerators and freezers, which depending on the year of production may use Carbon tetrachloride as refrigerants. This unit has a working oven, though none of the oven cleaners recorded in the building contain carbon tetrachloride. Besides the food service equipment EA did not observe any other activity that would indicate use of this chemical. Furthermore, since carbon tetrachloride was not found in the sub-slab vapor samples at the 5th Avenue Plaza, it is unlikely that this analyte is connected to site activities and there is no indication of sub-slab vapor intrusion for this analyte. However, it is possible that outdoor air concentrations of carbon tetrachloride is affecting indoor air concentrations with building tenants opening/closing doors and other exterior doors, based on similar concentrations observed between indoor and outdoor air samples.

The other analyte that was detected in concentration that triggers action within the NYSDOH SVI decision matrix is 1,2,4-trimethylbenze. 1,2,4-Trimethylbenze is not a site-related COC and was detected in three indoor air samples, though it only triggers any action in the NYSDOH decision matrix within the Unit 3's indoor air sample. 1,2,4-Trimethylbenze is not an ingredient in any of the chemicals that were inventoried as part of this investigation. 1,2,4-Trimethylbenzene is the most commonly used as a fuel additive and/or in paint thinners and lacquers. EA did not observe any equipment or activity in this or any of the businesses sampled that would indicate use of this chemical. None of the sub-slab vapor samples had a detection for 1,2,4-trimehtylbenzene. There is no indication of sub-slab vapor intrusion of 1,2,4-trimethylbenzene.

Table 2 provides the full analytical results and **Figure 4** illustrates the sample locations along with notable analytical results.

Sub-Slab Vapor Results

Among the NYSDOH SVI decision matrices analytes, the following were non-detect (ND) values for all sub-slab vapor samples that were collected during this field sampling event: 1,1-dichloroethene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, carbon tetrachloride, chloromethane, cis-1,2-dichloroethene, cyclohexane, ethylbenzene, methylene chloride, naphthalene, N-hexane, O-xylene, TCE, and vinyl chloride. Site related COCs that are not included in the NYSDOH SVI decision matrices that were also non-detect for all sub-slab vapor samples include: 1,1,2-Trichloroethane, 1,1-Dichloroethane, Chloroethane.

While there were detections of VOCs in the sub-slab soil vapor samples, none of the concentrations were at or above the lowest screening levels for NYSDOH SVI decision Matrices. The only analytes that were detected and are site related COCs and/or listed in the NYSDOH SVI decision matrices were detections of low levels of the following: PCE (0.60 J µg/m^3 [SSV-01], 0.73 µg/m^3 [SSV-02], and 6.9 µg/m^3 [SSV-03]), 1,1,1-TCA (72 J µg/m^3 [SSV-01], 1.2 µg/m^3 [SSV-02], and 5.8 µg/m^3 [SSV-03]), benzene (0.12 J µg/m^3 [SSV-01], 0.17 J µg/m^3 [SSV-02], and 0.29 J µg/m^3 [SSV-03]), m- & p- xylenes (0.46 J µg/m^3 [SSV-01], non-detect [SSV-02], and non-detect [SSV-03]), and toluene (0.65 µg/m^3 [SSV-01], 0.29 J µg/m^3 [SSV-02], and 0.48 µg/m^3 [SSV-03]), but as stated above they were below the lowest screening values listing in the NYSDOH SVI decision matrices. The results of the sub-slab air sampling do not support that SVI is occurring at this time for any of the analytes listed in the indoor air sample results. **Table 2** provides the full analytical results. Analytical results are also shown on **Figure 4**.

No other Site related COCs were detected that were not mentioned above or that were included in the NYSDOH SVI decision matrices.

Soil Vapor Results at the CVS property (1760 5th Avenue Plaza)

There are currently no NYSDEC and NYSDOH screening values associated with soil vapor to compare the results to. Site COCs that were detected in the soil vapor samples CVS-SV-1 and CVS-SV-2 were: 1,1,1-TCA (15 µg/m^3 and 230 µg/m^3, respectively), 1,1-dichloroethane (0.36 µg/m^3 and 10 µg/m^3, respectively), and TCE (14 µg/m^3 and 560 µg/m^3, respectively). PCE was detected at CVS-SV-1 and CVS-SV-2 at 1.5 µg/m^3 and 130 µg/m^3, respectively. Other detections can be found in **Table 3**. Carbon tetrachloride, which was detected indoors at the 1750 5th Avenue Plaza, was ND in both soil vapor samples on the CVS property. Similarly, 1,2,4-Trimethylbenzene that was detected in Unit 3 was detected as well; however, it was not detected above sub-slab vapor screening levels, though those screening levels do not apply to this type of sample. **Table 3** provides the full results. Analytical Results are shown on **Figure 4**.

Sincerely yours,



Kritika Thapa
Project Manager



Donald F. Conan, P.E., P.G.
Program Manager

Tables

1 Monitoring Well Gauging Data (February 2024)

2 Summary of VOCs Detected in Soil Vapor Intrusion Samples at 5th Avenue Plaza (February 2024)

3 Summary of VOCs Detected in Soil Vapor Samples at the CVS Property (February 2024)

Figures

1 Site Location

2 Site Layout

3 February 2024 Groundwater Elevation Contour Map

4 Ambient Air/Soil Vapor Sampling Analytical Results (February 2024)

Attachments

A Daily Field Reports

B Field Forms

C Analytical Data / Data Validation

Tables

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Table 1. Monitoring Well Gauging Data (February 2024)

Monitoring Well ID	Well Location	Coordinates		Coordinates		Well TOC Elevation (ft NAVD 1988)	Static Water Level (2024) (ft btoc)	Static Water Elevation (2024) (ft NAVD 1988)	Well Screen (ft btoc)	Well Depth (ft btoc)
		Latitude	Longitude	Northing (NAD 1983)	Easting (NAD 1983)					
MW-1R	On-site	40.76830000	-73.26134700	220051.821	1188852.0610	76.82	32.21	44.61	28-43	42.88
MW-3R	On-site	40.76902500	-73.26195300	220314.538	1188681.981	75.84	31.03	44.81	28-43	43.1
MW-5SR	On-site	40.76843100	-73.26176700	220098.566	1188735.324	76.22	31.56	44.66	28-38	38.26
MW-5DR	On-site	40.76843100	-73.26177500	220098.548	1188733.108	76.17	31.49	44.68	40-45	43.90
CW-01	Off-site	40.46059862	-73.15440319	220060.5009	1188607.0900	77.48	34.20	43.28	52-57	57.00
FN-19	Off-site	40.46054915	-73.15426187	220011.3581	1188716.2488	79.27	36.05	43.22	44-49	49.14

Notes:
ft = Foot (feet)
ID = Identification
BTOC = Below Top of Casing
NAD = North American Datum
NAVD = North American Vertical Datum
"--" = Not Available
Data is largely sourced from 1/31/2007 Candlewood Source Area Site Characterization and the 12/07/2022 Groundwater Monitoring and Remedial Action Update Report.

Table 2. Summary of VOCs Detected in Soil Vapor Intrusion Samples at 5th Avenue Plaza (February 2024)

	Location ID	5AVE-IA-01	5AVE-SSV-01	5AVE-IA-02	5AVE-IA-02	5AVE-SSV-02	5AVE-SSV-02	5AVE-IA-03	5AVE-SSV-03	5AVE-OA-01
	Sample Name	5AVE-IA-1-28022024	5AVE-SSV-1-28022024	5AVE-IA-2-28022024	IA-DUP-28022024	5AVE-SSV-2-28022024	SSV-DUP-28022024	5AVE-IA-3-28022024	5AVE-SSV-3-28022024	5AVE-OA-1-28022024
	Parent Sample ID				5AVE-IA-2-28022024		5AVE-SSV-2-28022024			
	Sample Matrix	Indoor Air	Sub-Slab Vapor	Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Outdoor Air
	Sample Date	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOCs (TO-15)										
1,1,1-Trichloroethane (TCA)	µg/m³	0.17 J	72	< 0.059 U	< 0.059 U	1.2	1.4	< 0.059 U	5.8	< 0.059 U
1,1,2,2-Tetrachloroethane	µg/m³	< 0.059 U	< 0.17 U	< 0.059 U	< 0.059 U	< 0.17 U	< 0.17 U	< 0.059 U	< 0.17 U	< 0.059 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m³	1.1	0.48 J	0.55 J	0.53 J	0.57 J	0.77 J	0.86 J	0.74 J	0.63 J
1,1,2-Trichloroethane	µg/m³	< 0.066 U	< 0.19 U	< 0.066 U	< 0.066 U	< 0.19 U	< 0.19 U	< 0.066 U	< 0.19 U	< 0.066 U
1,1-Dichloroethane	µg/m³	< 0.069 U	< 0.2 U	< 0.069 U	< 0.069 U	< 0.2 U	< 0.2 U	< 0.069 U	< 0.2 U	< 0.069 U
1,1-Dichloroethene	µg/m³	< 0.097 U	< 0.28 U	< 0.097 U	< 0.097 U	< 0.28 U	< 0.28 U	< 0.097 U	< 0.28 U	< 0.097 U
1,2,4-Trichlorobenzene	µg/m³	< 0.14 U	< 0.41 U	< 0.14 U	< 0.14 U	< 0.41 U	< 0.41 U	< 0.14 U	< 0.41 U	< 0.14 U
1,2,4-Trimethylbenzene	µg/m³	0.89	< 0.29 U	2.9	3.2	< 0.29 U	< 0.29 U	12	< 0.29 U	< 0.1 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/m³	< 0.17 U	< 0.48 U	< 0.17 U	< 0.17 U	< 0.48 U	< 0.48 U	< 0.17 U	< 0.48 U	< 0.17 U
1,2-Dichlorobenzene	µg/m³	< 0.073 U	< 0.21 U	< 0.073 U	< 0.073 U	< 0.21 U	< 0.21 U	< 0.073 U	< 0.21 U	< 0.073 U
1,2-Dichloroethane	µg/m³	0.056 J	< 0.15 U	0.33	0.36	< 0.15 U	< 0.15 U	0.29 J	< 0.15 U	0.10 J
1,2-Dichloropropane	µg/m³	< 0.12 U	< 0.34 U	< 0.12 U	< 0.12 U	< 0.34 U	< 0.34 U	< 0.12 U	< 0.34 U	< 0.12 U
1,2-Dichlorotetrafluoroethane	µg/m³	0.12 J	< 0.28 U	0.10 J	0.12 J	< 0.28 U	< 0.28 U	2.9	< 0.28 U	0.13 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m³	0.25	< 0.38 U	0.74	0.89	< 0.38 U	< 0.38 U	4.3	< 0.38 U	< 0.13 U
1,3-Butadiene	µg/m³	< 0.064 U	< 0.19 U	< 0.065 U	< 0.064 U	< 0.19 U	< 0.19 U	< 0.064 U	< 0.19 U	< 0.065 U
1,3-Dichlorobenzene	µg/m³	< 0.078 U	< 0.22 U	< 0.078 U	< 0.078 U	< 0.22 U	< 0.22 U	< 0.078 U	< 0.22 U	< 0.078 U
1,4-Dichlorobenzene	µg/m³	0.59	< 0.29 U	0.5	0.45	< 0.29 U	< 0.29 U	14	0.32 J	< 0.1 U
1,4-Dioxane (P-Dioxane)	µg/m³	< 0.62 U	< 1.8 U	< 0.62 U	< 0.62 U	< 1.8 U	< 1.8 U	< 0.62 U	< 1.8 U	< 0.62 U
2-Hexanone	µg/m³	0.5	< 0.18 U	0.089 J	< 0.062 U	< 0.18 U	< 0.18 U	0.43	0.41	< 0.062 U
4-Ethyltoluene	µg/m³	0.13 J	< 0.21 U	0.35	0.41	< 0.21 U	< 0.21 U	1.6	< 0.21 U	< 0.075 U
Acetone	µg/m³	24	8.6 J	44	49	24	20	58	31	11
Benzene	µg/m³	1.4	0.12 J	0.5	0.4	0.17 J	0.17 J	0.6	0.29 J	0.21
Benzyl Chloride	µg/m³	< 0.097 U	< 0.28 U	< 0.097 U	< 0.097 U	< 0.28 U	< 0.28 U	< 0.097 U	< 0.28 U	< 0.097 U
Bromodichloromethane	µg/m³	< 0.096 U	< 0.27 U	< 0.096 U	< 0.096 U	< 0.27 U	< 0.27 U	< 0.096 U	< 0.27 U	< 0.096 U
Bromoform	µg/m³	< 0.13 U	< 0.37 U	< 0.13 U	< 0.13 U	< 0.37 U	< 0.37 U	< 0.13 U	< 0.37 U	< 0.13 U
Bromomethane	µg/m³	< 0.11 U	< 0.33 U	< 0.12 U	0.12 J	< 0.33 U	< 0.33 U	< 0.11 U	< 0.33 U	< 0.12 U
Carbon Disulfide	µg/m³	< 0.21 U	< 0.6 U	< 0.21 U	< 0.21 U	< 0.6 U	< 0.6 U	< 0.21 U	< 0.6 U	< 0.21 U
Carbon Tetrachloride	µg/m³	1.3	< 0.5 U	0.5	0.44	< 0.5 U	< 0.5 U	0.44	< 0.5 U	0.52
Chlorobenzene	µg/m³	< 0.053 U	< 0.15 U	< 0.053 U	< 0.053 U	< 0.15 U	< 0.15 U	< 0.053 U	< 0.15 U	< 0.053 U
Chloroethane	µg/m³	0.088 J	< 0.24 U	< 0.084 U	< 0.084 U	< 0.24 U	< 0.24 U	< 0.084 U	< 0.24 U	< 0.084 U
Chloroform	µg/m³	1.4	6.6	0.19	0.19	30	34	0.16 J	3.8	0.25

Table 2. Summary of VOCs Detected in Soil Vapor Intrusion Samples at 5th Avenue Plaza (February 2024)

	Location ID	5AVE-IA-01	5AVE-SSV-01	5AVE-IA-02	5AVE-IA-02	5AVE-SSV-02	5AVE-SSV-02	5AVE-IA-03	5AVE-SSV-03	5AVE-OA-01
	Sample Name	5AVE-IA-1-28022024	5AVE-SSV-1-28022024	5AVE-IA-2-28022024	IA-DUP-28022024	5AVE-SSV-2-28022024	SSV-DUP-28022024	5AVE-IA-3-28022024	5AVE-SSV-3-28022024	5AVE-OA-1-28022024
	Parent Sample ID				5AVE-IA-2-28022024		5AVE-SSV-2-28022024			
	Sample Matrix	Indoor Air	Sub-Slab Vapor	Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Outdoor Air
	Sample Date	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Chloromethane (Methyl Chloride)	µg/m³	1.4	< 0.28 U	1.3	1.3	< 0.28 U	< 0.28 U	1.6	< 0.28 U	1.2
Cis-1,2-Dichloroethylene	µg/m³	< 0.067 U	< 0.19 U	< 0.067 U	< 0.067 U	< 0.19 U	< 0.19 U	< 0.067 U	< 0.19 U	< 0.067 U
Cis-1,3-Dichloropropene	µg/m³	< 0.08 U	< 0.23 U	< 0.08 U	< 0.08 U	< 0.23 U	< 0.23 U	< 0.08 U	< 0.23 U	< 0.08 U
Cyclohexane	µg/m³	0.28	< 0.27 U	0.17	0.22	< 0.27 U	< 0.27 U	0.24	< 0.27 U	0.11 J
Dibromochloromethane	µg/m³	< 0.2 U	< 0.57 U	< 0.2 U	< 0.2 U	< 0.57 U	< 0.57 U	< 0.2 U	< 0.57 U	< 0.2 U
Dichlorodifluoromethane	µg/m³	7.3	1.6	2.3	2.3	1.9	1.2 J	3.8	2.1	3.6
Ethanol	µg/m³	1600 J	49	790 J	830 J	68 J	20 J	2800 J	210 J	88 J
Ethyl Acetate	µg/m³	4.3	< 1.4 U	5.4 J	2.4 J	< 1.4 U	< 1.4 U	3.3	< 1.4 U	2.4
Ethylbenzene	µg/m³	0.5	< 0.15 U	0.29	0.25	< 0.15 U	< 0.15 U	0.36	< 0.15 U	< 0.052 U
Hexachlorobutadiene	µg/m³	< 0.21 U	< 0.61 U	< 0.21 U	< 0.21 U	< 0.61 U	< 0.61 U	< 0.21 U	< 0.61 U	< 0.21 U
Isopropanol	µg/m³	5.6	< 5.2 U	61	66	8.4 J	< 5.2 U	420 J	37	27
m- & p-Xylenes	µg/m³	1.3	0.46 J	0.82	0.71	< 0.3 U	< 0.3 U	0.83	< 0.3 U	< 0.11 U
Methyl Ethyl Ketone (2-Butanone)	µg/m³	4.8	< 5.8 U	100 J	200 J	22	< 5.8 U	14	< 5.8 U	3.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m³	< 0.076 U	< 0.22 U	< 0.076 U	< 0.076 U	< 0.22 U	< 0.22 U	< 0.076 U	< 0.22 U	< 0.076 U
Methylene Chloride	µg/m³	1.1 J	< 0.93 U	0.46 J	0.44 J	< 0.93 U	< 0.93 U	0.51 J	< 0.93 U	0.40 J
Naphthalene	µg/m³	0.26	< 0.43 U	0.23	0.31	< 0.43 U	< 0.43 U	0.2	< 0.43 U	< 0.15 U
N-Heptane	µg/m³	1	< 0.26 U	0.56	0.79	0.31 J	0.44	1.3	0.33 J	< 0.09 U
N-Hexane	µg/m³	< 2.6 U	< 7.4 U	< 2.6 U	< 2.6 U	< 7.4 U	< 7.4 U	< 2.6 U	< 7.4 U	< 2.6 U
O-Xylene (1,2-Dimethylbenzene)	µg/m³	0.64	< 0.16 U	0.39	0.38	< 0.16 U	< 0.16 U	0.73	< 0.16 U	< 0.055 U
Propylene	µg/m³	< 1.3 U	< 3.8 U	< 1.3 U	< 1.3 U	< 3.8 U	< 3.8 U	< 1.3 U	< 3.8 U	< 1.3 U
Styrene	µg/m³	0.41	< 0.33 U	1.2	1.4	< 0.33 U	< 0.33 U	0.63	< 0.33 U	< 0.12 U
Tert-Butyl Methyl Ether	µg/m³	< 0.062 U	< 0.18 U	< 0.062 U	< 0.062 U	< 0.18 U	< 0.18 U	0.078 J	< 0.18 U	< 0.062 U
Tetrachloroethylene (PCE)	µg/m³	0.33	0.60 J	< 0.2 U	< 0.2 U	0.73	0.77	< 0.2 U	6.9	< 0.2 U
Tetrahydrofuran	µg/m³	1.2	< 1.1 U	< 0.39 U	< 0.39 U	< 1.1 U	< 1.1 U	0.81 J	< 1.1 U	< 0.39 U
Toluene	µg/m³	2.6	0.65	1.9	1.8	0.29 J	0.23 J	2.5	0.48	< 0.066 U
Trans-1,2-Dichloroethene	µg/m³	< 0.065 U	< 0.19 U	< 0.065 U	< 0.065 U	< 0.19 U	< 0.19 U	< 0.065 U	< 0.19 U	< 0.065 U
Trans-1,3-Dichloropropene	µg/m³	< 0.15 U	< 0.44 U	< 0.15 U	< 0.15 U	< 0.44 U	< 0.44 U	< 0.15 U	< 0.44 U	< 0.15 U
Trichloroethylene (TCE)	µg/m³	< 0.14 U	< 0.41 U	< 0.14 U	< 0.14 U	< 0.41 U	< 0.41 U	< 0.14 U	< 0.41 U	< 0.14 U
Trichlorofluoromethane	µg/m³	1.4	1.5 J	1.2	1.2	1.4 J	1.6 J	1.4	7.6	1.3
Vinyl Acetate	µg/m³	10	1.7 J	1.5 J	2.7	1.5 J	< 1.4 U	3.1	2.0 J	< 0.5 U
Vinyl Chloride	µg/m³	< 0.045 U	< 0.13 U	< 0.045 U	< 0.0048 U	< 0.13 U	< 0.13 U	< 0.045 U	< 0.13 U	< 0.045 U

Table 2. Summary of VOCs Detected in Soil Vapor Intrusion Samples at 5th Avenue Plaza (February 2024)

	Location ID	5AVE-IA-01	5AVE-SSV-01	5AVE-IA-02	5AVE-IA-02	5AVE-SSV-02	5AVE-SSV-02	5AVE-IA-03	5AVE-SSV-03	5AVE-OA-01
	Sample Name	5AVE-IA-1-28022024	5AVE-SSV-1-28022024	5AVE-IA-2-28022024	IA-DUP-28022024	5AVE-SSV-2-28022024	SSV-DUP-28022024	5AVE-IA-3-28022024	5AVE-SSV-3-28022024	5AVE-OA-1-28022024
	Parent Sample ID				5AVE-IA-2-28022024		5AVE-SSV-2-28022024			
	Sample Matrix	Indoor Air	Sub-Slab Vapor	Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Outdoor Air
	Sample Date	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOCs (TO-15 SIM)										
1,1,2,2-Tetrachloroethane	µg/m^3	< 0.0092 U	NA	< 0.0092 U	< 0.0092 U	NA	NA	< 0.0092 U	NA	< 0.0092 U
1,1,2-Trichloroethane	µg/m^3	< 0.0048 U	NA	< 0.0049 U	< 0.0048 U	NA	NA	< 0.0048 U	NA	< 0.0049 U
1,1-Dichloroethane	µg/m^3	< 0.0095 U	NA	< 0.0095 U	< 0.0095 U	NA	NA	< 0.0095 U	NA	< 0.0095 U
1,1-Dichloroethene	µg/m^3	< 0.0053 U	NA	< 0.0053 U	< 0.0053 U	NA	NA	< 0.0053 U	NA	< 0.0053 U
1,2-Dichloroethane	µg/m^3	0.07	NA	0.31	0.34	NA	NA	0.28	NA	0.11
1,2-Dichloropropane	µg/m^3	< 0.0066 U	NA	0.032	< 0.0066 U	NA	NA	0.045	NA	< 0.0066 U
Bromodichloromethane	µg/m^3	< 0.013 U	NA	< 0.013 U	< 0.013 U	NA	NA	< 0.013 U	NA	0.075
Carbon Tetrachloride	µg/m^3	1.3	NA	0.44	0.45	NA	NA	0.42	NA	0.46
Chloroform	µg/m^3	1.4	NA	0.19	0.2	NA	NA	0.19	NA	0.25
Cis-1,2-Dichloroethylene	µg/m^3	< 0.0067 U	NA	< 0.0067 U	< 0.0067 U	NA	NA	< 0.0067 U	NA	< 0.0067 U
Cis-1,3-Dichloropropene	µg/m^3	< 0.01 U	NA	< 0.01 U	< 0.01 U	NA	NA	< 0.01 U	NA	< 0.01 U
Trans-1,2-Dichloroethene	µg/m^3	< 0.0069 U	NA	< 0.0069 U	< 0.0069 U	NA	NA	< 0.0069 U	NA	0.041
Trans-1,3-Dichloropropene	µg/m^3	< 0.021 U	NA	< 0.022 U	< 0.021 U	NA	NA	< 0.021 U	NA	< 0.022 U
Trichloroethylene (TCE)	µg/m^3	< 0.012 U	NA	< 0.012 U	< 0.012 U	NA	NA	< 0.012 U	NA	< 0.012 U
Vinyl Chloride	µg/m^3	< 0.0048 U	NA	< 0.0048 U	< 0.045 U	NA	NA	< 0.0048 U	NA	< 0.0048 U

Notes:

µg/m^3 = Microgram(s) per meter-cubed

E = Concentration exceeds calibration range

ID = Identification

J = Concentration is estimated

U = Analyte not detected

VOCs = Volatile organic compounds

NA = Analyte was not analyzed for

Table 3. Summary of VOCs Detected in Soil Vapor Samples at CVS Property (February 2024)

	Location ID	CVS-SV-01	CVS-SV-02
	Sample Name	CVS-SV-1-28022024	CVS-SV-2-28022024
	Sample Date	2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**
VOCs (TO-15)			
1,1,1-Trichloroethane (TCA)	µg/m³	15	230
1,1,2,2-Tetrachloroethane	µg/m³	< 0.17 U	< 0.17 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m³	0.49 J	0.55 J
1,1,2-Trichloroethane	µg/m³	< 0.19 U	< 0.19 U
1,1-Dichloroethane	µg/m³	0.36 J	10
1,1-Dichloroethene	µg/m³	< 0.28 U	0.34 J
1,2,4-Trichlorobenzene	µg/m³	< 0.41 U	< 0.41 U
1,2,4-Trimethylbenzene	µg/m³	6.2	7.7
1,2-Dibromoethane (Ethylene Dibromide)	µg/m³	< 0.48 U	< 0.48 U
1,2-Dichlorobenzene	µg/m³	< 0.21 U	< 0.21 U
1,2-Dichloroethane	µg/m³	< 0.15 U	< 0.15 U
1,2-Dichloropropane	µg/m³	< 0.34 U	< 0.34 U
1,2-Dichlorotetrafluoroethane	µg/m³	< 0.28 U	< 0.28 U
1,3,5-Trimethylbenzene (Mesitylene)	µg/m³	1.2	1.9
1,3-Butadiene	µg/m³	< 0.19 U	< 0.19 U
1,3-Dichlorobenzene	µg/m³	0.76	< 0.22 U
1,4-Dichlorobenzene	µg/m³	< 0.29 U	< 0.29 U
1,4-Dioxane (P-Dioxane)	µg/m³	< 1.8 U	< 1.8 U
2-Hexanone	µg/m³	< 0.18 U	< 0.18 U
4-Ethyltoluene	µg/m³	0.9	1.7
Acetone	µg/m³	21	7.8 J
Benzene	µg/m³	0.92	0.91
Benzyl Chloride	µg/m³	< 0.28 U	< 0.28 U
Bromodichloromethane	µg/m³	< 0.27 U	< 0.27 U
Bromoform	µg/m³	< 0.37 U	< 0.37 U
Bromomethane	µg/m³	< 0.33 U	< 0.33 U
Carbon Disulfide	µg/m³	0.98 J	1.5 J
Carbon Tetrachloride	µg/m³	< 0.5 U	< 0.5 U
Chlorobenzene	µg/m³	< 0.15 U	< 0.15 U
Chloroethane	µg/m³	< 0.24 U	< 0.24 U
Chloroform	µg/m³	0.71	2
Chloromethane (Methyl Chloride)	µg/m³	< 0.28 U	< 0.28 U
Cis-1,2-Dichloroethylene	µg/m³	< 0.19 U	7.2
Cis-1,3-Dichloropropene	µg/m³	< 0.23 U	< 0.23 U
Cyclohexane	µg/m³	0.33 J	< 0.27 U
Dibromochloromethane	µg/m³	< 0.57 U	< 0.57 U
Dichlorodifluoromethane	µg/m³	2.2	2.6
Ethanol	µg/m³	130	< 5 U
Ethyl Acetate	µg/m³	< 1.4 U	< 1.4 U
Ethylbenzene	µg/m³	1.2	2.7
Hexachlorobutadiene	µg/m³	< 0.61 U	< 0.61 U
Isopropanol	µg/m³	18	< 5.2 U
M,P-Xylene (Sum Of Isomers)	µg/m³	4.2	8.9
Methyl Ethyl Ketone (2-Butanone)	µg/m³	6.5 J	< 5.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m³	< 0.22 U	< 0.22 U
Methylene Chloride	µg/m³	< 0.93 U	< 0.93 U
Naphthalene	µg/m³	0.91	4.3
N-Heptane	µg/m³	1	1.9
N-Hexane	µg/m³	< 7.4 U	< 7.4 U
O-Xylene (1,2-Dimethylbenzene)	µg/m³	1.9	3.9
Propylene	µg/m³	< 3.8 U	< 3.8 U
Styrene	µg/m³	0.38 J	< 0.33 U
Tert-Butyl Methyl Ether	µg/m³	< 0.18 U	< 0.18 U
Tetrachloroethylene (PCE)	µg/m³	1.5	130
Tetrahydrofuran	µg/m³	< 1.1 U	< 1.1 U
Toluene	µg/m³	5.7	4.1
Trans-1,2-Dichloroethene	µg/m³	< 0.19 U	0.65
Trans-1,3-Dichloropropene	µg/m³	< 0.44 U	< 0.44 U
Trichloroethylene (TCE)	µg/m³	14	560
Trichlorofluoromethane	µg/m³	1.6 J	4.7
Vinyl Acetate	µg/m³	2.5 J	1.9 J
Vinyl Chloride	µg/m³	< 0.13 U	< 0.13 U

Notes:

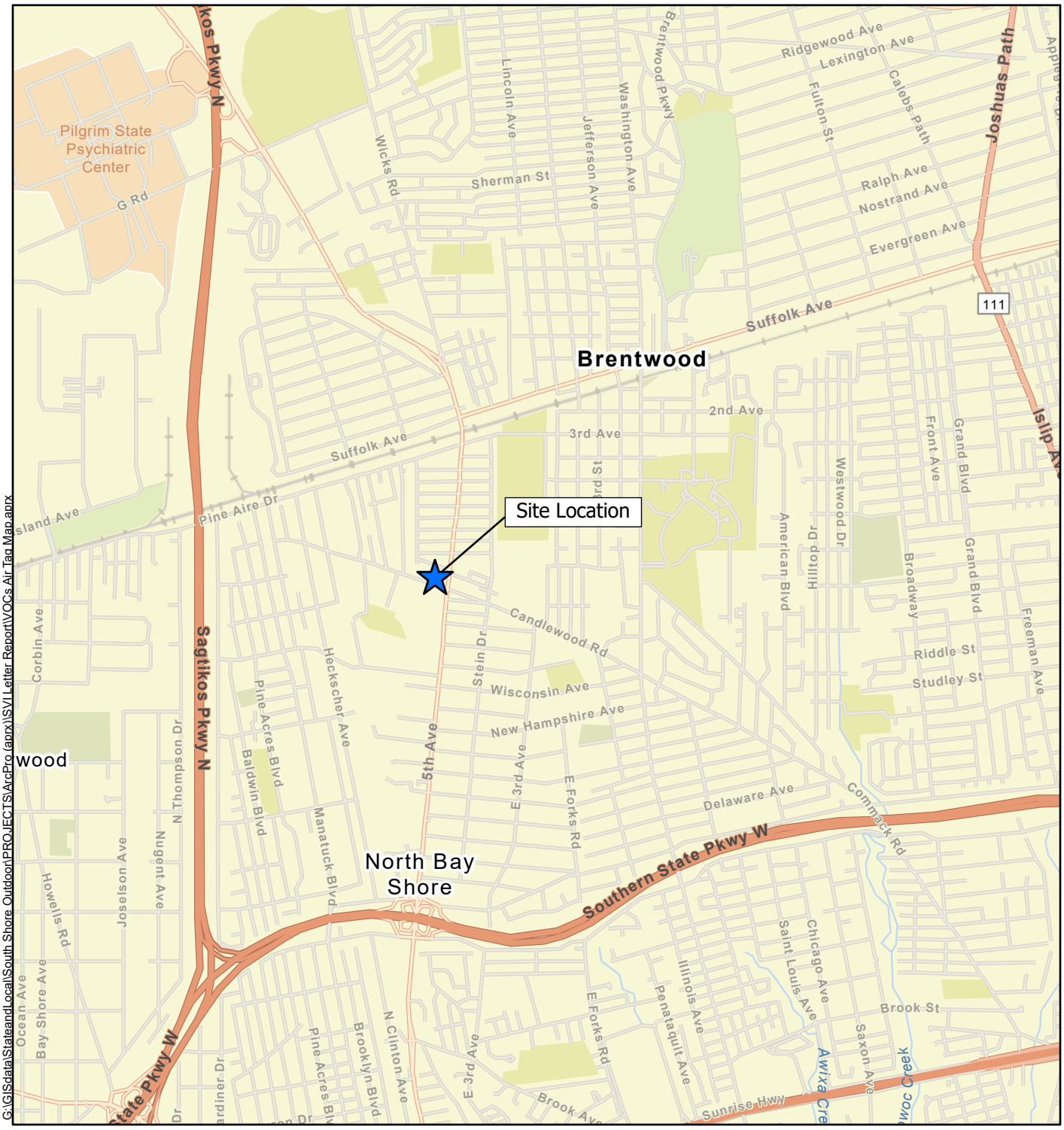
µg/m³ = Microgram(s) per meter-cubed
J = Concentration is estimated
NSL = No screening level available
U = Analyte not detected
VOCs = Volatile organic compounds

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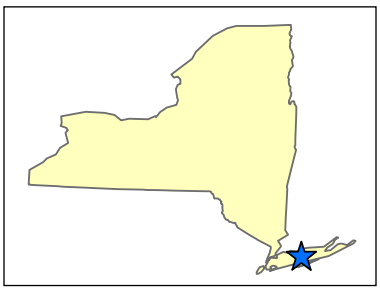
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Figures

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Figure 1
Site Location

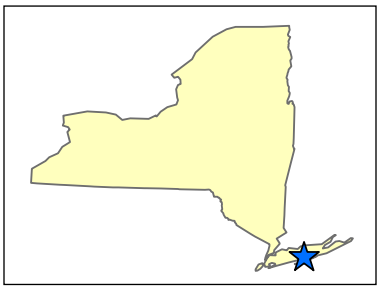
South Shore Outdoor-Off-Site Property
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 4/24/2024
Projection: NAD83 State Plane New York Long Island

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- Site Location
- Site Boundary
- Monitoring Well

Air Sampling Locations

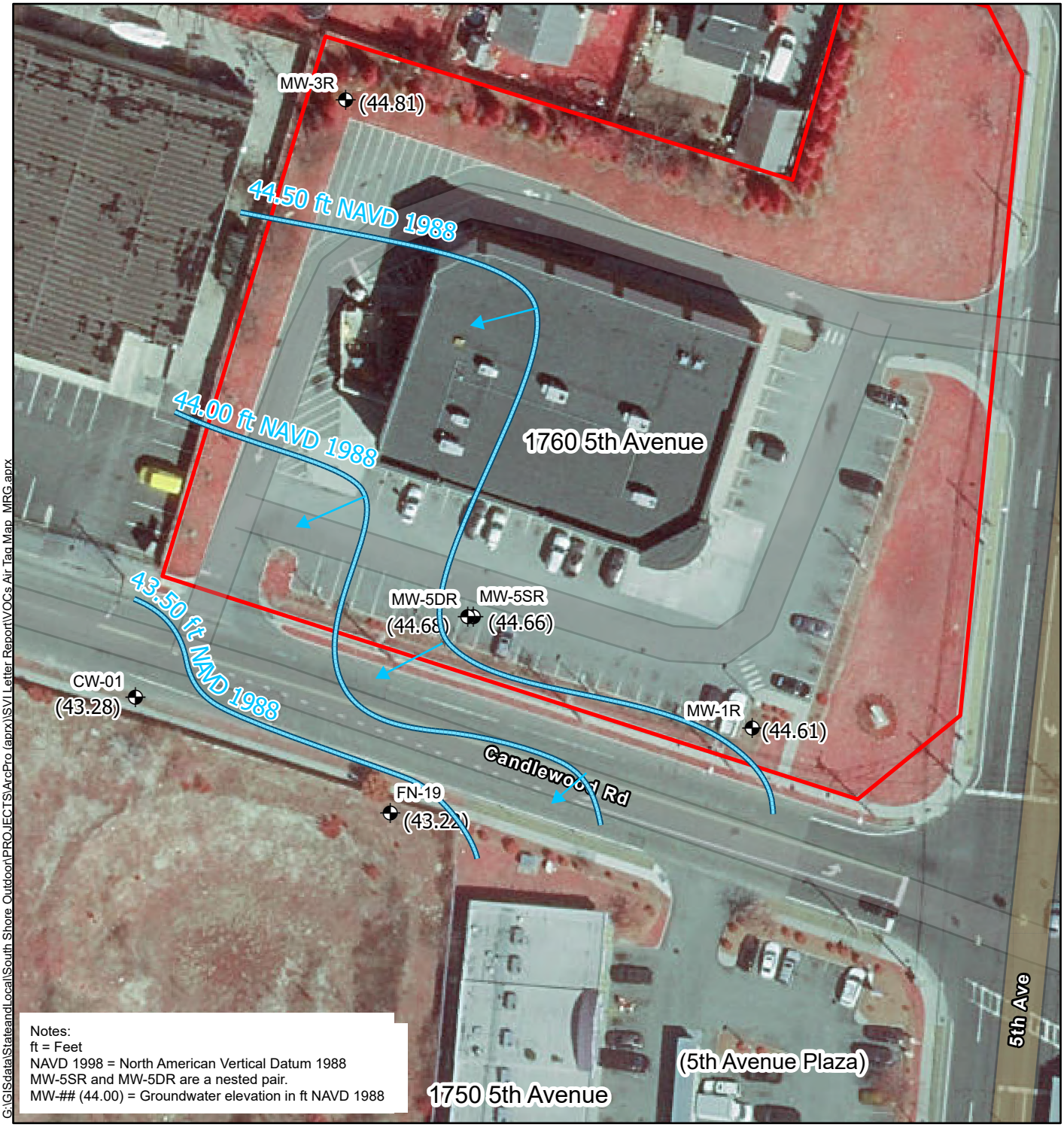
- Indoor Air Sample
- Outdoor Air Sample
- Previous Soil Vapor Sample
- Soil Vapor Sample
- Sub-Slab Soil Vapor Sample

Figure 2
Site Layout

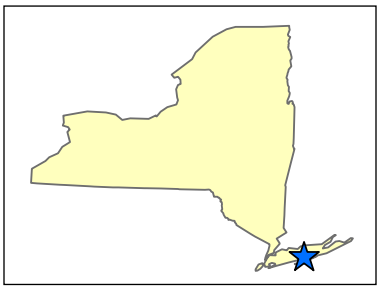
South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 5/20/2024
Projection: NAD83 State Plane New York Long Island

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Feet

Legend

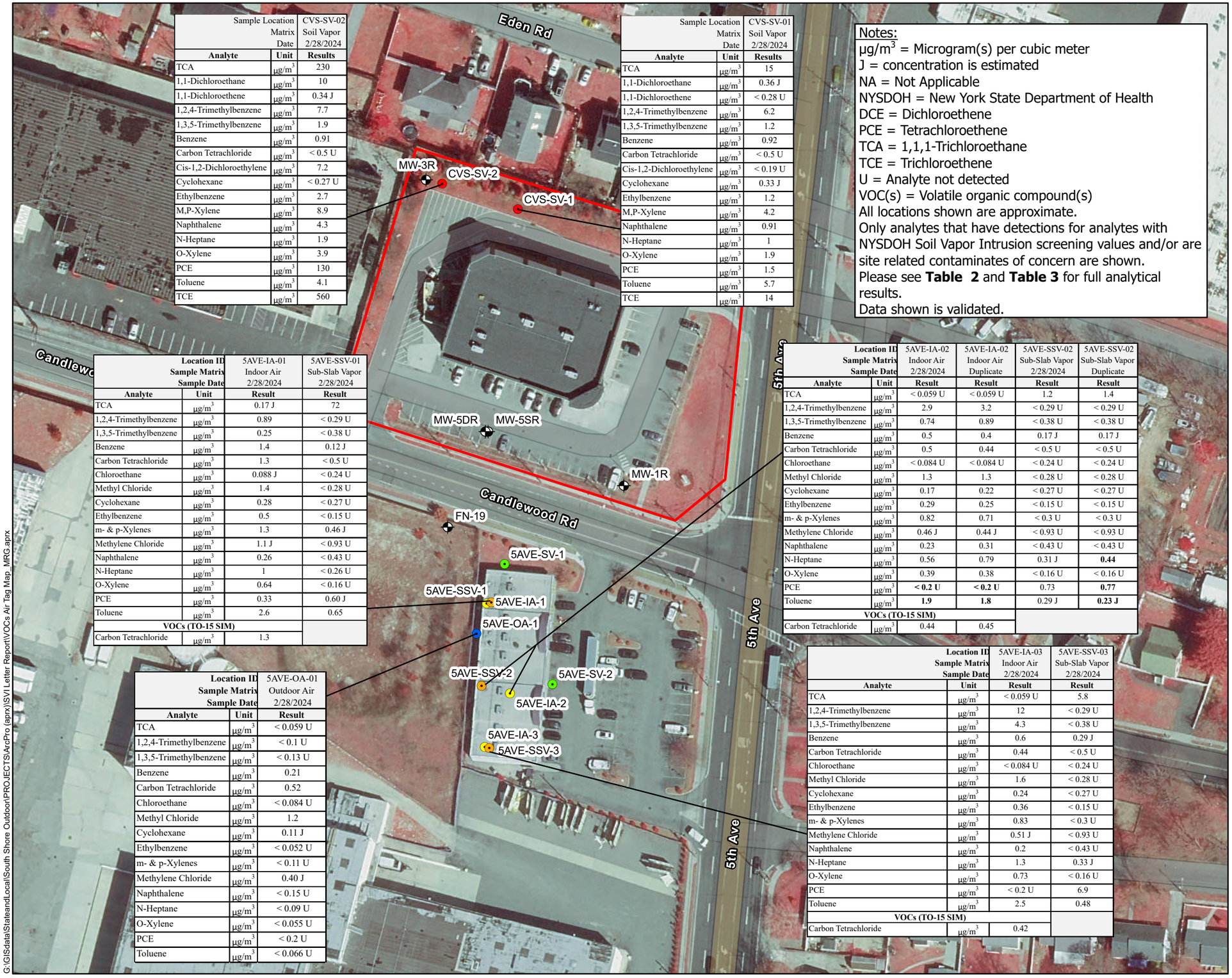
- Site Location
- Monitoring Well
- Site Boundary
- Groundwater Elevation Contours
- Groundwater Flow Direction

Figure 3
February 2024 Groundwater Elevation Contour Map

South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

Map Date: 8/5/2024
Projection: NAD83 State Plane New York Long Island

NEW YORK STATE | Department of Environmental Conservation



Sample Location		CVS-SV-02
Matrix		Soil Vapor
Date		2/28/2024
Analyte	**Unit**	**Results**
TCA	µg/m³	230
1,1-Dichloroethane	µg/m³	10
1,1-Dichloroethene	µg/m³	0.34 J
1,2,4-Trimethylbenzene	µg/m³	7.7
1,3,5-Trimethylbenzene	µg/m³	1.9
Benzene	µg/m³	0.91
Carbon Tetrachloride	µg/m³	< 0.5 U
Cis-1,2-Dichloroethylene	µg/m³	7.2
Cyclohexane	µg/m³	< 0.27 U
Ethylbenzene	µg/m³	2.7
M,P-Xylene	µg/m³	8.9
Naphthalene	µg/m³	4.3
N-Heptane	µg/m³	1.9
O-Xylene	µg/m³	3.9
PCE	µg/m³	130
Toluene	µg/m³	4.1
TCE	µg/m³	560

Sample Location		CVS-SV-01
Matrix		Soil Vapor
Date		2/28/2024
Analyte	**Unit**	**Results**
TCA	µg/m³	15
1,1-Dichloroethane	µg/m³	0.36 J
1,1-Dichloroethene	µg/m³	< 0.28 U
1,2,4-Trimethylbenzene	µg/m³	6.2
1,3,5-Trimethylbenzene	µg/m³	1.2
Benzene	µg/m³	0.92
Carbon Tetrachloride	µg/m³	< 0.5 U
Cis-1,2-Dichloroethylene	µg/m³	< 0.19 U
Cyclohexane	µg/m³	0.33 J
Ethylbenzene	µg/m³	1.2
M,P-Xylene	µg/m³	4.2
Naphthalene	µg/m³	0.91
N-Heptane	µg/m³	1
O-Xylene	µg/m³	1.9
PCE	µg/m³	1.5
Toluene	µg/m³	5.7
TCE	µg/m³	14

Notes:

µg/m³ = Microgram(s) per cubic meter
J = concentration is estimated
NA = Not Applicable
NYSDOH = New York State Department of Health
DCE = Dichloroethene
PCE = Tetrachloroethene
TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
U = Analyte not detected
VOC(s) = Volatile organic compound(s)
All locations shown are approximate.
Only analytes that have detections for analytes with NYSDOH Soil Vapor Intrusion screening values and/or are site related contaminates of concern are shown.
Please see **Table 2** and **Table 3** for full analytical results.
Data shown is validated.

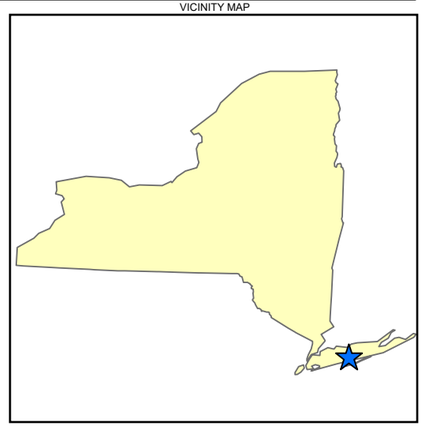
Location ID		5AVE-IA-01	5AVE-SSV-01
Sample Matrix		Indoor Air	Sub-Slab Vapor
Sample Date		2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**
TCA	µg/m³	0.17 J	72
1,2,4-Trimethylbenzene	µg/m³	0.89	< 0.29 U
1,3,5-Trimethylbenzene	µg/m³	0.25	< 0.38 U
Benzene	µg/m³	1.4	0.12 J
Carbon Tetrachloride	µg/m³	1.3	< 0.5 U
Chloroethane	µg/m³	0.088 J	< 0.24 U
Methyl Chloride	µg/m³	1.4	< 0.28 U
Cyclohexane	µg/m³	0.28	< 0.27 U
Ethylbenzene	µg/m³	0.5	< 0.15 U
m- & p-Xylenes	µg/m³	1.3	0.46 J
Methylene Chloride	µg/m³	1.1 J	< 0.93 U
Naphthalene	µg/m³	0.26	< 0.43 U
N-Heptane	µg/m³	1	< 0.26 U
O-Xylene	µg/m³	0.64	< 0.16 U
PCE	µg/m³	0.33	0.60 J
Toluene	µg/m³	2.6	0.65
VOCs (TO-15 SIM)			
Carbon Tetrachloride	µg/m³	1.3	

Location ID		5AVE-IA-02	5AVE-IA-02	5AVE-SSV-02	5AVE-SSV-02
Sample Matrix		Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor
Sample Date		2/28/2024	Duplicate	2/28/2024	Duplicate
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**
TCA	µg/m³	< 0.059 U	< 0.059 U	1.2	1.4
1,2,4-Trimethylbenzene	µg/m³	2.9	3.2	< 0.29 U	< 0.29 U
1,3,5-Trimethylbenzene	µg/m³	0.74	0.89	< 0.38 U	< 0.38 U
Benzene	µg/m³	0.5	0.4	0.17 J	0.17 J
Carbon Tetrachloride	µg/m³	0.5	0.44	< 0.5 U	< 0.5 U
Chloroethane	µg/m³	< 0.084 U	< 0.084 U	< 0.24 U	< 0.24 U
Methyl Chloride	µg/m³	1.3	1.3	< 0.28 U	< 0.28 U
Cyclohexane	µg/m³	0.17	0.22	< 0.27 U	< 0.27 U
Ethylbenzene	µg/m³	0.29	0.25	< 0.15 U	< 0.15 U
m- & p-Xylenes	µg/m³	0.82	0.71	< 0.3 U	< 0.3 U
Methylene Chloride	µg/m³	0.46 J	0.44 J	< 0.93 U	< 0.93 U
Naphthalene	µg/m³	0.23	0.31	< 0.43 U	< 0.43 U
N-Heptane	µg/m³	0.56	0.79	0.31 J	**0.44**
O-Xylene	µg/m³	0.39	0.38	< 0.16 U	< 0.16 U
PCE	µg/m³	**< 0.2 U**	**< 0.2 U**	0.73	**0.77**
Toluene	µg/m³	**1.9**	**1.8**	0.29 J	**0.23 J**
VOCs (TO-15 SIM)					
Carbon Tetrachloride	µg/m³	0.44	0.45		

Location ID		5AVE-OA-01
Sample Matrix		Outdoor Air
Sample Date		2/28/2024
Analyte	**Unit**	**Result**
TCA	µg/m³	< 0.059 U
1,2,4-Trimethylbenzene	µg/m³	< 0.1 U
1,3,5-Trimethylbenzene	µg/m³	< 0.13 U
Benzene	µg/m³	0.21
Carbon Tetrachloride	µg/m³	0.52
Chloroethane	µg/m³	< 0.084 U
Methyl Chloride	µg/m³	1.2
Cyclohexane	µg/m³	0.11 J
Ethylbenzene	µg/m³	< 0.052 U
m- & p-Xylenes	µg/m³	< 0.11 U
Methylene Chloride	µg/m³	0.40 J
Naphthalene	µg/m³	< 0.15 U
N-Heptane	µg/m³	< 0.09 U
O-Xylene	µg/m³	< 0.055 U
PCE	µg/m³	< 0.2 U
Toluene	µg/m³	< 0.066 U

Location ID		5AVE-IA-03	5AVE-SSV-03
Sample Matrix		Indoor Air	Sub-Slab Vapor
Sample Date		2/28/2024	2/28/2024
Analyte	**Unit**	**Result**	**Result**
TCA	µg/m³	< 0.059 U	5.8
1,2,4-Trimethylbenzene	µg/m³	12	< 0.29 U
1,3,5-Trimethylbenzene	µg/m³	4.3	< 0.38 U
Benzene	µg/m³	0.6	0.29 J
Carbon Tetrachloride	µg/m³	0.44	< 0.5 U
Chloroethane	µg/m³	< 0.084 U	< 0.24 U
Methyl Chloride	µg/m³	1.6	< 0.28 U
Cyclohexane	µg/m³	0.24	< 0.27 U
Ethylbenzene	µg/m³	0.36	< 0.15 U
m- & p-Xylenes	µg/m³	0.83	< 0.3 U
Methylene Chloride	µg/m³	0.51 J	< 0.93 U
Naphthalene	µg/m³	0.2	< 0.43 U
N-Heptane	µg/m³	1.3	0.33 J
O-Xylene	µg/m³	0.73	< 0.16 U
PCE	µg/m³	< 0.2 U	6.9
Toluene	µg/m³	2.5	0.48
VOCs (TO-15 SIM)			
Carbon Tetrachloride	µg/m³	0.42	

VICINITY MAP



Legend

- Site Location
- Site Boundary
- Monitoring Well

Air Sampling Locations

- Indoor Air Sample
- Outdoor Air Sample
- Previous Soil Vapor Sample
- Soil Vapor Sample
- Sub-Slab Soil Vapor Sample

Map Date: 7/25/2024
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 65 130
Feet

NEW YORK STATE Department of Environmental Conservation

Figure 4
Air Sampling
Analytical Results (February 2024)
South Shore Outdoor-Off-Site
(NYSDEC Site No. C152228A)
Bay Shore, NY

G:\GIS\data\State\and\Local\South Shore Outdoor\PROJECTS\ArcPro (aprx)\SVI Letter Report\VOCs Air Tag Map_MRG.aprx

Attachment A

Daily Field Reports

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DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Tuesday Date: 27 February 2024

Temperature: (F) 54 F

Wind Direction: S, 13 mph
Weather: Clear and sunny

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 1200 (pm)

Leave site: 0500 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Vehicular safety
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Installed soil vapor points (SVPs) at CVS-SV-1 and CVS-SV-02 utilizing direct push methods.
- Gauging of on-site and off-site monitoring wells (MW-1R, MW-3R, MW-5SR, MW-5DR, CW-01, and FN-19).
- Check-in with the tenants at 5th Ave Plaza with proposed sampling locations.

Soil Vapor Point Installation and Sampling

- Both points were drilled to a target depth of 10 ft below ground surface (bgs) and an SVP was installed with a 6-inch stainless steel sampling screen from 9.5-10 ft bgs.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Moriah Gilkey and Katie Cassidy

Onsite from 1200 to 1700

AARCO personnel: Selvin Hernandez and helper

Onsite from 1200 to 1330

EA equipment: PID, water level meter.

(*Indicates active equipment)

VISITORS TO SITE:

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Tuesday Date: 27 February 2024

PROJECT SCHEDULE ISSUES:

See comments below.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

When EA contacted 5th Avenue Plaza tenants about air sampling none of them had been informed. One tenant said that they did not want any work performed in this store. EA provided all tenants with contact info for the field crew and EA and NYSDEC PM. EA contacted the property management team to make sure that the tenants were informed about the work happening.

COMMENTS:

EA will be conducting soil vapor sampling at the newly installed SVPs after a leak test, and perform sub-slab point installation/sampling and indoor/outdoor air sampling at the 5th Avenue Plaza the following day.

ATTACHMENT(S) TO THIS REPORT:

Site photos

SITE REPRESENTATIVE:

Name: Moriah Gilkey

Day: Tuesday Date: 27 February 2024

Photolog



Completed CVS-SV-1 (wet concrete)



Completed CVS-SV-2 (wet concrete)

Day: Tuesday Date: 27 February 2024



Location of CVS-SV-2



Barbed wire near FN-19

Day: Tuesday Date: 27 February 2024



Location and condition of CN-1

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Wednesday Date: 28 February 2024

Temperature: (F) 54 F

Wind Direction: SSW, 19 mph
Weather: Rain/Cloudy

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0815 (am)

Leave site: 0945 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Vehicular safety
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Installed a sub-slab vapor point in three businesses – Dunkin' Donuts, a vacant cigar shop, and Caballeritas Variedad (El Salvador Variety Shop).
- Leak tested all sub-slab points at 5th Ave Plaza. All points passed the leak test on first try.
- Sampled sub-slab vapor, indoor air and outdoor air at the 5th Ave Plaza using 9 6L summa canisters total with 8- hour regulators. Indoor air duplicate and the sub slab soil vapor duplicate were taken at 5AVE-IA-2 and 5AVE-SSV-2 respectively.
- Repaired sub-slab points after sampling with fast setting concrete.
- Leak tested the soil vapor points at the CVS property. Both soil vapor points passed the leak test.
- Sampled the soil vapor points at the CVS property using two 6L summa canisters with 2-hour regulators.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Moriah Gilkey and Katie Cassidy
Onsite from 0800 to 2145

EA equipment: PID, water level meter. Helium detector, Gil air pump, Fluke
(*Indicates active equipment)

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Wednesday Date: 28 February 2024

VISITORS TO SITE:

PROJECT SCHEDULE ISSUES:

See comments below.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

COMMENTS:

The first point that was drilled at the vacant cigar shop had a blockage about 4” down – EA attempted to clear but tubing would not continue to ground surface. EA patched the hole and redrilled in a different location. The second location at the vacant cigar shop was successful. Pictures below.

ATTACHMENT(S) TO THIS REPORT:

Site photos

SITE REPRESENTATIVE:

Name: Moriah Gilkey

Day: Wednesday Date: 28 February 2024

Photolog



First Location at the vacant cigar shop that was unsuccesful (patched)



Patched second point at the vacant cigar shop after sampling

Day: Wednesday Date: 28 February 2024



Sub-slab set up at the El Salvador Variety Shop



Sub-slab set up at Dunkin

Day: Wednesday Date: 28 February 2024



Soil vapor point at CVS (CVS-SV-1)



Soil Vapor point at CVS (CVS-SV-2)

Day: Wednesday Date: 28 February 2024



Patched point at El Salvador Variety Shop after sampling



Patched point at Dunkin' after sampling

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Attachment B

Field Forms

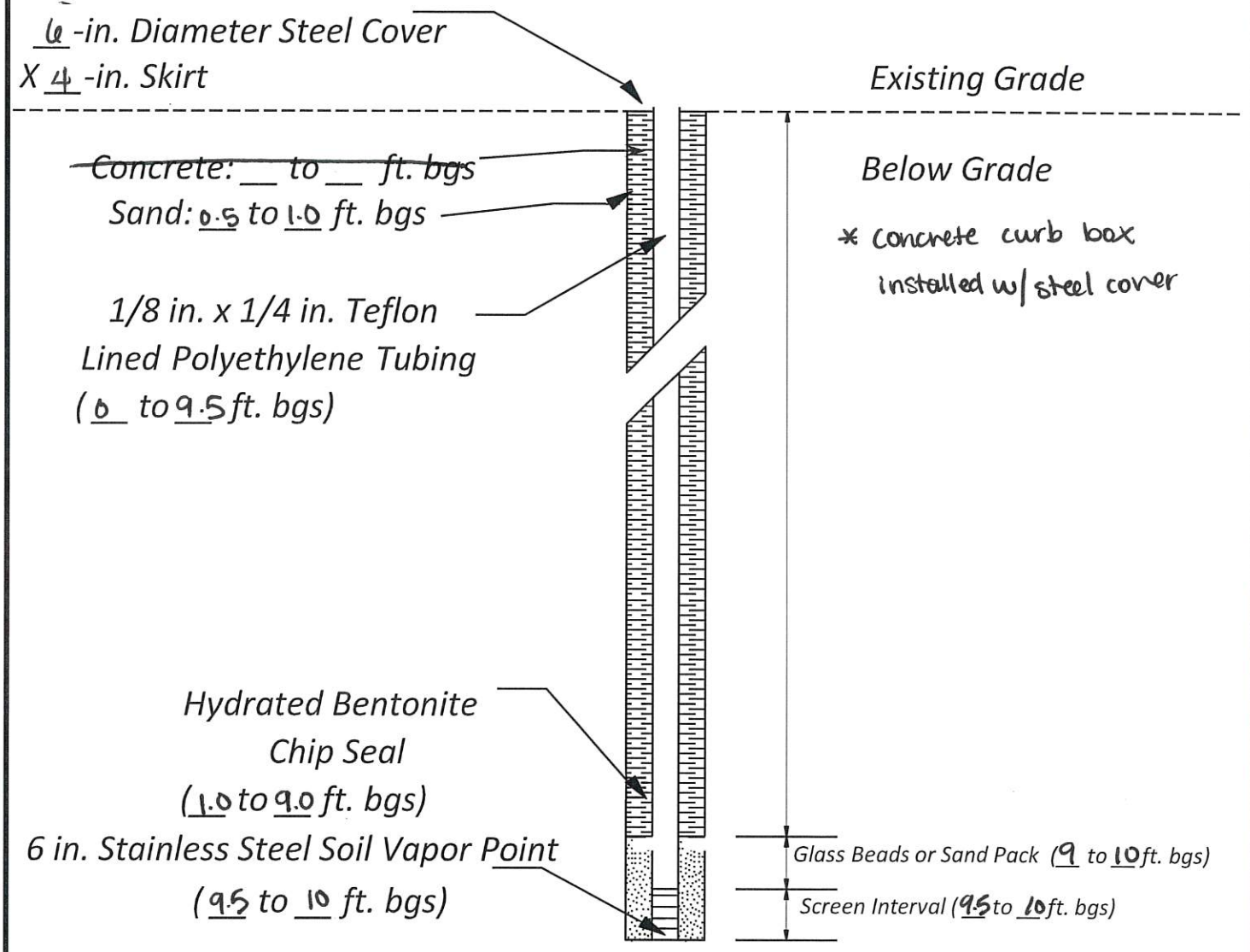
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FIELD CALIBRATION FORM

Site Name: South Shore Outdoor

INSTRUMENT: Honeywell MiniRAE	INSTRUMENT ID No: 48919
OPERATOR: M. Gilkey	WEATHER: 54°F; Sun; 13 mph S
SPAN GAS TYPE: Isobutylene	DATE: 02/27/24
CALIBRATION NOTES:	
Span: 100.0 ppm	
zero: 0.0 ppm	
COMMENTS:	
SIGNATURE:	DATE: 2/27/24

Soil Vapor Point Construction Diagram



2 -in. diameter borehole

Total Depth of Soil vapor sampler set at 10 ft bgs or — ft above water table.

Permanent SV Point

CVS-SV-01

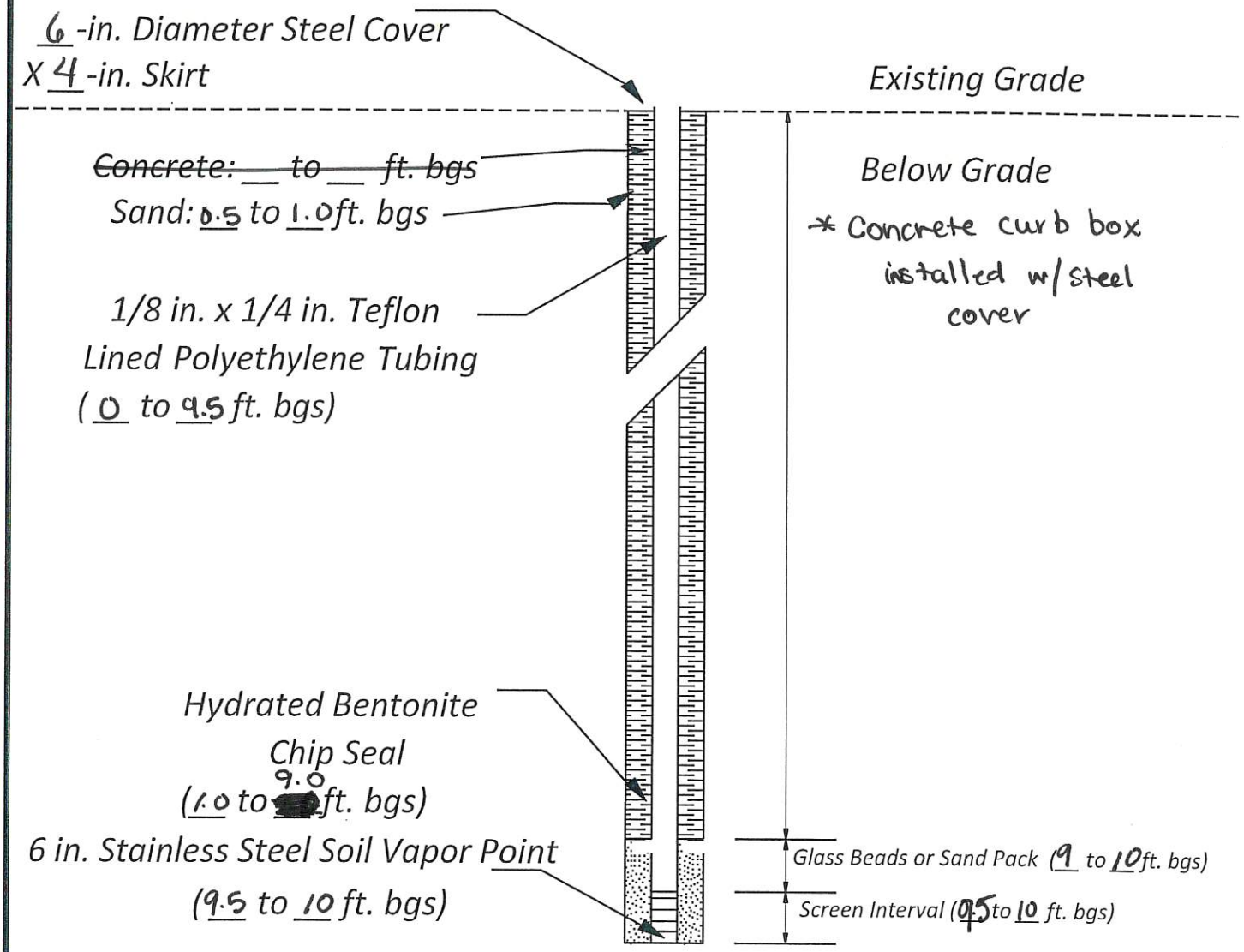
New York State Department of Environmental Conservation
Contract No:
Site: Southshore Outdoor
Logged by: M. Gilkey
Drilling Contractor: Aarco
Driller: Selvin

Date: 2·28·2024

SVP-__
~~Temporary~~ Soil Vapor Point Construction Diagram

NEW YORK STATE | Department of Environmental Conservation

Soil Vapor Point Construction Diagram



2 -in. diameter borehole

Total Depth of Soil vapor sampler set at 10 ft bgs or — ft above water table.

Permanent SV Point

CVS-SV-2

New York State Department of Environmental Conservation
Contract No: _____
Site: Southshore Outdoor
Logged by: M. Cullkey
Drilling Contractor: Aarco
Driller: Selvin.

Date: 2·28·2024

SVP- __
~~*Temporary*~~ *Soil Vapor Point Construction Diagram*

NEW YORK STATE | Department of Environmental Conservation

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228A
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Krithika Thapa

Sample Location Information:

Site ID Number:	NYSDEC # 152228A EA# 160253'3	Sampler(s):	M. Gilkey / K. Cussidy
PID Meter Used (Model, Serial #):	Honeywell MiniRae 3000	Soil Vapor I.D. No.:	CVS-SV-2

SUMMA Canister Record:

SOIL VAPOR POINT		DUPLICATE SAMPLE (IF COLLECTED)	
Flow Regulator No.:	4402	Flow Regulator No.:	
Canister Serial No.:	1304	Canister Serial No.:	
Start Date/Time:	2/28/24, 1417	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	2/28/24, 1618	Stop Date/Time:	
Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	
Sample ID: CVS-SV-02		Sample ID:	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	32%	Depth to sample point:	~9.5 ft to screen
Tracer Gas test result (% of Helium):	0.0%	Nearest Groundwater Elevation:	~30 ft bTOC
Noticeable Odor?	No	Additional info:	
Purge Volume PID Reading (ppb)	0.0 ppm		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	~54°F		
Wind Direction:	1 amph SSE		

Comments:

He Peak = 32.0% (in shroud)
He in bag = 0.0%
Leak test passed.
PID in bag = 0.0 ppm

Sampler Signature: M Gilkey

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228A
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information:

Site ID Number:	NYSDEC 152228A EA 16028333	Sampler(s):	M. Gilkey / K. Cassidy
PID Meter Used (Model, Serial #):	Honeywell miniRAE +3000	Soil Vapor I.D. No.:	CVS-SV-1

SUMMA Canister Record:

	SOIL VAPOR POINT	DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	~~3186~~ 4446	
Canister Serial No.:	~~2203~~ 1984	
Start Date/Time:	2/28/24 1428	
Start Pressure: (inches Hg)	-29 (NG)	
Stop Date/Time:	2/28/24 ~~1423~~ 1623	
Stop Pressure: (inches Hg)	-5	
Sample ID:	CVS-SV-1	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	27.5%	Depth to sample point:	~9.5ft to screen
Tracer Gas test result (% of Helium):	0.0	Nearest Groundwater Elevation:	~30 ft bTOC
Noticeable Odor?	NO	Additional info:	
Purge Volume PID Reading (ppb)	0.0		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	~54°F		
Wind Direction:	19mph SSW		

Comments:

He peak in shroud = 27.5%
He in bag = 0.0%
Leak test passed
PID in bag = 0.0 ppm

Sampler Signature: Mark Gilkey

2

INDOOR AIR SAMPLING FORM

Project No. 152228A
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information:

Site ID Number:	NYSDEC (152228A) EA(1602533)	Sampler(s):	M. Gilkay / K. Cassidy
PID Meter Used: (Model, Serial #)	Honeywell MiniRAE	Building I.D. No.:	1750 5th Ave (middle Shop)

SUMMA Canister Record:

	INDOOR AIR - FIRST FLOOR	INDOOR AIR - BASEMENT	SUBSLAB SOIL GAS	OUTDOOR AIR
Flow Regulator No.	5096		5082	3559
Canister Serial No.	1966		2023	2197
Start Date/Time:	2/28/24 1103		2/28/24 1055	2/28/24 1024
Start Pressure: (inches Hg)	-28		-30	-29
Stop Date/Time:	2/28/24 1830		2/28/24 1834	2/28/24 1822
Stop Pressure: (inches Hg)	-9		-8	-9 "Hg
Sample ID:	SAVE-IA-2		SAVE-~~SSV~~ SSV-02	SAVE-OA-1

Other Sampling Information:

Story/Level	First Floor	Basement or Crawl Space?	No	Direction from Building	West
Room	Show Room	Floor Slab Thickness (inches) *[if present]*	~6"	Distance from Building	~2 ft
Indoor Air Temp (°F)	~70° F	Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	3 ft
Barometric Pressure?	29.31 "Hg	Ground Surface Condition (Crawl Space Only)	NA	Intake Tubing Used?	No
Intake Height Above Floor Level (ft.)	~5.5 ft	If slab, intake Depth If Crawl Space, intake height	6" below slab	Distance to nearest Roadway	
Noticeable Odor?	Yes (See Notes)	Noticeable Odor?	No	Noticeable Odor?	Garbage
PID Reading (ppb)	0.1 ppm	PID Reading (ppb)	0.0	PID Reading (ppb)	0.0
Duplicate Sample?	Yes	Duplicate Sample?	Yes	Duplicate Sample?	No

Comments:

SSV leak Test
He peak in Shourd = 34.8%
He in bag = 0.0 ppb
Leak test passed
PID in bag = 0.0 ppm

Dup taken @ IA & SSV location

SSV DUP
ID: SSV-DUP-28022024
Canister ID: 1741
Regulator ID: 5082

IA DUP
ID: IA-DUP-28022024
Canister ID: 1938
Regulator: 5096

Sampler Signature:

* Building has no cleaning supplies but has new composite flooring you can smell (known to release formedehyde)

INDOOR AIR SAMPLING FORM

Project No. 160253
Project Name: South Shore outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information: Variety Store

Site ID Number:	NYSDEC C152224 EA# 160253J	Sampler(s):	M. Gilkey / K. Cassiday
PID Meter Used: (Model, Serial #)	Honeywell Mini RAE 3000+	Building I.D. No.:	1750 5TH AVE

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	3160	Flow Regulator No.		Flow Regulator No.	3336	Flow Regulator No.	
Canister Serial No.	10576	Canister Serial No.:		Canister Serial No.:	1982	Canister Serial No.:	
Start Date/Time:	2/28/24, 1137	Start Date/Time:		Start Date/Time:	2/28/24, 1134	Start Date/Time:	
Start Pressure: (inches Hg)	-31	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-31	Start Pressure: (inches Hg)	
Stop Date/Time:	2/28/24, 1938	Stop Date/Time:		Stop ~~Date/Time~~ Pressure	-10	Stop Date/Time:	
Stop Pressure: (inches Hg)	-11	Stop Pressure: (inches Hg)		Stop ~~Pressure~~ Time (inches Hg)	2/28/24 1932	Stop Pressure: (inches Hg)	
Sample ID:	SAVE-IA-~~03~~	Sample ID:		Sample ID:	SAVE-SV-~~03~~	Sample ID:	

Other Sampling Information:

Story/Level	1st	Story/Level		Basement or Crawl Space?	Na	Direction from Building	
Room	Back room/ office	Room		Floor Slab Thickness (inches) *[if present]*	6"	Distance from Building	
Indoor Air Temp (°F)	~70	Indoor Air Temp		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	
Barometric Pressure?	29.31	Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	Na	Intake Tubing Used?	
Intake Height Above Floor Level (ft.)	~5ft	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height	~6" belowgrade	Distance to nearest Roadway	
Noticeable Odor?	No	Noticeable Odor?		Noticeable Odor?	No	Noticeable Odor?	
PID Reading (ppb)	0.0	PID Reading (ppb)		PID Reading (ppb)	0.0	PID Reading (ppb)	
Duplicate Sample?	No	Duplicate Sample?		Duplicate Sample?	No	Duplicate Sample?	

Comments:

Peak Helium in Shroud = 33.8%
Helium in bag = 0
Leak test passed
PID in bag = 0.1 ppm
Indoor air gauge is cracked, but working.

Sampler Signature:

INDOOR AIR SAMPLING FORM

Project No.: 16025533
Project Name: South Shore outdoor
Location: Bayshore, NY
Project Manager: Kritika Thapa

Sample Location Information: Dunkin'

Site ID Number:	NYSDEC C152228A EA#16025533	Sampler(s):	M. Gilkey / K. Cassidy
PID Meter Used: (Model, Serial #)	Honeywell MiniRae 3000+	Building I.D. No.:	1750 5th Ave

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	8561	Flow Regulator No.		Flow Regulator No.	3085	Flow Regulator No.	
Canister Serial No.	1961	Canister Serial No.:		Canister Serial No.:	1236	Canister Serial No.:	
Start Date/Time:	2/28/24, 1225	Start Date/Time:		Start Date/Time:	2/28/24, 1222	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	2/28/24 2051	Stop Date/Time:		Stop Date/Time:	2/28/24 2053	Stop Date/Time:	
Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	
Sample ID:	SAVE-1A-1	Sample ID:		Sample ID:	SAVE-SSV-1	Sample ID:	

Other Sampling Information:

Story/Level	1st	Story/Level		Basement or Crawl Space?	NA	Direction from Building	
Room	Exit Hallway	Room		Floor Slab Thickness (inches) *[if present]*	12"	Distance from Building	
Indoor Air Temp (°F)	~70° F	Indoor Air Temp		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	
Barometric Pressure?	29.31" Hg	Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	N/A	Intake Tubing Used?	
Intake Height Above Floor Level (ft.)	~5.5 ft	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height	12" below grade	Distance to nearest Roadway	
Noticeable Odor?	No	Noticeable Odor?		Noticeable Odor?	No	Noticeable Odor?	
PID Reading (ppb)	0.0	PID Reading (ppb)		PID Reading (ppb)	0.0	PID Reading (ppb)	
Duplicate Sample?	No	Duplicate Sample?		Duplicate Sample?	No	Duplicate Sample?	

Comments:

Peak He = ~~55.2%~~ 53.9% (in shroud)
Helium in bag = 0
Leak test passed
PID in bag = 0.0 ppm

Sampler Signature:

FLUKE READING FORM

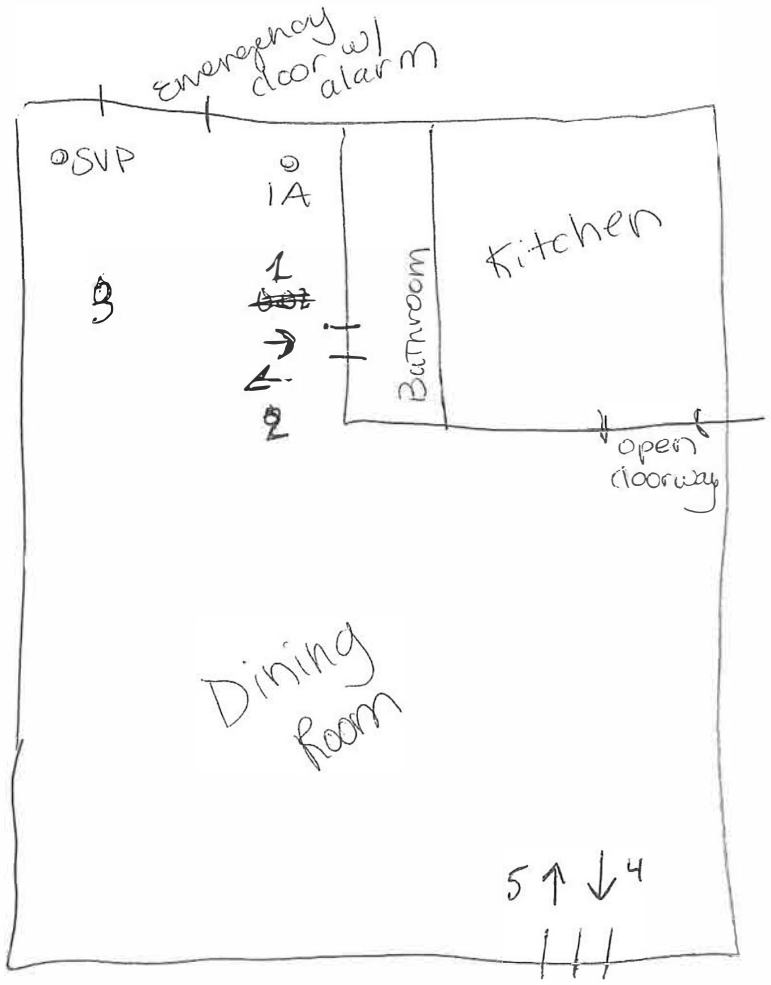
	Project #: 1602533 NYSDEC# C152228A Project Name: South Shore Outdoor Location: Bayshore, NY Project Manager: Kritika Thapa

Building Address: Dunkin'
Date: 2/28/2024

Sampler(s): M Gilkey / K. Cassidy

Fluke Location #1		Fluke Location #2	
Time	Pressure Differential	Time	Pressure Differential
1	0.02 in. water		
2	0 in. water		
3	0 in. water		
4	0.025 in. water		
5	-0.025 in. water		

Building Map/Fluke Locations



FLUKE READING FORM

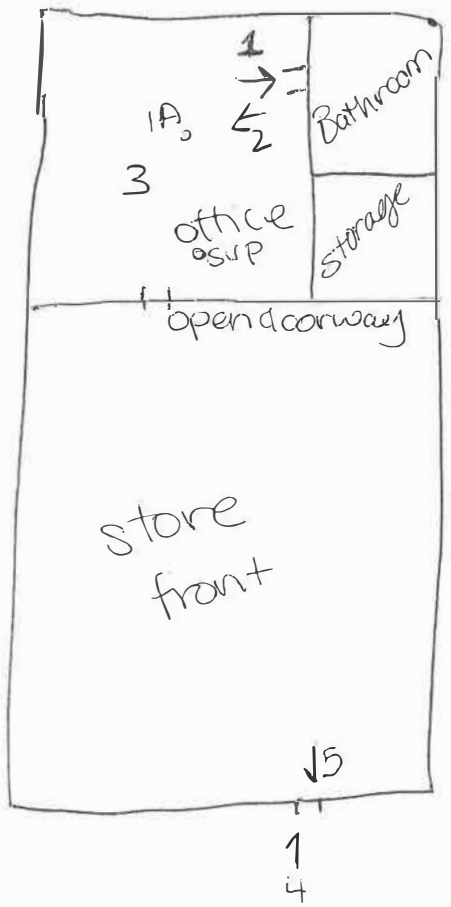
EA®	Project #: 16029.33 NYSDEC C152228A Project Name: South Shore Outdoor Location: Bayshore, NY Project Manager: Kritika Thapa

Building Address: Vanity Shop Sampler(s): M. Gilkey / K. Cassidy

Date: 2/29/24

Fluke Location #1		Fluke Location #2	
Time	Pressure Differential	Time	Pressure Differential
1	0.006 in. water		
2	0.003 in water		
3	0.003" H_2O		
4	0.003" H_2O		
5	-0.003" H_2O		

Building Map/Fluke Locations



FLUKE READING FORM

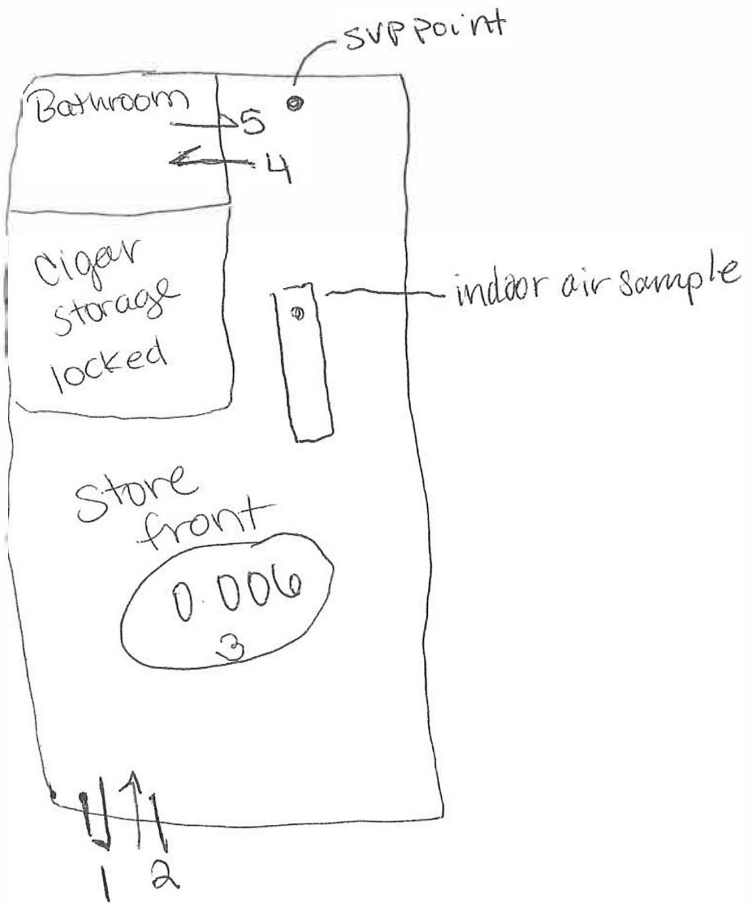
EA®	Project #: C1522225A Project Name: South Shore outdoor Location: Bayshore, NY Project Manager: Kritika Thapa

Building Address: 1750 5th Ave Sampler(s): M. Gilkey / K. Cassidy

Date: 2/27/24

Fluke Location #1		Fluke Location #2	
Time	Pressure Differential	Time	Pressure Differential
1010 1	0.134 (in→outside		
2	0.00		
3	0.006		
4	0.008		
5	0.008		

Building Map/Fluke Locations



NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Moriah Gilkey Date/Time Prepared Feb 29 2024

Preparer's Affiliation EA engineering Phone No. 315 380 1346

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

* Multi-Use Commercial Space

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: Yim First Name: Julie

Address: _____

County: _____

Home Phone: _____ Office Phone: 646 725 8685

Property Manager
Raymound Rottkamp
rotty33@yahoo.com

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Nail Salon, Variety Store, Multiple resturants, party store, vacant

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

↳ appeared to be...

4. AIRFLOW ...assumed central air

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

*Please see fluke readings taken @ each sample locations business *

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other None
c. Basement floor:	concrete	dirt	stone	other None
d. Basement floor:	uncovered	covered	covered with None	
e. Concrete floor:	unsealed	sealed	sealed with None	
f. Foundation walls:	poured	block	stone	other None
g. Foundation walls:	unsealed	sealed	sealed with None	
h. The basement is:	wet	damp	dry	moldy (NA)
i. The basement is:	finished	unfinished	partially finished (NA)	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

None observed - All slab floor was covered w/ tile, carpet, or vinyl

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	Unknown

Domestic hot water tank fueled by: Not observed

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Above drop ceiling - what was visible appeared in good condition

7. OCCUPANCY

Is basement/~~lowest level~~ occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Occupied during business operation; Convience store & Dunkin has the longest hours
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / ~~NA~~ (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / N When? Unknown

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? No

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? Routine Cleaning @ Resturants & stores

i. Have cosmetic products been used recently? (Y) N When & Type? _____

↳ One business (Ø sampled in is a nail salon)

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? Middle business (sample HA-2 & SS-2)

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? Air fresheners found @ multiple sample businesses

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? Unknown ↳ Fe breeze

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Unknown

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N

If yes, please describe: Restaurant odors, Middle business has odor from new flooring installed

Do any of the building occupants use solvents at work? (Y) / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Nail Salon was ∅ sample or inventoried ↳ assumed use of cosmetic solvents

If yes, are their clothes washed at work? Y / (N) ↳ closed during sampling activities

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

No
(Unknown)

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

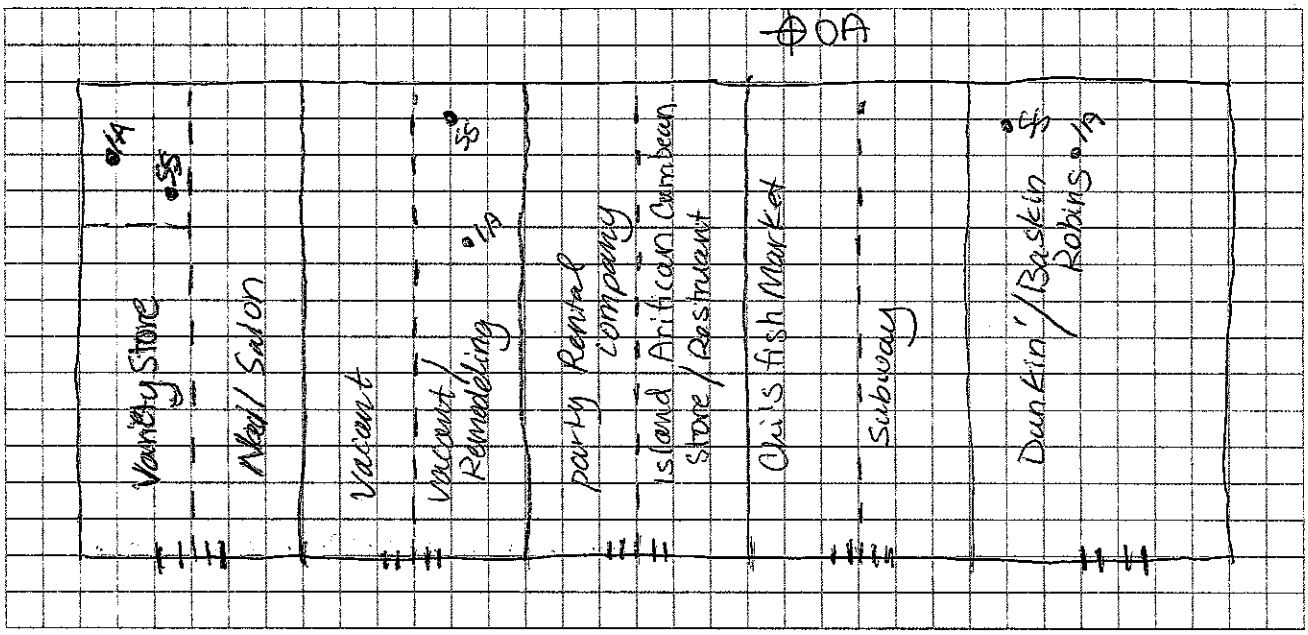
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

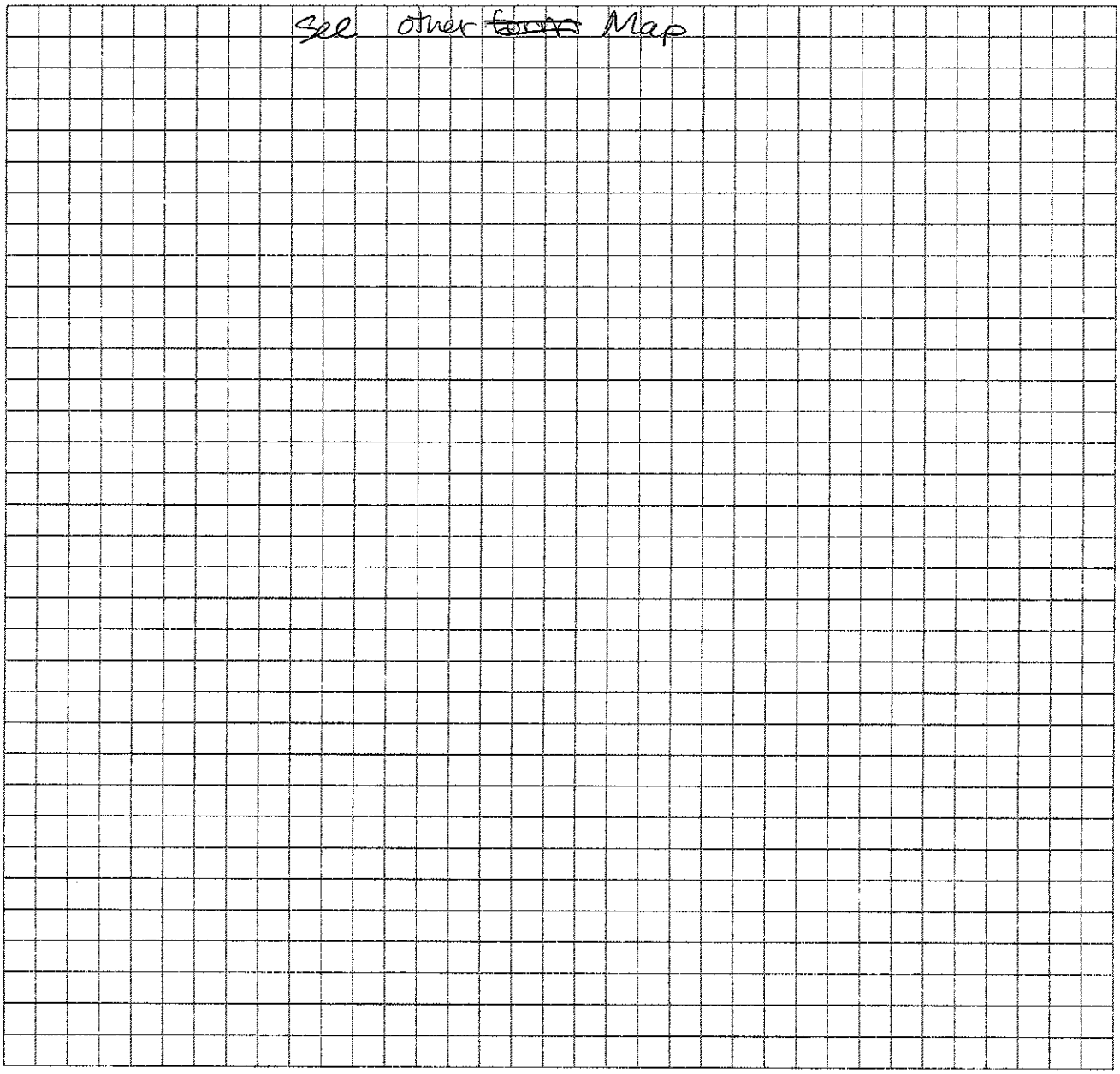
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



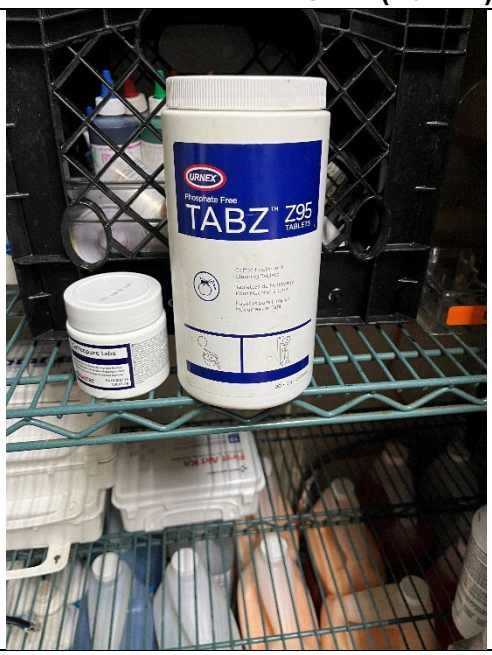
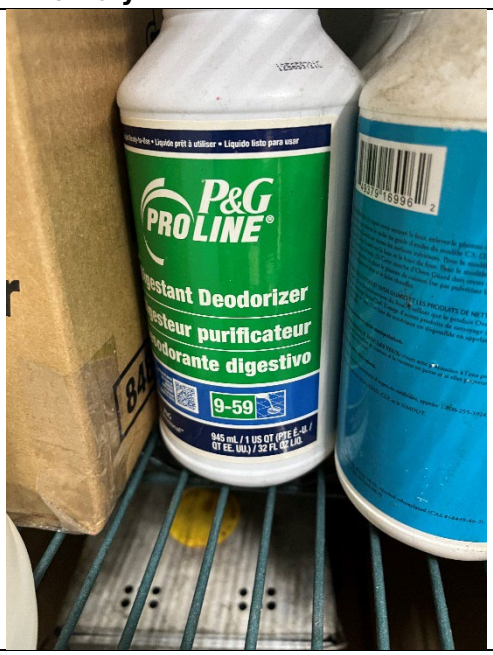
13. PRODUCT INVENTORY FORM

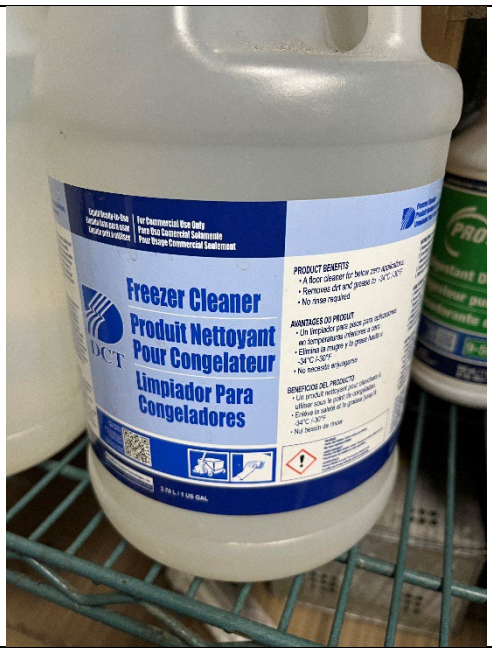
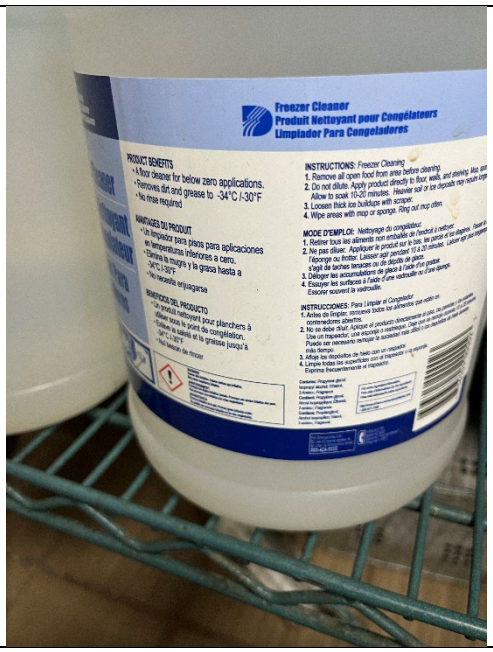
Make & Model of field instrument used: Honeywell MiniRAE 3000+

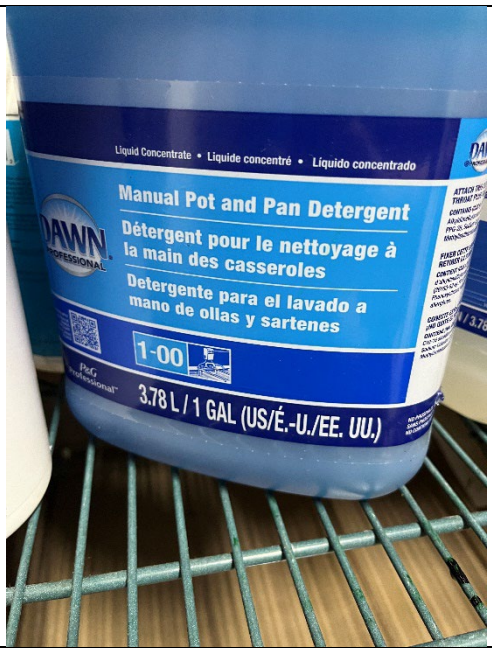
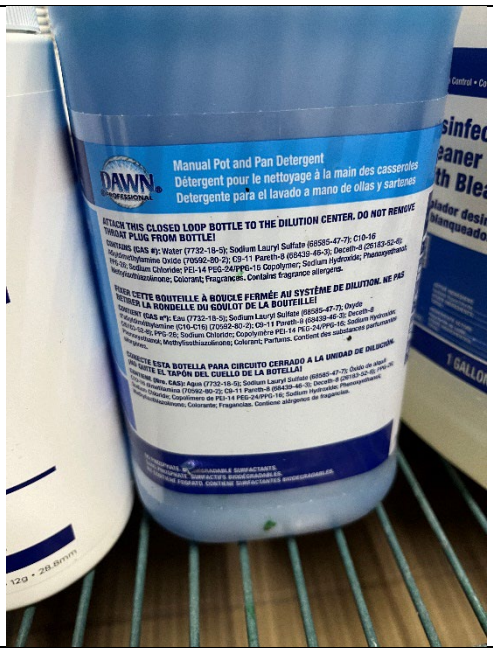
List specific products found in the residence that have the potential to affect indoor air quality.

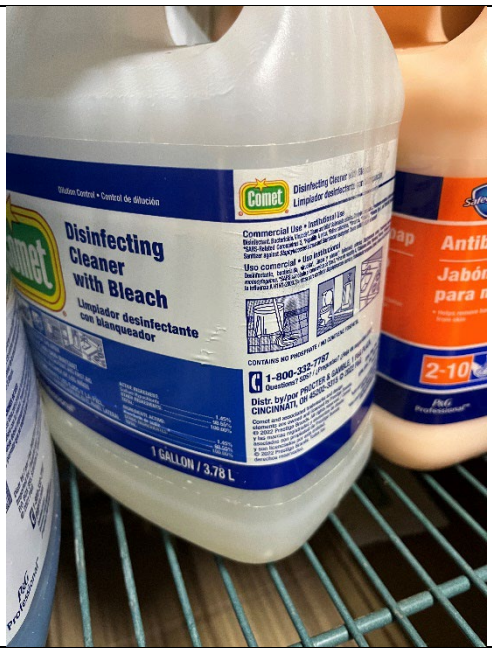
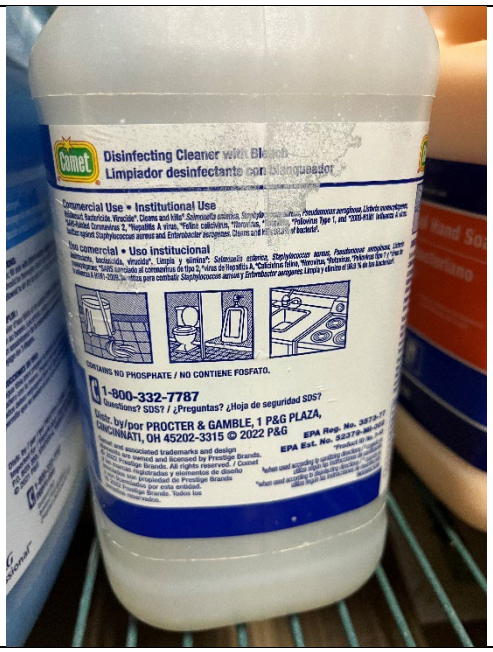
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	See Structure Specific photographic logs					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

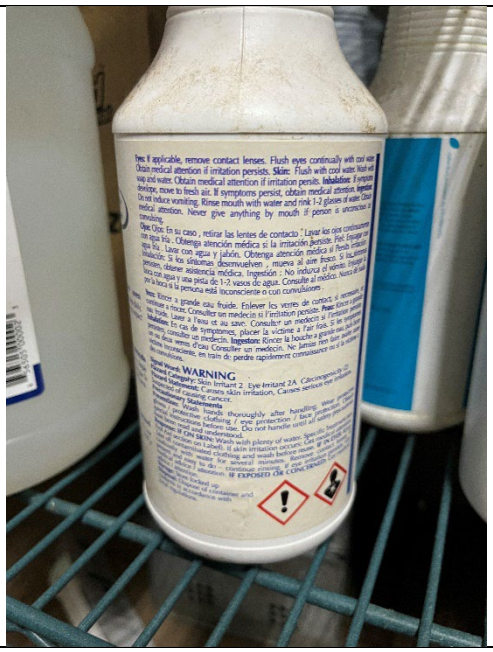
Unit 1(Dunkin) Chemical Inventory	
	
Ingredients: Disodium carbonate, Sodium percarbonate, DL-Tartarid acid, Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (C12-18-alkyl esters, sodium salts, Alcohols, C9-11, ethoxylated Single Good condition	Ingredients: C12-15 Pareth, CSB 7B, Fragrances, Methylchloroisothiazolinone, Methylisothiazolinone, Sodium C10-16 Alkylbenzenesulfonate, Tetrasodium EDTA, Water, modified styrene/acrylic copolymer Multiple All sealed and in good condition

	
Ingredients not listed on bottle – Online SDS lists : propylene glycol, Isoproply alcohol, and 2-Amnio ethanol as ingredients. Quantity: 4 Sealed and in good condition	Same jug as left

	
Dish Detergent Water; Sodium Lauryl Sulfate; C10-16 Alkyldimethylamine oxide; C9-11 Pareth-8; Decth-8; PPG-16;Sodium chloride; PEI-14 PEG24/PPG-16 Copolymer; Sodium Hydroxide; Phenoxyethanol; Methylisothiazolinone; Colorant; Fragrances. Quantity 4 Sealed and in good condition	Ingredients in the dish detergent

	
Ingredients: Water, Sodium Octyl Sulfate, Sodium Lauryl Sulfate, Sodium Hypochlorite, Sodium Hydroxide, Sodium Silicate, 2,6-dimethyl-7-octen-2-ol, 2-octanol, 2,6-dimethyl-, 3-octanol, 3,7-dimethyl-, Eucalyptol, Linalool, p-Cymene, Terpineol, dihydro-, acetate	See left for ingredients Quantity 1 Sealed and in good condition

	
Ingredients: Benzalkonium Chloride 0.12%, Water, glycerin, cocoamidopropyl betaine, polyoxypropylene-polyoxyethylene block copolymer, benzyl alcohol, fragrance, phenoxyethanol, tetra sodium EDTA, dehydroacetic acid, FD&C Red #4, FD&C Yellow #5 Quantity 3 Sealed and in good condition	Ingredients from SDS online: Polyethylene glycol, Alcohols, C9-11, ethoxylated, Nonylphenol, branched, ethoxylated Quantity 5 Sealed and in good condition

	
Ingredients from SDS online – ingredients not listed on bottle: 2-aminoethanol, Dodecylbenzenesulphonic acid, compound with 2,2',2''- nitrilotriethanol (1:1), dodecylbenzenesulphonic acid, compound with 2-aminoethanol (1: 1), 1-(2-butoxy-1-methylethoxy)propan-2-ol, methanol	See ingredient list to the left. Quantity: 1 Bottle appeared old but was sealed and appeared in good condition

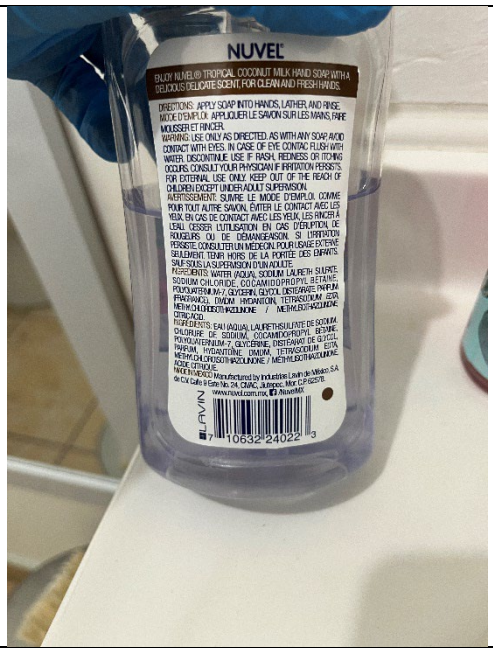
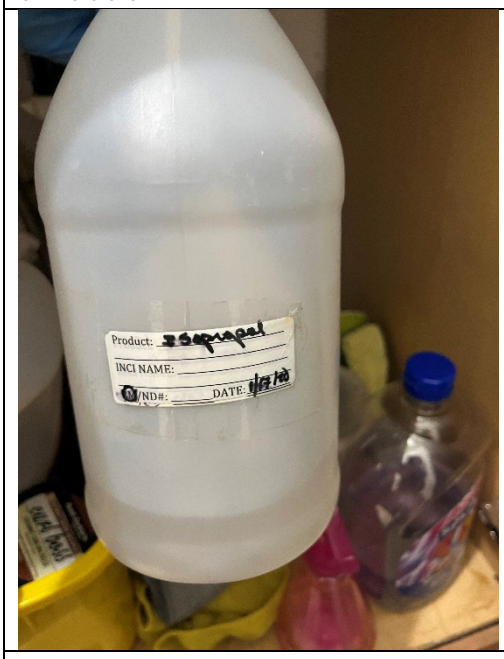
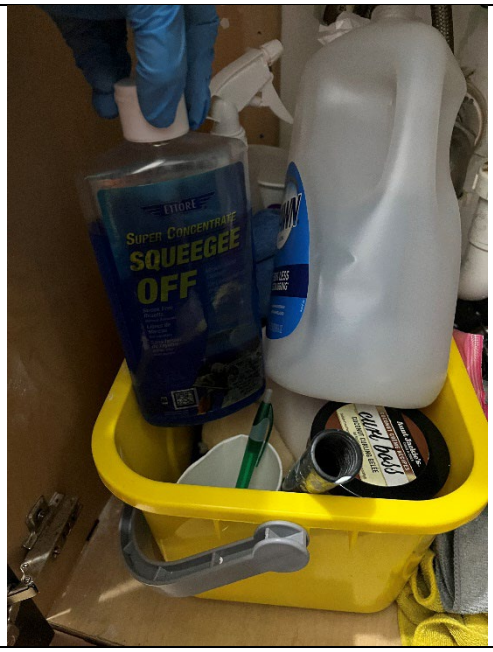
Unit 2 is not currently occupied, and the tenant is currently remodeling the space. This includes new flooring and fresh paint. The following were the only chemical items that were observed during the SVI.

Febreze Odor-Fighting Air Freshener, Heavy Duty Crisp Clean, 8.8 fl oz: Nitrogen, Water, Cyclodextrin, Alcohol, Hydrogenated Castor Oil, Dialkyl Sodium Sulfosuccinate, Sodium Citrate, Citric Acid, Sodium Polyacrylate, Benzisothiazolinone, Fragrance

Open but sealed can of Behr Paint and Primer: Hydrated silica, Nepheline syenite, 2-Ethylhexyl benzoate, Titanium dioxide, Aluminum hydroxide, Kaolin clay (calcined)

Softsoap bottle in bathroom: Water/Eau, Sodium C12-13 Pareth Sulfate, Cocamidopropyl Betaine, Citric Acid, Parfum/Fragrance, Sodium Benzoate, Propylene Glycol, Cocamide MEA, Sodium Chloride, Tetrasodium EDTA, Polyquaternium-7, Ext. Violet 2.

Unit 3 (Variety Store) Chemical Inventory	
	
Body spray located in bathroom. Quantity 1 Sealed and in good condition. See Left for Ingredients	Body Spray is located in bathroom Ingredients off bottle: Alcohol, Denat. Water, fragrance, propylene glycol, ethylhexyl methoxycinnamate, ethylhexyl salicylate, butyl methoxydibenzoylmethane, benzyl salicylate, limonene, linalool, alpha-isomethyl ionone, hydroxylcirtonellal, citronellol, geraniol, benzyl alcohol, hexyk cinnamal, RED 33(CI17200), RED 4 CI 14700), GREEN 3 (CI42053).

	
Ingredients: water sodium lauteth sulfate, sodium chloride, cocamidopropyl betaine, polyquarternium-7, glycerin, glycol distearate, parfum, DMDM hydantoin, tetrasodium EDTA, methychloroisothazolnone/methylisothazolnone, citric acid.	Quantity 1 Sealed and in good condition
	
Assumed Jug of Isopropyl Alcohol Quantity 1 Sealed and in good condition	Ingredients not listed on bottle – Ingredients from SDS online: Oxirane, methyl, polymer with oxirane, mono(2-propylheptyl) ether and Alcohol ethoxylate Quantity 1 Sealed and in good condition

	
Ingredients: Alcohol denat., C10-16 alkyldimethylamine oxide, C9-11 Parteh-8, Colorants, DECETH-8, Fragrances, Methylisothiazolinone, PEI-14 PEG/PPG-16 COPOLYMER, Phenoxyethanol, PPG-26, Sodium Chloride, Sodium Laureth Sulfate, Water	Ingredients to the left Quantity 1 Sealed and in good condition
Not photographed a closed half used bottle of AJAX: calcium carbonate, sodium dodecyl benzene sulfonate, sodium aluminosilicate, water, symclosene, fragrance, DYE, sodium carbonate,	**Not photographed a sealed half used bottle of soft soap:** Water/Eau, Sodium C12-13 Pareth Sulfate, Cocamidopropyl Betaine, Citric Acid, Parfum/Fragrance, Sodium Benzoate, Propylene Glycol, Cocamide MEA, Sodium Chloride, Tetrasodium EDTA, Polyquaternium-7, Ext. Violet 2.

South Shore 7/14/23
1602533

0915 J. Fontaine onsite.
Coordinated w M. Gilkey on sample delivery & shipment to Pace.
Called P. Gannon to discuss trouble-shooting options for Trimble GeoTX.
Troubleshooted Trimble GPS — internal antenna/GNSS receiver disconnected. Reconnected.
Reset the GNSS receiver.
Unit needs ~20 min. to track satellites.
1015 J. Fontaine offsite to deliver samples to Pace Analytical Long Island and allow Trimble time to track satellites.
1300 J. Fontaine onsite.
Cleaned site staging area, disposed of trash, packed up field equipment.
Collected reference photos of decon pad and IDW drums.
Coordinated pad & drum pickup w/ AARCO.
1404 Collected GPS coordinates and reference photos of final boring and SVP locations.
1515 J. Fontaine offsite.

7/14/23

South Shore Outdoor (C152228A) 2/27/24

WX: 53°F; Sun; 11 mph S (PM)
1200 SA (M. Gilkey & K. Cassidy)
Aarco onsite
1210 Mobilize to CVS-SV-01
Push down to point w/ geoprobe
1215 Install 6" steel screen
fill in w/ sand & bentonite on top
Mobilize to CVS-SV-2
1230 Push to 10 ft bgs
& install steel screen & tubing
fill w/ sand
Install well skirts & cover
Install concrete box
1320 Aarco offsite
1400 Begin gauging onsite wells
MW-5RD PID: 0.8 ppm
DTW: 31.49 ft btoc DTB 44.65
0205 MW-5R PID: 0.4 ppm
DTW: 31.56 ft bTOC DTB 38.09
MW-1R PID: 0.1 ppm
DTW = 32.21 ft bTOC DTB: 43.20 ft bTOC
MW-3 PID: 1.0 ppm
DTW: 31.03 DTB: 42.93
FN-1a pid: 0.0
DTW: 36.05 ftbTOC DTB 48.08 ftbTOC
CN-1 pid 0.2 ppm
DTW: 34.20 DTB 36.18

Rite in the Rain

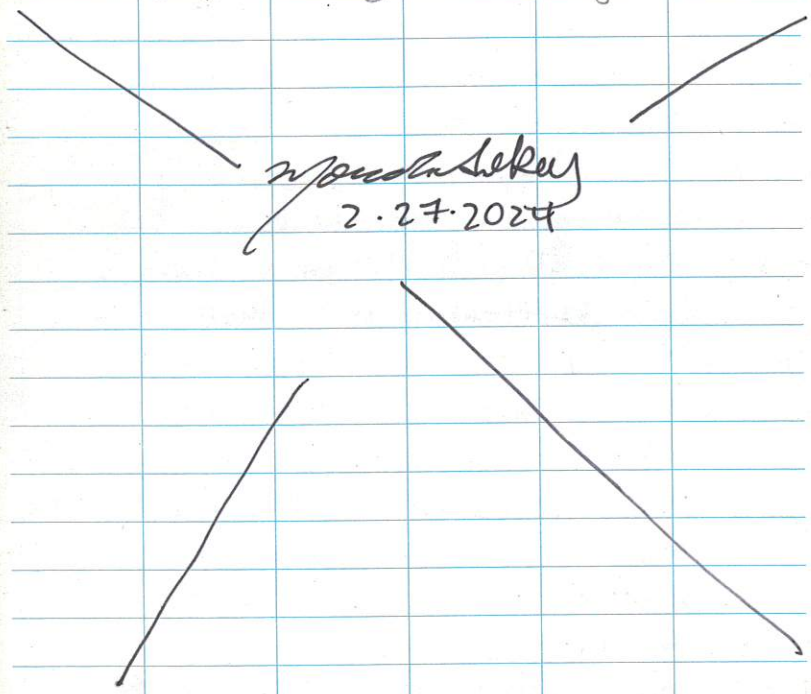
South Shore Outdoor 2/27/24

WX: 54°F, Sunny; 13mph S

1530 Check-in w/ tennants about airsampling being performed tomorrow; No tennants were aware Tenant located in The African Carribean island did ∅ allow drilling into the floor

1600 Contact Property Manager about access

1700 EA (M. Gilkey & K. Cassidy) offsite



South Shore Outdoor (C152228A) 2/27/24

WX: Rain; 19 mph SSE (AM)

0815 M. Gilkey & K. Cassidy (EA) onsite.

0830 EA Checked-in w/ Dunkin Donuts Manager → They needed to call the district manager to confirm

0900 Check in w/ Subway to get key to vacant shop

0930 drilled first point → tubing would not go past 3" → drilled again → same result EA patched this point & tried a different location.

1000 Next location drilled is successful 5AVE-SSV-2; Slab ≈ 6" thick

1030 Perform leak test → Passed

1024 Set ~~[illegible]~~ OA-1; Start pressure -29

1055 ~~[illegible]~~ Start sample at 5AVE-SSV-02 & 5AVE-SSV-DUP-28022024; start pressure -30"Hg

1103 Start sample at 5AVE-IA-2 & IA-DUP-28022024; start pressure -28"Hg

1115 Check-in w/ Variety Store

1120 Drill point & perform leak test → ~~Test~~ passed

1134 Start 5AVE-SV-3; start pressure -31

1137 Start 5AVE-IA-3; start pressure -31

1150 Check-in w/ Dunkin'; got green light to sample

1200 Drill pt.; Perform leak Test → Test passed

Rite in the Rain

28 South Shore Outdoor (C152228A) 2/28/23

WX: 52°F; Cloudy; 14 mph SSW; 29.60"Hg; 85% humidity

1222 Start sample SAVE-SSV-1
↳ Start pressure -30
Start sample SAVE-1A-1
1225 ↳ Start pressure -30
1340 Perform leak test of CVS-SSV-2
↳ Test Passed
1417 Start sample of CVS-SV-2
↳ start pressure -30 MLK
1425 Perform leak test of CVS-SV-1
↳ test passed
1428 Start sample of CVS-SV-1
↳ start pressure -29"Hg
1618 Collect sample of CVS-SV-2
↳ stop pressure -6"Hg
1623 Collect sample of CVS-SV-1
↳ stop pressure = -5"Hg
1822 Collect sample of SAVE-OA-1 &
↳ stop pressure -9"Hg
1830 Collect sample of SAVE-1A-2
& Dup (1A)
↳ stop pressure -9"Hg
1834 Collect sample of SAVE-SSV-2
& Dup → stop pressure -8"Hg
1932 Collect sample of SAVE-SV-3
↳ stop pressure -10"Hg
1938 Collect sample of SAVE-1A-3; stop pressure -11

South Shore Outdoor (C152228A) 2.28.24 29

WX: 48°F; Cloudy/Rain; 19mph SSW (PM)

2051 Stop collection of SAVE-1A-1
↳ stop pressure -10" Hg
2053 Stop collection of SAVE-SV-1
↳ stop pressure -10" Hg
21 00 Fill in SVP note @ Dunkin
21 20 Take chem inv in Dunkin
21 45 M. Gilkey & K. Cassidy (EPA) offsite
~~2117~~

Monica Gilkey
2.28.2024

Rite in the Rain

Attachment C

Analytical Data/Data Validation

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Data Package

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March 15, 2024

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

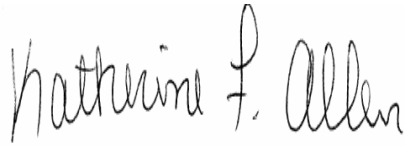
Project Location: Bay Shore, NY
Client Job Number:
Project Number: NYSDEC# 152228A / EA# 1602533
Laboratory Work Order Number: 24C0251

Enclosed are results of analyses for samples as received by the laboratory on March 1, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 3/15/2024

PURCHASE ORDER NUMBER: 1602533/0002/B

PROJECT NUMBER: NYSDEC# 152228A / EA# 1602533

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24C0251

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CVS-SV-2-28022024	24C0251-01	Soil Gas		EPA TO-15	
CVS-SV-1-28022024	24C0251-02	Soil Gas		EPA TO-15	
5AVE-SSV-3-28022024	24C0251-03	Sub Slab		EPA TO-15	
5AVE-IA-3-28022024	24C0251-04	Indoor air		EPA TO-15	
5AVE-SSV-2-28022024	24C0251-05	Sub Slab		EPA TO-15	
5AVE-IA-2-28022024	24C0251-06	Indoor air		EPA TO-15	
5AVE-SSV-1-28022024	24C0251-07	Sub Slab		EPA TO-15	
5AVE-IA-1-28022024	24C0251-08	Indoor air		EPA TO-15	
5AVE-OA-1-28022024	24C0251-09	Ambient Air		EPA TO-15	
SSV-DUP-28022024	24C0251-10	Sub Slab		-	
				EPA TO-15	
IA-DUP-28022024	24C0251-11	Indoor air		-	
				EPA TO-15	
UNUSED	24C0251-12			-	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

E Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

2-Butanone (MEK), Ethanol, Isopropanol

24C0251-11[IA-DUP-28022024], 24C0251-03[5AVE-SSV-3-28022024], 24C0251-04[5AVE-IA-3-28022024], 24C0251-06[5AVE-IA-2-28022024], 24C0251-08[5AVE-IA-1-28022024], 24C0251-09[5AVE-OA-1-28022024]

R-04 Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

B368536-DUP1

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



Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-2-28022024
Sample ID: 24C0251-01
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 1304
Canister Size: 6 liter
Flow Controller ID: 4402
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	3.3	4.0	2.0	J	7.8	9.5	4.8	2	3/14/24 6:19	TPH
Benzene	0.29	0.10	0.031		0.91	0.32	0.099	2	3/14/24 6:19	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 6:19	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 6:19	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 6:19	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 6:19	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 6:19	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 6:19	TPH
Carbon Disulfide	0.47	1.0	0.19	J	1.5	3.1	0.60	2	3/14/24 6:19	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 6:19	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 6:19	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 6:19	TPH
Chloroform	0.42	0.10	0.049		2.0	0.49	0.24	2	3/14/24 6:19	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 6:19	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 6:19	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 6:19	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 6:19	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 6:19	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 6:19	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 6:19	TPH
Dichlorodifluoromethane (Freon 12)	0.52	0.10	0.042		2.6	0.49	0.21	2	3/14/24 6:19	TPH
1,1-Dichloroethane	2.5	0.10	0.049		10	0.40	0.20	2	3/14/24 6:19	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 6:19	TPH
1,1-Dichloroethylene	0.086	0.10	0.070	J	0.34	0.40	0.28	2	3/14/24 6:19	TPH
cis-1,2-Dichloroethylene	1.8	0.10	0.048		7.2	0.40	0.19	2	3/14/24 6:19	TPH
trans-1,2-Dichloroethylene	0.16	0.10	0.047		0.65	0.40	0.19	2	3/14/24 6:19	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 6:19	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 6:19	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 6:19	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 6:19	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 6:19	TPH
Ethanol	ND	4.0	2.7		ND	7.5	5.0	2	3/14/24 6:19	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 6:19	TPH
Ethylbenzene	0.62	0.10	0.034		2.7	0.43	0.15	2	3/14/24 6:19	TPH
4-Ethyltoluene	0.34	0.10	0.043		1.7	0.49	0.21	2	3/14/24 6:19	TPH
Heptane	0.46	0.10	0.063		1.9	0.41	0.26	2	3/14/24 6:19	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 6:19	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 6:19	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 6:19	TPH
Isopropanol	ND	4.0	2.1		ND	9.8	5.2	2	3/14/24 6:19	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 6:19	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 6:19	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 6:19	TPH
Naphthalene	0.83	0.10	0.081		4.3	0.52	0.43	2	3/14/24 6:19	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 6:19	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 6:19	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 6:19	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-2-28022024
Sample ID: 24C0251-01
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 1304
Canister Size: 6 liter
Flow Controller ID: 4402
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	19	0.10	0.086		130	0.68	0.58	2	3/14/24 6:19	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 6:19	TPH
Toluene	1.1	0.10	0.050		4.1	0.38	0.19	2	3/14/24 6:19	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 6:19	TPH
1,1,1-Trichloroethane	42	0.10	0.031		230	0.55	0.17	2	3/14/24 6:19	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 6:19	TPH
Trichloroethylene	100	0.50	0.38		560	2.7	2.1	10	3/14/24 6:46	TPH
Trichlorofluoromethane (Freon 11)	0.83	0.40	0.041		4.7	2.2	0.23	2	3/14/24 6:19	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.072	0.40	0.027	J	0.55	3.1	0.21	2	3/14/24 6:19	TPH
1,2,4-Trimethylbenzene	1.6	0.10	0.060		7.7	0.49	0.29	2	3/14/24 6:19	TPH
1,3,5-Trimethylbenzene	0.39	0.10	0.077		1.9	0.49	0.38	2	3/14/24 6:19	TPH
Vinyl Acetate	0.54	2.0	0.41	J	1.9	7.0	1.4	2	3/14/24 6:19	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 6:19	TPH
m&p-Xylene	2.0	0.20	0.070		8.9	0.87	0.30	2	3/14/24 6:19	TPH
o-Xylene	0.91	0.10	0.037		3.9	0.43	0.16	2	3/14/24 6:19	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.6	70-130	3/14/24 6:19
4-Bromofluorobenzene (1)	87.1	70-130	3/14/24 6:46

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-1-28022024
Sample ID: 24C0251-02
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1984
Canister Size: 6 liter
Flow Controller ID: 4446
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.6	4.0	2.0		21	9.5	4.8	2	3/14/24 5:51	TPH
Benzene	0.29	0.10	0.031		0.92	0.32	0.099	2	3/14/24 5:51	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 5:51	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 5:51	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 5:51	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 5:51	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 5:51	TPH
2-Butanone (MEK)	2.2	4.0	2.0	J	6.5	12	5.8	2	3/14/24 5:51	TPH
Carbon Disulfide	0.32	1.0	0.19	J	0.98	3.1	0.60	2	3/14/24 5:51	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 5:51	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 5:51	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 5:51	TPH
Chloroform	0.15	0.10	0.049		0.71	0.49	0.24	2	3/14/24 5:51	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 5:51	TPH
Cyclohexane	0.096	0.10	0.078	J	0.33	0.34	0.27	2	3/14/24 5:51	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 5:51	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 5:51	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 5:51	TPH
1,3-Dichlorobenzene	0.13	0.10	0.037		0.76	0.60	0.22	2	3/14/24 5:51	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 5:51	TPH
Dichlorodifluoromethane (Freon 12)	0.45	0.10	0.042		2.2	0.49	0.21	2	3/14/24 5:51	TPH
1,1-Dichloroethane	0.090	0.10	0.049	J	0.36	0.40	0.20	2	3/14/24 5:51	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 5:51	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 5:51	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 5:51	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 5:51	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 5:51	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 5:51	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 5:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 5:51	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 5:51	TPH
Ethanol	70	4.0	2.7		130	7.5	5.0	2	3/14/24 5:51	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 5:51	TPH
Ethylbenzene	0.27	0.10	0.034		1.2	0.43	0.15	2	3/14/24 5:51	TPH
4-Ethyltoluene	0.18	0.10	0.043		0.90	0.49	0.21	2	3/14/24 5:51	TPH
Heptane	0.25	0.10	0.063		1.0	0.41	0.26	2	3/14/24 5:51	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 5:51	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 5:51	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 5:51	TPH
Isopropanol	7.2	4.0	2.1		18	9.8	5.2	2	3/14/24 5:51	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 5:51	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 5:51	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 5:51	TPH
Naphthalene	0.17	0.10	0.081		0.91	0.52	0.43	2	3/14/24 5:51	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 5:51	TPH
Styrene	0.090	0.10	0.077	J	0.38	0.43	0.33	2	3/14/24 5:51	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 5:51	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-1-28022024
Sample ID: 24C0251-02
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1984
Canister Size: 6 liter
Flow Controller ID: 4446
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.23	0.10	0.086		1.5	0.68	0.58	2	3/14/24 5:51	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 5:51	TPH
Toluene	1.5	0.10	0.050		5.7	0.38	0.19	2	3/14/24 5:51	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 5:51	TPH
1,1,1-Trichloroethane	2.7	0.10	0.031		15	0.55	0.17	2	3/14/24 5:51	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 5:51	TPH
Trichloroethylene	2.5	0.10	0.077		14	0.54	0.41	2	3/14/24 5:51	TPH
Trichlorofluoromethane (Freon 11)	0.29	0.40	0.041	J	1.6	2.2	0.23	2	3/14/24 5:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.064	0.40	0.027	J	0.49	3.1	0.21	2	3/14/24 5:51	TPH
1,2,4-Trimethylbenzene	1.3	0.10	0.060		6.2	0.49	0.29	2	3/14/24 5:51	TPH
1,3,5-Trimethylbenzene	0.24	0.10	0.077		1.2	0.49	0.38	2	3/14/24 5:51	TPH
Vinyl Acetate	0.71	2.0	0.41	J	2.5	7.0	1.4	2	3/14/24 5:51	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 5:51	TPH
m&p-Xylene	0.96	0.20	0.070		4.2	0.87	0.30	2	3/14/24 5:51	TPH
o-Xylene	0.43	0.10	0.037		1.9	0.43	0.16	2	3/14/24 5:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.3	70-130	3/14/24 5:51

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-3-28022024
Sample ID: 24C0251-03
Sample Matrix: Sub Slab
Sampled: 2/28/2024 19:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1982
Canister Size: 6 liter
Flow Controller ID: 3336
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	13	4.0	2.0		31	9.5	4.8	2	3/14/24 5:23	TPH
Benzene	0.090	0.10	0.031	J	0.29	0.32	0.099	2	3/14/24 5:23	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 5:23	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 5:23	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 5:23	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 5:23	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 5:23	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 5:23	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 5:23	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 5:23	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 5:23	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 5:23	TPH
Chloroform	0.77	0.10	0.049		3.8	0.49	0.24	2	3/14/24 5:23	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 5:23	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 5:23	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 5:23	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 5:23	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 5:23	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 5:23	TPH
1,4-Dichlorobenzene	0.054	0.10	0.048	J	0.32	0.60	0.29	2	3/14/24 5:23	TPH
Dichlorodifluoromethane (Freon 12)	0.42	0.10	0.042		2.1	0.49	0.21	2	3/14/24 5:23	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 5:23	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 5:23	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 5:23	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 5:23	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 5:23	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 5:23	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 5:23	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 5:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 5:23	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 5:23	TPH
Ethanol	110	4.0	2.7	E	210	7.5	5.0	2	3/14/24 5:23	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 5:23	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 5:23	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 5:23	TPH
Heptane	0.080	0.10	0.063	J	0.33	0.41	0.26	2	3/14/24 5:23	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 5:23	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 5:23	TPH
2-Hexanone (MBK)	0.10	0.10	0.043		0.41	0.41	0.18	2	3/14/24 5:23	TPH
Isopropanol	15	4.0	2.1		37	9.8	5.2	2	3/14/24 5:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 5:23	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 5:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 5:23	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 5:23	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 5:23	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 5:23	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 5:23	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-3-28022024
Sample ID: 24C0251-03
Sample Matrix: Sub Slab
Sampled: 2/28/2024 19:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1982
Canister Size: 6 liter
Flow Controller ID: 3336
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.0	0.10	0.086		6.9	0.68	0.58	2	3/14/24 5:23	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 5:23	TPH
Toluene	0.13	0.10	0.050		0.48	0.38	0.19	2	3/14/24 5:23	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 5:23	TPH
1,1,1-Trichloroethane	1.1	0.10	0.031		5.8	0.55	0.17	2	3/14/24 5:23	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 5:23	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 5:23	TPH
Trichlorofluoromethane (Freon 11)	1.4	0.40	0.041		7.6	2.2	0.23	2	3/14/24 5:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.096	0.40	0.027	J	0.74	3.1	0.21	2	3/14/24 5:23	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 5:23	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 5:23	TPH
Vinyl Acetate	0.56	2.0	0.41	J	2.0	7.0	1.4	2	3/14/24 5:23	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 5:23	TPH
m&p-Xylene	ND	0.20	0.070		ND	0.87	0.30	2	3/14/24 5:23	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 5:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.5	70-130	3/14/24 5:23

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-3-28022024
Sample ID: 24C0251-04
Sample Matrix: Indoor air
Sampled: 2/28/2024 19:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1056
Canister Size: 6 liter
Flow Controller ID: 3160
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -10.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	24	1.4	0.71		58	3.3	1.7	0.696	3/14/24 0:50	TPH
Benzene	0.19	0.035	0.011		0.60	0.11	0.034	0.696	3/14/24 0:50	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.696	3/14/24 0:50	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.696	3/14/24 0:50	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.696	3/14/24 0:50	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	3/14/24 0:50	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.11	0.696	3/14/24 0:50	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.064	0.696	3/14/24 0:50	TPH
2-Butanone (MEK)	4.7	1.4	0.68		14	4.1	2.0	0.696	3/14/24 0:50	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.696	3/14/24 0:50	TPH
Carbon Tetrachloride	0.070	0.035	0.027		0.44	0.22	0.17	0.696	3/14/24 0:50	TPH
Carbon Tetrachloride (SIM)	0.067	0.0070	0.0014		0.42	0.044	0.009	0.696	3/14/24 0:50	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.696	3/14/24 0:50	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.696	3/14/24 0:50	TPH
Chloroform	0.033	0.035	0.017	J	0.16	0.17	0.083	0.696	3/14/24 0:50	TPH
Chloroform (SIM)	0.039	0.0070	0.0018		0.19	0.034	0.0087	0.696	3/14/24 0:50	TPH
Chloromethane	0.76	0.070	0.047		1.6	0.14	0.096	0.696	3/14/24 0:50	TPH
Cyclohexane	0.070	0.035	0.027		0.24	0.12	0.093	0.696	3/14/24 0:50	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	3/14/24 0:50	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.696	3/14/24 0:50	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	3/14/24 0:50	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	3/14/24 0:50	TPH
1,4-Dichlorobenzene	2.3	0.035	0.017		14	0.21	0.10	0.696	3/14/24 0:50	TPH
Dichlorodifluoromethane (Freon 12)	0.77	0.035	0.015		3.8	0.17	0.072	0.696	3/14/24 0:50	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.696	3/14/24 0:50	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.696	3/14/24 0:50	TPH
1,2-Dichloroethane	0.072	0.035	0.013		0.29	0.14	0.053	0.696	3/14/24 0:50	TPH
1,2-Dichloroethane (SIM)	0.070	0.0070	0.0014		0.28	0.028	0.0058	0.696	3/14/24 0:50	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.696	3/14/24 0:50	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.696	3/14/24 0:50	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.696	3/14/24 0:50	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.696	3/14/24 0:50	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.696	3/14/24 0:50	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.696	3/14/24 0:50	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.696	3/14/24 0:50	TPH
1,2-Dichloropropane (SIM)	0.0097	0.0070	0.0014		0.045	0.032	0.0066	0.696	3/14/24 0:50	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.696	3/14/24 0:50	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.696	3/14/24 0:50	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.696	3/14/24 0:50	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.021	0.696	3/14/24 0:50	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.42	0.035	0.014		2.9	0.24	0.097	0.696	3/14/24 0:50	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	3/14/24 0:50	TPH
Ethanol	1500	1.4	0.92	E	2800	2.6	1.7	0.696	3/14/24 0:50	TPH
Ethyl Acetate	0.93	0.35	0.14		3.3	1.3	0.49	0.696	3/14/24 0:50	TPH
Ethylbenzene	0.084	0.035	0.012		0.36	0.15	0.051	0.696	3/14/24 0:50	TPH
4-Ethyltoluene	0.33	0.035	0.015		1.6	0.17	0.074	0.696	3/14/24 0:50	TPH
Heptane	0.31	0.035	0.022		1.3	0.14	0.090	0.696	3/14/24 0:50	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-3-28022024
Sample ID: 24C0251-04
Sample Matrix: Indoor air
Sampled: 2/28/2024 19:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1056
Canister Size: 6 liter
Flow Controller ID: 3160
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -10.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	3/14/24 0:50	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.696	3/14/24 0:50	TPH
2-Hexanone (MBK)	0.10	0.035	0.015		0.43	0.14	0.062	0.696	3/14/24 0:50	TPH
Isopropanol	170	1.4	0.73	E	420	3.4	1.8	0.696	3/14/24 0:50	TPH
Methyl tert-Butyl Ether (MTBE)	0.022	0.035	0.017	J	0.078	0.13	0.062	0.696	3/14/24 0:50	TPH
Methylene Chloride	0.15	0.35	0.094	J	0.51	1.2	0.32	0.696	3/14/24 0:50	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.696	3/14/24 0:50	TPH
Naphthalene	0.038	0.035	0.028		0.20	0.18	0.15	0.696	3/14/24 0:50	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.696	3/14/24 0:50	TPH
Styrene	0.15	0.035	0.027		0.63	0.15	0.11	0.696	3/14/24 0:50	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	3/14/24 0:50	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.696	3/14/24 0:50	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.696	3/14/24 0:50	TPH
Tetrahydrofuran	0.27	0.35	0.13	J	0.81	1.0	0.39	0.696	3/14/24 0:50	TPH
Toluene	0.67	0.035	0.017		2.5	0.13	0.066	0.696	3/14/24 0:50	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	3/14/24 0:50	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.696	3/14/24 0:50	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.696	3/14/24 0:50	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0048	0.696	3/14/24 0:50	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.696	3/14/24 0:50	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.696	3/14/24 0:50	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.14	0.014		1.4	0.78	0.080	0.696	3/14/24 0:50	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.11	0.14	0.0095	J	0.86	1.1	0.073	0.696	3/14/24 0:50	TPH
1,2,4-Trimethylbenzene	2.5	0.035	0.021		12	0.17	0.10	0.696	3/14/24 0:50	TPH
1,3,5-Trimethylbenzene	0.88	0.035	0.027		4.3	0.17	0.13	0.696	3/14/24 0:50	TPH
Vinyl Acetate	0.88	0.70	0.14		3.1	2.5	0.50	0.696	3/14/24 0:50	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.696	3/14/24 0:50	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.696	3/14/24 0:50	TPH
m&p-Xylene	0.19	0.070	0.024		0.83	0.30	0.11	0.696	3/14/24 0:50	TPH
o-Xylene	0.17	0.035	0.013		0.73	0.15	0.055	0.696	3/14/24 0:50	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	93.0	70-130	3/14/24	0:50
4-Bromofluorobenzene (1) (SIM)	97.5	70-130	3/14/24	0:50

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-2-28022024
Sample ID: 24C0251-05
Sample Matrix: Sub Slab
Sampled: 2/28/2024 18:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2023
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	9.9	4.0	2.0		24	9.5	4.8	2	3/14/24 4:55	TPH
Benzene	0.052	0.10	0.031	J	0.17	0.32	0.099	2	3/14/24 4:55	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 4:55	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 4:55	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 4:55	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 4:55	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 4:55	TPH
2-Butanone (MEK)	7.3	4.0	2.0		22	12	5.8	2	3/14/24 4:55	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 4:55	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 4:55	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 4:55	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 4:55	TPH
Chloroform	6.0	0.10	0.049		30	0.49	0.24	2	3/14/24 4:55	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 4:55	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 4:55	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 4:55	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 4:55	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 4:55	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 4:55	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 4:55	TPH
Dichlorodifluoromethane (Freon 12)	0.39	0.10	0.042		1.9	0.49	0.21	2	3/14/24 4:55	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 4:55	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 4:55	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 4:55	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 4:55	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 4:55	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 4:55	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 4:55	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 4:55	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 4:55	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 4:55	TPH
Ethanol	36	4.0	2.7		68	7.5	5.0	2	3/14/24 4:55	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 4:55	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 4:55	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 4:55	TPH
Heptane	0.076	0.10	0.063	J	0.31	0.41	0.26	2	3/14/24 4:55	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 4:55	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 4:55	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 4:55	TPH
Isopropanol	3.4	4.0	2.1	J	8.4	9.8	5.2	2	3/14/24 4:55	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 4:55	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 4:55	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 4:55	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 4:55	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 4:55	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 4:55	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 4:55	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-2-28022024
Sample ID: 24C0251-05
Sample Matrix: Sub Slab
Sampled: 2/28/2024 18:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2023
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.11	0.10	0.086		0.73	0.68	0.58	2	3/14/24 4:55	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 4:55	TPH
Toluene	0.078	0.10	0.050	J	0.29	0.38	0.19	2	3/14/24 4:55	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 4:55	TPH
1,1,1-Trichloroethane	0.22	0.10	0.031		1.2	0.55	0.17	2	3/14/24 4:55	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 4:55	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 4:55	TPH
Trichlorofluoromethane (Freon 11)	0.25	0.40	0.041	J	1.4	2.2	0.23	2	3/14/24 4:55	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.074	0.40	0.027	J	0.57	3.1	0.21	2	3/14/24 4:55	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 4:55	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 4:55	TPH
Vinyl Acetate	0.42	2.0	0.41	J	1.5	7.0	1.4	2	3/14/24 4:55	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 4:55	TPH
m&p-Xylene	ND	0.20	0.070		ND	0.87	0.30	2	3/14/24 4:55	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 4:55	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	90.7	70-130	3/14/24 4:55	

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-2-28022024
Sample ID: 24C0251-06
Sample Matrix: Indoor air
Sampled: 2/28/2024 18:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1966
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	18	1.4	0.71		44	3.3	1.7	0.698	3/14/24 1:23	TPH
Benzene	0.16	0.035	0.011		0.50	0.11	0.034	0.698	3/14/24 1:23	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.698	3/14/24 1:23	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.698	3/14/24 1:23	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.698	3/14/24 1:23	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	3/14/24 1:23	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.12	0.698	3/14/24 1:23	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.065	0.698	3/14/24 1:23	TPH
2-Butanone (MEK)	34	1.4	0.68		100	4.1	2.0	0.698	3/14/24 1:23	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	3/14/24 1:23	TPH
Carbon Tetrachloride	0.079	0.035	0.027		0.50	0.22	0.17	0.698	3/14/24 1:23	TPH
Carbon Tetrachloride (SIM)	0.070	0.0070	0.0014		0.44	0.044	0.009	0.698	3/14/24 1:23	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.698	3/14/24 1:23	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.698	3/14/24 1:23	TPH
Chloroform	0.038	0.035	0.017		0.19	0.17	0.083	0.698	3/14/24 1:23	TPH
Chloroform (SIM)	0.038	0.0070	0.0018		0.19	0.034	0.0087	0.698	3/14/24 1:23	TPH
Chloromethane	0.61	0.070	0.047		1.3	0.14	0.096	0.698	3/14/24 1:23	TPH
Cyclohexane	0.048	0.035	0.027		0.17	0.12	0.093	0.698	3/14/24 1:23	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.698	3/14/24 1:23	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.698	3/14/24 1:23	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	3/14/24 1:23	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	3/14/24 1:23	TPH
1,4-Dichlorobenzene	0.083	0.035	0.017		0.50	0.21	0.10	0.698	3/14/24 1:23	TPH
Dichlorodifluoromethane (Freon 12)	0.46	0.035	0.015		2.3	0.17	0.072	0.698	3/14/24 1:23	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.698	3/14/24 1:23	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.698	3/14/24 1:23	TPH
1,2-Dichloroethane	0.082	0.035	0.013		0.33	0.14	0.053	0.698	3/14/24 1:23	TPH
1,2-Dichloroethane (SIM)	0.077	0.0070	0.0014		0.31	0.028	0.0058	0.698	3/14/24 1:23	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.698	3/14/24 1:23	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.698	3/14/24 1:23	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.698	3/14/24 1:23	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.698	3/14/24 1:23	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.698	3/14/24 1:23	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.698	3/14/24 1:23	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.698	3/14/24 1:23	TPH
1,2-Dichloropropane (SIM)	0.0070	0.0070	0.0014		0.032	0.032	0.0066	0.698	3/14/24 1:23	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.698	3/14/24 1:23	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.698	3/14/24 1:23	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.698	3/14/24 1:23	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.022	0.698	3/14/24 1:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.015	0.035	0.014	J	0.10	0.24	0.098	0.698	3/14/24 1:23	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	3/14/24 1:23	TPH
Ethanol	420	1.4	0.93	E	790	2.6	1.7	0.698	3/14/24 1:23	TPH
Ethyl Acetate	1.5	0.35	0.14		5.4	1.3	0.49	0.698	3/14/24 1:23	TPH
Ethylbenzene	0.068	0.035	0.012		0.29	0.15	0.052	0.698	3/14/24 1:23	TPH
4-Ethyltoluene	0.070	0.035	0.015		0.35	0.17	0.075	0.698	3/14/24 1:23	TPH
Heptane	0.14	0.035	0.022		0.56	0.14	0.090	0.698	3/14/24 1:23	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-2-28022024
Sample ID: 24C0251-06
Sample Matrix: Indoor air
Sampled: 2/28/2024 18:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1966
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	3/14/24 1:23	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.698	3/14/24 1:23	TPH
2-Hexanone (MBK)	0.022	0.035	0.015	J	0.089	0.14	0.062	0.698	3/14/24 1:23	TPH
Isopropanol	25	1.4	0.73		61	3.4	1.8	0.698	3/14/24 1:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	3/14/24 1:23	TPH
Methylene Chloride	0.13	0.35	0.094	J	0.46	1.2	0.33	0.698	3/14/24 1:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.698	3/14/24 1:23	TPH
Naphthalene	0.044	0.035	0.028		0.23	0.18	0.15	0.698	3/14/24 1:23	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.698	3/14/24 1:23	TPH
Styrene	0.29	0.035	0.027		1.2	0.15	0.12	0.698	3/14/24 1:23	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	3/14/24 1:23	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.698	3/14/24 1:23	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.698	3/14/24 1:23	TPH
Tetrahydrofuran	ND	0.35	0.13		ND	1.0	0.39	0.698	3/14/24 1:23	TPH
Toluene	0.50	0.035	0.017		1.9	0.13	0.066	0.698	3/14/24 1:23	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	3/14/24 1:23	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	3/14/24 1:23	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.698	3/14/24 1:23	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0049	0.698	3/14/24 1:23	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.698	3/14/24 1:23	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.698	3/14/24 1:23	TPH
Trichlorofluoromethane (Freon 11)	0.22	0.14	0.014		1.2	0.78	0.080	0.698	3/14/24 1:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.071	0.14	0.0095	J	0.55	1.1	0.073	0.698	3/14/24 1:23	TPH
1,2,4-Trimethylbenzene	0.60	0.035	0.021		2.9	0.17	0.10	0.698	3/14/24 1:23	TPH
1,3,5-Trimethylbenzene	0.15	0.035	0.027		0.74	0.17	0.13	0.698	3/14/24 1:23	TPH
Vinyl Acetate	0.43	0.70	0.14	J	1.5	2.5	0.50	0.698	3/14/24 1:23	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.698	3/14/24 1:23	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.698	3/14/24 1:23	TPH
m&p-Xylene	0.19	0.070	0.024		0.82	0.30	0.11	0.698	3/14/24 1:23	TPH
o-Xylene	0.090	0.035	0.013		0.39	0.15	0.055	0.698	3/14/24 1:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.4	70-130	3/14/24 1:23
4-Bromofluorobenzene (1) (SIM)	95.8	70-130	3/14/24 1:23

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-1-28022024
Sample ID: 24C0251-07
Sample Matrix: Sub Slab
Sampled: 2/28/2024 20:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1236
Canister Size: 6 liter
Flow Controller ID: 3085
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	3.6	4.0	2.0	J	8.6	9.5	4.8	2	3/14/24 4:27	TPH
Benzene	0.038	0.10	0.031	J	0.12	0.32	0.099	2	3/14/24 4:27	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 4:27	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 4:27	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 4:27	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 4:27	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 4:27	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 4:27	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 4:27	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 4:27	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 4:27	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 4:27	TPH
Chloroform	1.4	0.10	0.049		6.6	0.49	0.24	2	3/14/24 4:27	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 4:27	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 4:27	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 4:27	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 4:27	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 4:27	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 4:27	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 4:27	TPH
Dichlorodifluoromethane (Freon 12)	0.31	0.10	0.042		1.6	0.49	0.21	2	3/14/24 4:27	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 4:27	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 4:27	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 4:27	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 4:27	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 4:27	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 4:27	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 4:27	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 4:27	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 4:27	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 4:27	TPH
Ethanol	26	4.0	2.7		49	7.5	5.0	2	3/14/24 4:27	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 4:27	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 4:27	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 4:27	TPH
Heptane	ND	0.10	0.063		ND	0.41	0.26	2	3/14/24 4:27	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 4:27	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 4:27	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 4:27	TPH
Isopropanol	ND	4.0	2.1		ND	9.8	5.2	2	3/14/24 4:27	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 4:27	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 4:27	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 4:27	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 4:27	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 4:27	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 4:27	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 4:27	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-1-28022024
Sample ID: 24C0251-07
Sample Matrix: Sub Slab
Sampled: 2/28/2024 20:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1236
Canister Size: 6 liter
Flow Controller ID: 3085
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.088	0.10	0.086	J	0.60	0.68	0.58	2	3/14/24 4:27	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 4:27	TPH
Toluene	0.17	0.10	0.050		0.65	0.38	0.19	2	3/14/24 4:27	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 4:27	TPH
1,1,1-Trichloroethane	13	0.10	0.031		72	0.55	0.17	2	3/14/24 4:27	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 4:27	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 4:27	TPH
Trichlorofluoromethane (Freon 11)	0.26	0.40	0.041	J	1.5	2.2	0.23	2	3/14/24 4:27	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.062	0.40	0.027	J	0.48	3.1	0.21	2	3/14/24 4:27	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 4:27	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 4:27	TPH
Vinyl Acetate	0.48	2.0	0.41	J	1.7	7.0	1.4	2	3/14/24 4:27	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 4:27	TPH
m&p-Xylene	0.11	0.20	0.070	J	0.46	0.87	0.30	2	3/14/24 4:27	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 4:27	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	92.1	70-130		3/14/24 4:27

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-1-28022024
Sample ID: 24C0251-08
Sample Matrix: Indoor air
Sampled: 2/28/2024 20:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 1961
Canister Size: 6 liter
Flow Controller ID: 3561
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -10.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	10	1.4	0.71		24	3.3	1.7	0.696	3/14/24 1:56	TPH
Benzene	0.43	0.035	0.011		1.4	0.11	0.034	0.696	3/14/24 1:56	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.696	3/14/24 1:56	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.696	3/14/24 1:56	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.696	3/14/24 1:56	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	3/14/24 1:56	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.11	0.696	3/14/24 1:56	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.064	0.696	3/14/24 1:56	TPH
2-Butanone (MEK)	1.6	1.4	0.68		4.8	4.1	2.0	0.696	3/14/24 1:56	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.696	3/14/24 1:56	TPH
Carbon Tetrachloride	0.20	0.035	0.027		1.3	0.22	0.17	0.696	3/14/24 1:56	TPH
Carbon Tetrachloride (SIM)	0.20	0.0070	0.0014		1.3	0.044	0.009	0.696	3/14/24 1:56	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.696	3/14/24 1:56	TPH
Chloroethane	0.033	0.035	0.032	J	0.088	0.092	0.084	0.696	3/14/24 1:56	TPH
Chloroform	0.28	0.035	0.017		1.4	0.17	0.083	0.696	3/14/24 1:56	TPH
Chloroform (SIM)	0.28	0.0070	0.0018		1.4	0.034	0.0087	0.696	3/14/24 1:56	TPH
Chloromethane	0.67	0.070	0.047		1.4	0.14	0.096	0.696	3/14/24 1:56	TPH
Cyclohexane	0.081	0.035	0.027		0.28	0.12	0.093	0.696	3/14/24 1:56	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	3/14/24 1:56	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.696	3/14/24 1:56	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	3/14/24 1:56	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	3/14/24 1:56	TPH
1,4-Dichlorobenzene	0.097	0.035	0.017		0.59	0.21	0.10	0.696	3/14/24 1:56	TPH
Dichlorodifluoromethane (Freon 12)	1.5	0.035	0.015		7.3	0.17	0.072	0.696	3/14/24 1:56	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.696	3/14/24 1:56	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.696	3/14/24 1:56	TPH
1,2-Dichloroethane	0.014	0.035	0.013	J	0.056	0.14	0.053	0.696	3/14/24 1:56	TPH
1,2-Dichloroethane (SIM)	0.017	0.0070	0.0014		0.070	0.028	0.0058	0.696	3/14/24 1:56	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.696	3/14/24 1:56	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.696	3/14/24 1:56	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.696	3/14/24 1:56	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.696	3/14/24 1:56	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.696	3/14/24 1:56	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.696	3/14/24 1:56	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.696	3/14/24 1:56	TPH
1,2-Dichloropropane (SIM)	ND	0.0070	0.0014		ND	0.032	0.0066	0.696	3/14/24 1:56	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.696	3/14/24 1:56	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.696	3/14/24 1:56	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.696	3/14/24 1:56	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.021	0.696	3/14/24 1:56	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.017	0.035	0.014	J	0.12	0.24	0.097	0.696	3/14/24 1:56	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	3/14/24 1:56	TPH
Ethanol	860	1.4	0.92	E	1600	2.6	1.7	0.696	3/14/24 1:56	TPH
Ethyl Acetate	1.2	0.35	0.14		4.3	1.3	0.49	0.696	3/14/24 1:56	TPH
Ethylbenzene	0.12	0.035	0.012		0.50	0.15	0.051	0.696	3/14/24 1:56	TPH
4-Ethyltoluene	0.027	0.035	0.015	J	0.13	0.17	0.074	0.696	3/14/24 1:56	TPH
Heptane	0.25	0.035	0.022		1.0	0.14	0.090	0.696	3/14/24 1:56	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-1-28022024
Sample ID: 24C0251-08
Sample Matrix: Indoor air
Sampled: 2/28/2024 20:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 1961
Canister Size: 6 liter
Flow Controller ID: 3561
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -10.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	3/14/24 1:56	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.696	3/14/24 1:56	TPH
2-Hexanone (MBK)	0.12	0.035	0.015		0.50	0.14	0.062	0.696	3/14/24 1:56	TPH
Isopropanol	2.3	1.4	0.73		5.6	3.4	1.8	0.696	3/14/24 1:56	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.696	3/14/24 1:56	TPH
Methylene Chloride	0.31	0.35	0.094	J	1.1	1.2	0.32	0.696	3/14/24 1:56	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.696	3/14/24 1:56	TPH
Naphthalene	0.050	0.035	0.028		0.26	0.18	0.15	0.696	3/14/24 1:56	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.696	3/14/24 1:56	TPH
Styrene	0.096	0.035	0.027		0.41	0.15	0.11	0.696	3/14/24 1:56	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	3/14/24 1:56	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.696	3/14/24 1:56	TPH
Tetrachloroethylene	0.048	0.035	0.030		0.33	0.24	0.20	0.696	3/14/24 1:56	TPH
Tetrahydrofuran	0.39	0.35	0.13		1.2	1.0	0.39	0.696	3/14/24 1:56	TPH
Toluene	0.68	0.035	0.017		2.6	0.13	0.066	0.696	3/14/24 1:56	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	3/14/24 1:56	TPH
1,1,1-Trichloroethane	0.032	0.035	0.011	J	0.17	0.19	0.059	0.696	3/14/24 1:56	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.696	3/14/24 1:56	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0048	0.696	3/14/24 1:56	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.696	3/14/24 1:56	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.696	3/14/24 1:56	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.14	0.014		1.4	0.78	0.080	0.696	3/14/24 1:56	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.15	0.14	0.0095		1.1	1.1	0.073	0.696	3/14/24 1:56	TPH
1,2,4-Trimethylbenzene	0.18	0.035	0.021		0.89	0.17	0.10	0.696	3/14/24 1:56	TPH
1,3,5-Trimethylbenzene	0.051	0.035	0.027		0.25	0.17	0.13	0.696	3/14/24 1:56	TPH
Vinyl Acetate	2.8	0.70	0.14		10	2.5	0.50	0.696	3/14/24 1:56	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.696	3/14/24 1:56	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.696	3/14/24 1:56	TPH
m&p-Xylene	0.31	0.070	0.024		1.3	0.30	0.11	0.696	3/14/24 1:56	TPH
o-Xylene	0.15	0.035	0.013		0.64	0.15	0.055	0.696	3/14/24 1:56	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	93.0	70-130	3/14/24	1:56
4-Bromofluorobenzene (1) (SIM)	97.3	70-130	3/14/24	1:56

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-OA-1-28022024
Sample ID: 24C0251-09
Sample Matrix: Ambient Air
Sampled: 2/28/2024 18:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 2197
Canister Size: 6 liter
Flow Controller ID: 3559
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	4.6	1.4	0.71		11	3.3	1.7	0.698	3/14/24 2:29	TPH
Benzene	0.066	0.035	0.011		0.21	0.11	0.034	0.698	3/14/24 2:29	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.698	3/14/24 2:29	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.698	3/14/24 2:29	TPH
Bromodichloromethane (SIM)	0.011	0.0070	0.0019		0.075	0.047	0.013	0.698	3/14/24 2:29	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	3/14/24 2:29	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.12	0.698	3/14/24 2:29	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.065	0.698	3/14/24 2:29	TPH
2-Butanone (MEK)	1.1	1.4	0.68	J	3.4	4.1	2.0	0.698	3/14/24 2:29	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	3/14/24 2:29	TPH
Carbon Tetrachloride	0.082	0.035	0.027		0.52	0.22	0.17	0.698	3/14/24 2:29	TPH
Carbon Tetrachloride (SIM)	0.073	0.0070	0.0014		0.46	0.044	0.009	0.698	3/14/24 2:29	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.698	3/14/24 2:29	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.698	3/14/24 2:29	TPH
Chloroform	0.050	0.035	0.017		0.25	0.17	0.083	0.698	3/14/24 2:29	TPH
Chloroform (SIM)	0.051	0.0070	0.0018		0.25	0.034	0.0087	0.698	3/14/24 2:29	TPH
Chloromethane	0.56	0.070	0.047		1.2	0.14	0.096	0.698	3/14/24 2:29	TPH
Cyclohexane	0.033	0.035	0.027	J	0.11	0.12	0.093	0.698	3/14/24 2:29	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.698	3/14/24 2:29	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.698	3/14/24 2:29	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	3/14/24 2:29	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	3/14/24 2:29	TPH
1,4-Dichlorobenzene	ND	0.035	0.017		ND	0.21	0.10	0.698	3/14/24 2:29	TPH
Dichlorodifluoromethane (Freon 12)	0.74	0.035	0.015		3.6	0.17	0.072	0.698	3/14/24 2:29	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.698	3/14/24 2:29	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.698	3/14/24 2:29	TPH
1,2-Dichloroethane	0.026	0.035	0.013	J	0.10	0.14	0.053	0.698	3/14/24 2:29	TPH
1,2-Dichloroethane (SIM)	0.028	0.0070	0.0014		0.11	0.028	0.0058	0.698	3/14/24 2:29	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.698	3/14/24 2:29	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.698	3/14/24 2:29	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.698	3/14/24 2:29	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.698	3/14/24 2:29	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.698	3/14/24 2:29	TPH
trans-1,2-Dichloroethylene (SIM)	0.010	0.0070	0.0017		0.041	0.028	0.0069	0.698	3/14/24 2:29	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.698	3/14/24 2:29	TPH
1,2-Dichloropropane (SIM)	ND	0.0070	0.0014		ND	0.032	0.0066	0.698	3/14/24 2:29	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.698	3/14/24 2:29	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.698	3/14/24 2:29	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.698	3/14/24 2:29	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.022	0.698	3/14/24 2:29	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.019	0.035	0.014	J	0.13	0.24	0.098	0.698	3/14/24 2:29	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	3/14/24 2:29	TPH
Ethanol	47	1.4	0.93	E	88	2.6	1.7	0.698	3/14/24 2:29	TPH
Ethyl Acetate	0.67	0.35	0.14		2.4	1.3	0.49	0.698	3/14/24 2:29	TPH
Ethylbenzene	ND	0.035	0.012		ND	0.15	0.052	0.698	3/14/24 2:29	TPH
4-Ethyltoluene	ND	0.035	0.015		ND	0.17	0.075	0.698	3/14/24 2:29	TPH
Heptane	ND	0.035	0.022		ND	0.14	0.090	0.698	3/14/24 2:29	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-OA-1-28022024
Sample ID: 24C0251-09
Sample Matrix: Ambient Air
Sampled: 2/28/2024 18:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 2197
Canister Size: 6 liter
Flow Controller ID: 3559
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	3/14/24 2:29	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.698	3/14/24 2:29	TPH
2-Hexanone (MBK)	ND	0.035	0.015		ND	0.14	0.062	0.698	3/14/24 2:29	TPH
Isopropanol	11	1.4	0.73		27	3.4	1.8	0.698	3/14/24 2:29	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	3/14/24 2:29	TPH
Methylene Chloride	0.12	0.35	0.094	J	0.40	1.2	0.33	0.698	3/14/24 2:29	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.698	3/14/24 2:29	TPH
Naphthalene	ND	0.035	0.028		ND	0.18	0.15	0.698	3/14/24 2:29	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.698	3/14/24 2:29	TPH
Styrene	ND	0.035	0.027		ND	0.15	0.12	0.698	3/14/24 2:29	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	3/14/24 2:29	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.698	3/14/24 2:29	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.698	3/14/24 2:29	TPH
Tetrahydrofuran	ND	0.35	0.13		ND	1.0	0.39	0.698	3/14/24 2:29	TPH
Toluene	ND	0.035	0.017		ND	0.13	0.066	0.698	3/14/24 2:29	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	3/14/24 2:29	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	3/14/24 2:29	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.698	3/14/24 2:29	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0049	0.698	3/14/24 2:29	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.698	3/14/24 2:29	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.698	3/14/24 2:29	TPH
Trichlorofluoromethane (Freon 11)	0.22	0.14	0.014		1.3	0.78	0.080	0.698	3/14/24 2:29	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.082	0.14	0.0095	J	0.63	1.1	0.073	0.698	3/14/24 2:29	TPH
1,2,4-Trimethylbenzene	ND	0.035	0.021		ND	0.17	0.10	0.698	3/14/24 2:29	TPH
1,3,5-Trimethylbenzene	ND	0.035	0.027		ND	0.17	0.13	0.698	3/14/24 2:29	TPH
Vinyl Acetate	ND	0.70	0.14		ND	2.5	0.50	0.698	3/14/24 2:29	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.698	3/14/24 2:29	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.698	3/14/24 2:29	TPH
m&p-Xylene	ND	0.070	0.024		ND	0.30	0.11	0.698	3/14/24 2:29	TPH
o-Xylene	ND	0.035	0.013		ND	0.15	0.055	0.698	3/14/24 2:29	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.0	70-130	3/14/24 2:29
4-Bromofluorobenzene (1) (SIM)	94.6	70-130	3/14/24 2:29

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: SSV-DUP-28022024
Sample ID: 24C0251-10
Sample Matrix: Sub Slab
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1741
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.4	4.0	2.0		20	9.5	4.8	2	3/14/24 3:31	TPH
Benzene	0.052	0.10	0.031	J	0.17	0.32	0.099	2	3/14/24 3:31	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 3:31	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 3:31	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 3:31	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 3:31	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 3:31	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 3:31	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 3:31	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 3:31	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 3:31	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 3:31	TPH
Chloroform	7.0	0.10	0.049		34	0.49	0.24	2	3/14/24 3:31	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 3:31	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 3:31	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 3:31	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 3:31	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 3:31	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 3:31	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 3:31	TPH
Dichlorodifluoromethane (Freon 12)	0.25	0.10	0.042		1.2	0.49	0.21	2	3/14/24 3:31	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 3:31	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 3:31	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 3:31	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 3:31	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 3:31	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 3:31	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 3:31	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 3:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 3:31	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 3:31	TPH
Ethanol	11	4.0	2.7		20	7.5	5.0	2	3/14/24 3:31	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 3:31	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 3:31	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 3:31	TPH
Heptane	0.11	0.10	0.063		0.44	0.41	0.26	2	3/14/24 3:31	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 3:31	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 3:31	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 3:31	TPH
Isopropanol	ND	4.0	2.1		ND	9.8	5.2	2	3/14/24 3:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 3:31	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 3:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 3:31	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 3:31	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 3:31	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 3:31	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 3:31	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: SSV-DUP-28022024
Sample ID: 24C0251-10
Sample Matrix: Sub Slab
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1741
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.11	0.10	0.086		0.77	0.68	0.58	2	3/14/24 3:31	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 3:31	TPH
Toluene	0.062	0.10	0.050	J	0.23	0.38	0.19	2	3/14/24 3:31	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 3:31	TPH
1,1,1-Trichloroethane	0.26	0.10	0.031		1.4	0.55	0.17	2	3/14/24 3:31	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 3:31	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 3:31	TPH
Trichlorofluoromethane (Freon 11)	0.28	0.40	0.041	J	1.6	2.2	0.23	2	3/14/24 3:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.10	0.40	0.027	J	0.77	3.1	0.21	2	3/14/24 3:31	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 3:31	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 3:31	TPH
Vinyl Acetate	ND	2.0	0.41		ND	7.0	1.4	2	3/14/24 3:31	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 3:31	TPH
m&p-Xylene	ND	0.20	0.070		ND	0.87	0.30	2	3/14/24 3:31	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 3:31	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	90.5	70-130	3/14/24	3:31

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: IA-DUP-28022024
Sample ID: 24C0251-11
Sample Matrix: Indoor air
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1938
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -11.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	21	1.4	0.71		49	3.3	1.7	0.696	3/14/24 3:03	TPH
Benzene	0.13	0.035	0.011		0.40	0.11	0.034	0.696	3/14/24 3:03	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.696	3/14/24 3:03	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.696	3/14/24 3:03	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.696	3/14/24 3:03	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	3/14/24 3:03	TPH
Bromomethane	0.031	0.035	0.030	J	0.12	0.14	0.11	0.696	3/14/24 3:03	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.064	0.696	3/14/24 3:03	TPH
2-Butanone (MEK)	68	1.4	0.68	E	200	4.1	2.0	0.696	3/14/24 3:03	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.696	3/14/24 3:03	TPH
Carbon Tetrachloride	0.070	0.035	0.027		0.44	0.22	0.17	0.696	3/14/24 3:03	TPH
Carbon Tetrachloride (SIM)	0.071	0.0070	0.0014		0.45	0.044	0.009	0.696	3/14/24 3:03	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.696	3/14/24 3:03	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.696	3/14/24 3:03	TPH
Chloroform	0.039	0.035	0.017		0.19	0.17	0.083	0.696	3/14/24 3:03	TPH
Chloroform (SIM)	0.041	0.0070	0.0018		0.20	0.034	0.0087	0.696	3/14/24 3:03	TPH
Chloromethane	0.64	0.070	0.047		1.3	0.14	0.096	0.696	3/14/24 3:03	TPH
Cyclohexane	0.064	0.035	0.027		0.22	0.12	0.093	0.696	3/14/24 3:03	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	3/14/24 3:03	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.696	3/14/24 3:03	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	3/14/24 3:03	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	3/14/24 3:03	TPH
1,4-Dichlorobenzene	0.074	0.035	0.017		0.45	0.21	0.10	0.696	3/14/24 3:03	TPH
Dichlorodifluoromethane (Freon 12)	0.46	0.035	0.015		2.3	0.17	0.072	0.696	3/14/24 3:03	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.696	3/14/24 3:03	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.696	3/14/24 3:03	TPH
1,2-Dichloroethane	0.089	0.035	0.013		0.36	0.14	0.053	0.696	3/14/24 3:03	TPH
1,2-Dichloroethane (SIM)	0.085	0.0070	0.0014		0.34	0.028	0.0058	0.696	3/14/24 3:03	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.696	3/14/24 3:03	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.696	3/14/24 3:03	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.696	3/14/24 3:03	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.696	3/14/24 3:03	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.696	3/14/24 3:03	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.696	3/14/24 3:03	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.696	3/14/24 3:03	TPH
1,2-Dichloropropane (SIM)	ND	0.0070	0.0014		ND	0.032	0.0066	0.696	3/14/24 3:03	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.696	3/14/24 3:03	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.696	3/14/24 3:03	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.696	3/14/24 3:03	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.021	0.696	3/14/24 3:03	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.017	0.035	0.014	J	0.12	0.24	0.097	0.696	3/14/24 3:03	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	3/14/24 3:03	TPH
Ethanol	440	1.4	0.92	E	830	2.6	1.7	0.696	3/14/24 3:03	TPH
Ethyl Acetate	0.66	0.35	0.14		2.4	1.3	0.49	0.696	3/14/24 3:03	TPH
Ethylbenzene	0.058	0.035	0.012		0.25	0.15	0.051	0.696	3/14/24 3:03	TPH
4-Ethyltoluene	0.084	0.035	0.015		0.41	0.17	0.074	0.696	3/14/24 3:03	TPH
Heptane	0.19	0.035	0.022		0.79	0.14	0.090	0.696	3/14/24 3:03	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: IA-DUP-28022024
Sample ID: 24C0251-11
Sample Matrix: Indoor air
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1938
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -11.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	3/14/24 3:03	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.696	3/14/24 3:03	TPH
2-Hexanone (MBK)	ND	0.035	0.015		ND	0.14	0.062	0.696	3/14/24 3:03	TPH
Isopropanol	27	1.4	0.73		66	3.4	1.8	0.696	3/14/24 3:03	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.696	3/14/24 3:03	TPH
Methylene Chloride	0.13	0.35	0.094	J	0.44	1.2	0.32	0.696	3/14/24 3:03	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.696	3/14/24 3:03	TPH
Naphthalene	0.059	0.035	0.028		0.31	0.18	0.15	0.696	3/14/24 3:03	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.696	3/14/24 3:03	TPH
Styrene	0.33	0.035	0.027		1.4	0.15	0.11	0.696	3/14/24 3:03	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	3/14/24 3:03	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.696	3/14/24 3:03	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.696	3/14/24 3:03	TPH
Tetrahydrofuran	ND	0.35	0.13		ND	1.0	0.39	0.696	3/14/24 3:03	TPH
Toluene	0.48	0.035	0.017		1.8	0.13	0.066	0.696	3/14/24 3:03	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	3/14/24 3:03	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.696	3/14/24 3:03	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.696	3/14/24 3:03	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0048	0.696	3/14/24 3:03	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.696	3/14/24 3:03	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.696	3/14/24 3:03	TPH
Trichlorofluoromethane (Freon 11)	0.22	0.14	0.014		1.2	0.78	0.080	0.696	3/14/24 3:03	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.069	0.14	0.0095	J	0.53	1.1	0.073	0.696	3/14/24 3:03	TPH
1,2,4-Trimethylbenzene	0.65	0.035	0.021		3.2	0.17	0.10	0.696	3/14/24 3:03	TPH
1,3,5-Trimethylbenzene	0.18	0.035	0.027		0.89	0.17	0.13	0.696	3/14/24 3:03	TPH
Vinyl Acetate	0.76	0.70	0.14		2.7	2.5	0.50	0.696	3/14/24 3:03	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.696	3/14/24 3:03	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.696	3/14/24 3:03	TPH
m&p-Xylene	0.16	0.070	0.024		0.71	0.30	0.11	0.696	3/14/24 3:03	TPH
o-Xylene	0.087	0.035	0.013		0.38	0.15	0.055	0.696	3/14/24 3:03	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	94.8	70-130	3/14/24	3:03
4-Bromofluorobenzene (1) (SIM)	95.8	70-130	3/14/24	3:03

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24C0251-04 [5AVE-IA-3-28022024]	B368535	1.74	1	N/A	1000	200	500	03/13/24
24C0251-06 [5AVE-IA-2-28022024]	B368535	1.5	1	N/A	1000	200	430	03/13/24
24C0251-08 [5AVE-IA-1-28022024]	B368535	1.74	1	N/A	1000	200	500	03/13/24
24C0251-09 [5AVE-OA-1-28022024]	B368535	1.5	1	N/A	1000	200	430	03/13/24
24C0251-11 [IA-DUP-28022024]	B368535	1.74	1	N/A	1000	200	500	03/13/24

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24C0251-01 [CVS-SV-2-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-01RE1 [CVS-SV-2-28022024]	B368536	1.5	1	N/A	1000	200	30	03/13/24
24C0251-02 [CVS-SV-1-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-03 [5AVE-SSV-3-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-05 [5AVE-SSV-2-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-07 [5AVE-SSV-1-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-10 [SSV-DUP-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Blank (B368536-BLK1)					Prepared & Analyzed: 03/13/24						
Acetone	ND	1.4									
Benzene	ND	0.034									
Benzyl chloride	ND	0.034									
Bromodichloromethane	ND	0.034									
Bromoform	ND	0.034									
Bromomethane	ND	0.034									
1,3-Butadiene	ND	0.034									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.34									
Carbon Tetrachloride	ND	0.034									
Chlorobenzene	ND	0.034									
Chloroethane	ND	0.034									
Chloroform	ND	0.034									
Chloromethane	ND	0.069									
Cyclohexane	ND	0.034									
Dibromochloromethane	ND	0.034									
1,2-Dibromoethane (EDB)	ND	0.034									
1,2-Dichlorobenzene	ND	0.034									
1,3-Dichlorobenzene	ND	0.034									
1,4-Dichlorobenzene	ND	0.034									
Dichlorodifluoromethane (Freon 12)	ND	0.034									
1,1-Dichloroethane	ND	0.034									
1,2-Dichloroethane	ND	0.034									
1,1-Dichloroethylene	ND	0.034									
cis-1,2-Dichloroethylene	ND	0.034									
trans-1,2-Dichloroethylene	ND	0.034									
1,2-Dichloropropane	ND	0.034									
cis-1,3-Dichloropropene	ND	0.034									
trans-1,3-Dichloropropene	ND	0.034									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.034									
1,4-Dioxane	ND	0.34									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.34									
Ethylbenzene	ND	0.034									
4-Ethyltoluene	ND	0.034									
Heptane	ND	0.034									
Hexachlorobutadiene	ND	0.034									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.034									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.034									
Methylene Chloride	ND	0.34									
4-Methyl-2-pentanone (MIBK)	ND	0.034									
Naphthalene	ND	0.034									
Propene	ND	1.4									
Styrene	ND	0.034									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Blank (B368536-BLK1)					Prepared & Analyzed: 03/13/24						
1,1,2,2-Tetrachloroethane	ND	0.034									
Tetrachloroethylene	ND	0.034									
Tetrahydrofuran	ND	0.34									
Toluene	ND	0.034									
1,2,4-Trichlorobenzene	ND	0.034									
1,1,1-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane	ND	0.034									
Trichloroethylene	ND	0.034									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.034									
1,3,5-Trimethylbenzene	ND	0.034									
Vinyl Acetate	ND	0.69									
Vinyl Chloride	ND	0.034									
m&p-Xylene	ND	0.069									
o-Xylene	ND	0.034									
Surrogate: 4-Bromofluorobenzene (1)	*7.28*				*8.00*		*91.0*	*70-130*			
LCS (B368536-BS1)					Prepared & Analyzed: 03/13/24						
Acetone	3.92				5.00		78.3	70-130			
Benzene	5.13				5.00		103	70-130			
Benzyl chloride	4.42				5.00		88.3	70-130			
Bromodichloromethane	4.76				5.00		95.1	70-130			
Bromoform	4.73				5.00		94.6	70-130			
Bromomethane	5.42				5.00		108	70-130			
1,3-Butadiene	4.93				5.00		98.6	70-130			
2-Butanone (MEK)	4.40				5.00		88.0	70-130			
Carbon Disulfide	5.46				5.00		109	70-130			
Carbon Tetrachloride	4.64				5.00		92.8	70-130			
Chlorobenzene	5.21				5.00		104	70-130			
Chloroethane	4.96				5.00		99.1	70-130			
Chloroform	5.39				5.00		108	70-130			
Chloromethane	4.75				5.00		95.0	70-130			
Cyclohexane	5.01				5.00		100	70-130			
Dibromochloromethane	4.93				5.00		98.7	70-130			
1,2-Dibromoethane (EDB)	5.18				5.00		104	70-130			
1,2-Dichlorobenzene	5.17				5.00		103	70-130			
1,3-Dichlorobenzene	5.77				5.00		115	70-130			
1,4-Dichlorobenzene	5.82				5.00		116	70-130			
Dichlorodifluoromethane (Freon 12)	5.04				5.00		101	70-130			
1,1-Dichloroethane	4.66				5.00		93.2	70-130			
1,2-Dichloroethane	4.41				5.00		88.1	70-130			
1,1-Dichloroethylene	4.99				5.00		99.8	70-130			
cis-1,2-Dichloroethylene	5.14				5.00		103	70-130			
trans-1,2-Dichloroethylene	4.47				5.00		89.5	70-130			
1,2-Dichloropropane	5.44				5.00		109	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
LCS (B368536-BS1)					Prepared & Analyzed: 03/13/24						
cis-1,3-Dichloropropene	5.24				5.00		105	70-130			
trans-1,3-Dichloropropene	4.88				5.00		97.6	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.88				5.00		97.7	70-130			
1,4-Dioxane	5.52				5.00		110	70-130			
Ethanol	5.16				5.00		103	70-130			
Ethyl Acetate	3.99				5.00		79.7	70-130			
Ethylbenzene	5.21				5.00		104	70-130			
4-Ethyltoluene	5.31				5.00		106	70-130			
Heptane	4.87				5.00		97.5	70-130			
Hexachlorobutadiene	4.35				5.00		87.0	70-130			
Hexane	4.11				5.00		82.1	70-130			
2-Hexanone (MBK)	4.77				5.00		95.4	70-130			
Isopropanol	4.54				5.00		90.9	70-130			
Methyl tert-Butyl Ether (MTBE)	4.56				5.00		91.1	70-130			
Methylene Chloride	4.43				5.00		88.6	70-130			
4-Methyl-2-pentanone (MIBK)	5.24				5.00		105	70-130			
Naphthalene	4.87				5.00		97.3	70-130			
Propene	5.05				5.00		101	70-130			
Styrene	5.35				5.00		107	70-130			
1,1,2,2-Tetrachloroethane	5.92				5.00		118	70-130			
Tetrachloroethylene	5.06				5.00		101	70-130			
Tetrahydrofuran	4.27				5.00		85.4	70-130			
Toluene	5.31				5.00		106	70-130			
1,2,4-Trichlorobenzene	4.46				5.00		89.2	70-130			
1,1,1-Trichloroethane	4.42				5.00		88.5	70-130			
1,1,2-Trichloroethane	5.70				5.00		114	70-130			
Trichloroethylene	4.85				5.00		97.1	70-130			
Trichlorofluoromethane (Freon 11)	4.76				5.00		95.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.24				5.00		105	70-130			
1,2,4-Trimethylbenzene	5.20				5.00		104	70-130			
1,3,5-Trimethylbenzene	5.30				5.00		106	70-130			
Vinyl Acetate	4.77				5.00		95.5	70-130			
Vinyl Chloride	5.26				5.00		105	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.38				5.00		108	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.67*				*8.00*		*95.8*	*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Duplicate (B368536-DUP1)			**Source: 24C0251-10**		Prepared: 03/13/24 Analyzed: 03/14/24						
Acetone	8.5	4.0	20	9.5		8.4			1.56	25	
Benzene	0.052	0.10	0.17	0.32		0.052			0.00	25	J
Benzyl chloride	ND	0.10	ND	0.52		ND				25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
Bromomethane	ND	0.10	ND	0.39		ND				25	
1,3-Butadiene	ND	0.10	ND	0.22		ND				25	
2-Butanone (MEK)	ND	4.0	ND	12		ND				25	
Carbon Disulfide	ND	1.0	ND	3.1		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	6.8	0.10	33	0.49		7.0			2.34	25	
Chloromethane	ND	0.20	ND	0.41		ND				25	
Cyclohexane	ND	0.10	ND	0.34		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.35	0.10	1.7	0.49		0.25			33.1	25	R-04
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	ND	0.70		ND				25	
1,4-Dioxane	ND	1.0	ND	3.6		ND				25	
Ethanol	9.2	4.0	17	7.5		11			14.2	25	
Ethyl Acetate	ND	1.0	ND	3.6		ND				25	
Ethylbenzene	ND	0.10	ND	0.43		ND				25	
4-Ethyltoluene	ND	0.10	ND	0.49		ND				25	
Heptane	0.12	0.10	0.51	0.41		0.11			13.8	25	
Hexachlorobutadiene	ND	0.10	ND	1.1		ND				25	
Hexane	ND	4.0	ND	14		ND				25	
2-Hexanone (MBK)	ND	0.10	ND	0.41		ND				25	
Isopropanol	ND	4.0	ND	9.8		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	ND	1.0	ND	3.5		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.10	ND	0.41		ND				25	
Naphthalene	ND	0.10	ND	0.52		ND				25	
Propene	ND	4.0	ND	6.9		ND				25	
Styrene	ND	0.10	ND	0.43		ND				25	

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Duplicate (B368536-DUP1)			**Source: 24C0251-10**		Prepared: 03/13/24 Analyzed: 03/14/24						
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND				25	
Tetrachloroethylene	0.12	0.10	0.84	0.68		0.11			8.40	25	
Tetrahydrofuran	ND	1.0	ND	2.9		ND				25	
Toluene	0.060	0.10	0.23	0.38		0.062			3.28	25	J
1,2,4-Trichlorobenzene	ND	0.10	ND	0.74		ND				25	
1,1,1-Trichloroethane	0.24	0.10	1.3	0.55		0.26			8.76	25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND				25	
Trichloroethylene	ND	0.10	ND	0.54		ND				25	
Trichlorofluoromethane (Freon 11)	0.26	0.40	1.5	2.2		0.28			6.69	25	J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.090	0.40	0.69	3.1		0.10			10.5	25	J
1,2,4-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
Vinyl Acetate	ND	2.0	ND	7.0		ND				25	
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
m&p-Xylene	ND	0.20	ND	0.87		ND				25	
o-Xylene	ND	0.10	ND	0.43		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	*7.38*				*8.00*		*92.3*	*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
Blank (B368535-BLK1)					Prepared & Analyzed: 03/13/24						
Acetone	ND	1.4									
Benzene	ND	0.034									
Benzyl chloride	ND	0.034									
Bromodichloromethane	ND	0.034									
Bromodichloromethane (SIM)	ND	0.0069									
Bromoform	ND	0.034									
Bromomethane	ND	0.034									
1,3-Butadiene	ND	0.034									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.34									
Carbon Tetrachloride	ND	0.034									
Carbon Tetrachloride (SIM)	ND	0.0069									
Chlorobenzene	ND	0.034									
Chloroethane	ND	0.034									
Chloroform	ND	0.034									
Chloroform (SIM)	ND	0.0069									
Chloromethane	ND	0.069									
Cyclohexane	ND	0.034									
Dibromochloromethane	ND	0.034									
1,2-Dibromoethane (EDB)	ND	0.034									
1,2-Dichlorobenzene	ND	0.034									
1,3-Dichlorobenzene	ND	0.034									
1,4-Dichlorobenzene	ND	0.034									
Dichlorodifluoromethane (Freon 12)	ND	0.034									
1,1-Dichloroethane	ND	0.034									
1,1-Dichloroethane (SIM)	ND	0.0069									
1,2-Dichloroethane	ND	0.034									
1,2-Dichloroethane (SIM)	ND	0.0069									
1,1-Dichloroethylene	ND	0.034									
1,1-Dichloroethylene (SIM)	ND	0.0069									
cis-1,2-Dichloroethylene	ND	0.034									
cis-1,2-Dichloroethylene (SIM)	ND	0.0069									
trans-1,2-Dichloroethylene	ND	0.034									
trans-1,2-Dichloroethylene (SIM)	ND	0.0069									
1,2-Dichloropropane	ND	0.034									
1,2-Dichloropropane (SIM)	ND	0.0069									
cis-1,3-Dichloropropene	ND	0.034									
cis-1,3-Dichloropropene (SIM)	ND	0.0069									
trans-1,3-Dichloropropene	ND	0.034									
trans-1,3-Dichloropropene (SIM)	ND	0.0069									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.034									
1,4-Dioxane	ND	0.34									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.34									
Ethylbenzene	ND	0.034									
4-Ethyltoluene	ND	0.034									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
Blank (B368535-BLK1)					Prepared & Analyzed: 03/13/24						
Heptane	ND	0.034									
Hexachlorobutadiene	ND	0.034									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.034									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.034									
Methylene Chloride	ND	0.34									
4-Methyl-2-pentanone (MIBK)	ND	0.034									
Naphthalene	ND	0.034									
Propene	ND	1.4									
Styrene	ND	0.034									
1,1,2,2-Tetrachloroethane	ND	0.034									
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0069									
Tetrachloroethylene	ND	0.034									
Tetrahydrofuran	ND	0.34									
Toluene	ND	0.034									
1,2,4-Trichlorobenzene	ND	0.034									
1,1,1-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane (SIM)	ND	0.0069									
Trichloroethylene	ND	0.034									
Trichloroethylene (SIM)	ND	0.0069									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.034									
1,3,5-Trimethylbenzene	ND	0.034									
Vinyl Acetate	ND	0.69									
Vinyl Chloride	ND	0.034									
Vinyl Chloride (SIM)	ND	0.0069									
m&p-Xylene	ND	0.069									
o-Xylene	ND	0.034									
Surrogate: 4-Bromofluorobenzene (1)	*7.28*				*8.00*		*91.0*	*70-130*			
Surrogate: 4-Bromofluorobenzene (1) (SIM)	*7.45*				*8.00*		*93.2*	*70-130*			

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
LCS (B368535-BS1)					Prepared & Analyzed: 03/13/24						
Acetone	3.92				5.00		78.3	70-130			
Benzene	5.13				5.00		103	70-130			
Benzyl chloride	4.42				5.00		88.3	70-130			
Bromodichloromethane	4.76				5.00		95.1	70-130			
Bromodichloromethane (SIM)	4.62				5.00		92.5	70-130			
Bromoform	4.73				5.00		94.6	70-130			
Bromomethane	5.42				5.00		108	70-130			
1,3-Butadiene	4.93				5.00		98.6	70-130			
2-Butanone (MEK)	4.40				5.00		88.0	70-130			
Carbon Disulfide	5.46				5.00		109	70-130			
Carbon Tetrachloride	4.64				5.00		92.8	70-130			
Carbon Tetrachloride (SIM)	4.56				5.00		91.2	70-130			
Chlorobenzene	5.21				5.00		104	70-130			
Chloroethane	4.96				5.00		99.1	70-130			
Chloroform	5.39				5.00		108	70-130			
Chloroform (SIM)	5.43				5.00		109	70-130			
Chloromethane	4.75				5.00		95.0	70-130			
Cyclohexane	5.01				5.00		100	70-130			
Dibromochloromethane	4.93				5.00		98.7	70-130			
1,2-Dibromoethane (EDB)	5.18				5.00		104	70-130			
1,2-Dichlorobenzene	5.17				5.00		103	70-130			
1,3-Dichlorobenzene	5.77				5.00		115	70-130			
1,4-Dichlorobenzene	5.82				5.00		116	70-130			
Dichlorodifluoromethane (Freon 12)	5.04				5.00		101	70-130			
1,1-Dichloroethane	4.66				5.00		93.2	70-130			
1,1-Dichloroethane (SIM)	4.76				5.00		95.1	70-130			
1,2-Dichloroethane	4.41				5.00		88.1	70-130			
1,2-Dichloroethane (SIM)	4.48				5.00		89.6	70-130			
1,1-Dichloroethylene	4.99				5.00		99.8	70-130			
1,1-Dichloroethylene (SIM)	4.98				5.00		99.6	70-130			
cis-1,2-Dichloroethylene	5.14				5.00		103	70-130			
cis-1,2-Dichloroethylene (SIM)	5.13				5.00		103	70-130			
trans-1,2-Dichloroethylene	4.47				5.00		89.5	70-130			
trans-1,2-Dichloroethylene (SIM)	4.57				5.00		91.4	70-130			
1,2-Dichloropropane	5.44				5.00		109	70-130			
1,2-Dichloropropane (SIM)	5.47				5.00		109	70-130			
cis-1,3-Dichloropropene	5.24				5.00		105	70-130			
cis-1,3-Dichloropropene (SIM)	5.11				5.00		102	70-130			
trans-1,3-Dichloropropene	4.88				5.00		97.6	70-130			
trans-1,3-Dichloropropene (SIM)	4.58				5.00		91.7	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.88				5.00		97.7	70-130			
1,4-Dioxane	5.52				5.00		110	70-130			
Ethanol	5.16				5.00		103	70-130			
Ethyl Acetate	3.99				5.00		79.7	70-130			
Ethylbenzene	5.21				5.00		104	70-130			
4-Ethyltoluene	5.31				5.00		106	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
LCS (B368535-BS1)					Prepared & Analyzed: 03/13/24						
Heptane	4.87				5.00		97.5	70-130			
Hexachlorobutadiene	4.35				5.00		87.0	70-130			
Hexane	4.11				5.00		82.1	70-130			
2-Hexanone (MBK)	4.77				5.00		95.4	70-130			
Isopropanol	4.54				5.00		90.9	70-130			
Methyl tert-Butyl Ether (MTBE)	4.56				5.00		91.1	70-130			
Methylene Chloride	4.43				5.00		88.6	70-130			
4-Methyl-2-pentanone (MIBK)	5.24				5.00		105	70-130			
Naphthalene	4.87				5.00		97.3	70-130			
Propene	5.05				5.00		101	70-130			
Styrene	5.35				5.00		107	70-130			
1,1,2,2-Tetrachloroethane	5.92				5.00		118	70-130			
1,1,2,2-Tetrachloroethane (SIM)	5.73				5.00		115	70-130			
Tetrachloroethylene	5.06				5.00		101	70-130			
Tetrahydrofuran	4.27				5.00		85.4	70-130			
Toluene	5.31				5.00		106	70-130			
1,2,4-Trichlorobenzene	4.46				5.00		89.2	70-130			
1,1,1-Trichloroethane	4.42				5.00		88.5	70-130			
1,1,2-Trichloroethane	5.70				5.00		114	70-130			
1,1,2-Trichloroethane (SIM)	5.56				5.00		111	70-130			
Trichloroethylene	4.85				5.00		97.1	70-130			
Trichloroethylene (SIM)	4.95				5.00		99.0	70-130			
Trichlorofluoromethane (Freon 11)	4.76				5.00		95.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.24				5.00		105	70-130			
1,2,4-Trimethylbenzene	5.20				5.00		104	70-130			
1,3,5-Trimethylbenzene	5.30				5.00		106	70-130			
Vinyl Acetate	4.77				5.00		95.5	70-130			
Vinyl Chloride	5.26				5.00		105	70-130			
Vinyl Chloride (SIM)	5.54				5.00		111	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.38				5.00		108	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.67*				*8.00*		*95.8*	*70-130*			
Surrogate: 4-Bromofluorobenzene (1) (SIM)	*7.90*				*8.00*		*98.8*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
E	Reported result is estimated. Value reported over verified calibration range.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
R-04	Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

ANALYST

TPH	Thomas P. Hnitecki
LAW	Lisa A. Worthington
KKS	Kyle K. Stuckey
KMC	Kristen M Couture
CMR	Catherine M. Rouleau

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
Bromochloromethane (1) (SIM)	336778	2.87	346621	2.869	97	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	921817	3.543	942388	3.543	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	904634	5.205	924670	5.205	98	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101689-CCV1)			Lab File ID: L24A073003.D			Analyzed: 03/13/24 10:26			
Bromochloromethane (1)	206731	2.869	314027	2.871	66	60 - 140	-0.0020	+/-0.50	
Bromochloromethane (1) (SIM)	227340	2.867	346621	2.869	66	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538	895773	3.54	72	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	684948	3.541	942388	3.543	73	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195	837397	5.202	68	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	631395	5.198	924670	5.205	68	60 - 140	-0.0070	+/-0.50	
LCS (B368535-BS1)			Lab File ID: L24A073025.D			Analyzed: 03/13/24 22:21			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	227114	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	675850	3.541	684948	3.541	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	620321	5.199	631395	5.198	98	60 - 140	0.0010	+/-0.50	
Blank (B368535-BLK1)			Lab File ID: L24A073028.D			Analyzed: 03/13/24 23:50			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1) (SIM)	227549	2.866	227340	2.867	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	638847	3.539	684948	3.541	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	600871	5.196	631395	5.198	95	60 - 140	-0.0020	+/-0.50	
5AVE-IA-3-28022024 (24C0251-04)			Lab File ID: L24A073030.D			Analyzed: 03/14/24 00:50			
Bromochloromethane (1)	206552	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	226413	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	616029	3.537	642665	3.538	96	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	656919	3.54	684948	3.541	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	573033	5.196	571989	5.195	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627423	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
5AVE-IA-2-28022024 (24C0251-06)			Lab File ID: L24A073031.D			Analyzed: 03/14/24 01:23			
Bromochloromethane (1)	203914	2.869	206731	2.869	99	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225897	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	614929	3.538	642665	3.538	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	655387	3.541	684948	3.541	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	579324	5.196	571989	5.195	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	646489	5.199	631395	5.198	102	60 - 140	0.0010	+/-0.50	
5AVE-IA-1-28022024 (24C0251-08)			Lab File ID: L24A073032.D			Analyzed: 03/14/24 01:56			
Bromochloromethane (1)	206000	2.864	206731	2.869	100	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	227833	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	626319	3.538	642665	3.538	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	668036	3.536	684948	3.541	98	60 - 140	-0.0050	+/-0.50	
Chlorobenzene-d5 (1)	568987	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627320	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	
5AVE-OA-1-28022024 (24C0251-09)			Lab File ID: L24A073033.D			Analyzed: 03/14/24 02:29			
Bromochloromethane (1)	208377	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225088	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	607165	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	646656	3.54	684948	3.541	94	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	547385	5.194	571989	5.195	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	603912	5.197	631395	5.198	96	60 - 140	-0.0010	+/-0.50	
IA-DUP-28022024 (24C0251-11)			Lab File ID: L24A073034.D			Analyzed: 03/14/24 03:03			
Bromochloromethane (1)	204351	2.864	206731	2.869	99	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	221959	2.866	227340	2.867	98	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	606534	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	647380	3.54	684948	3.541	95	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	572039	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	634361	5.198	631395	5.198	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101690-CCV1)			Lab File ID: L24A073003.D			Analyzed: 03/13/24 10:26			
Bromochloromethane (1)	206731	2.869	314027	2.871	66	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538	895773	3.54	72	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195	837397	5.202	68	60 - 140	-0.0070	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B368536-BS1)			Lab File ID: L24A073025.D			Analyzed: 03/13/24 22:21			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Blank (B368536-BLK1)			Lab File ID: L24A073028.D			Analyzed: 03/13/24 23:50			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
SSV-DUP-28022024 (24C0251-10)			Lab File ID: L24A073035.D			Analyzed: 03/14/24 03:31			
Bromochloromethane (1)	212153	2.869	206731	2.869	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	641467	3.543	642665	3.538	100	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	583657	5.195	571989	5.195	102	60 - 140	0.0000	+/-0.50	
Duplicate (B368536-DUP1)			Lab File ID: L24A073036.D			Analyzed: 03/14/24 03:59			
Bromochloromethane (1)	208764	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	629868	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	563581	5.194	571989	5.195	99	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-1-28022024 (24C0251-07)			Lab File ID: L24A073037.D			Analyzed: 03/14/24 04:27			
Bromochloromethane (1)	200252	2.874	206731	2.869	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	623344	3.542	642665	3.538	97	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	565705	5.2	571989	5.195	99	60 - 140	0.0050	+/-0.50	
5AVE-SSV-2-28022024 (24C0251-05)			Lab File ID: L24A073038.D			Analyzed: 03/14/24 04:55			
Bromochloromethane (1)	203097	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	598684	3.543	642665	3.538	93	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	560669	5.194	571989	5.195	98	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-3-28022024 (24C0251-03)			Lab File ID: L24A073039.D			Analyzed: 03/14/24 05:23			
Bromochloromethane (1)	211262	2.875	206731	2.869	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	631009	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	577545	5.2	571989	5.195	101	60 - 140	0.0050	+/-0.50	
CVS-SV-1-28022024 (24C0251-02)			Lab File ID: L24A073040.D			Analyzed: 03/14/24 05:51			
Bromochloromethane (1)	205775	2.874	206731	2.869	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	608703	3.542	642665	3.538	95	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	570925	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
CVS-SV-2-28022024 (24C0251-01)			Lab File ID: L24A073041.D			Analyzed: 03/14/24 06:19			
Bromochloromethane (1)	204167	2.874	206731	2.869	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	634222	3.543	642665	3.538	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	582694	5.2	571989	5.195	102	60 - 140	0.0050	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CVS-SV-2-28022024 (24C0251-01RE1)			Lab File ID: L24A073042.D			Analyzed: 03/14/24 06:46			
Bromochloromethane (1)	202504	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	620519	3.548	642665	3.538	97	60 - 140	0.0100	+/-0.50	
Chlorobenzene-d5 (1)	564269	5.199	571989	5.195	99	60 - 140	0.0040	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S101689-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromodichloromethane (SIM)	A	5.00	4.93	0.5743019	0.5663239		-1.4	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Carbon Tetrachloride (SIM)	A	5.00	4.52	0.5332034	0.4817557		-9.6	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.4446898	0.4076254		-8.3	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloroform (SIM)	A	5.00	5.58	1.412267	1.576388		11.6	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,1-Dichloroethane (SIM)	A	5.00	4.93	1.364703	1.346121		-1.4	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,2-Dichloroethane (SIM)	A	5.00	4.74	0.9344152	0.8853347		-5.3	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
1,1-Dichloroethylene (SIM)	A	5.00	5.10	1.12193	1.145583		2.1	30
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
cis-1,2-Dichloroethylene (SIM)	A	5.00	5.29	0.9161508	0.9694027		5.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
trans-1,2-Dichloroethylene (SIM)	A	5.00	4.75	1.114117	1.058348		-5.0	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
1,2-Dichloropropane (SIM)	A	5.00	5.48	0.2591701	0.2839643		9.6	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
cis-1,3-Dichloropropene (SIM)	A	5.00	5.68	0.4009411	0.4550465		13.5	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S101689-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30
trans-1,3-Dichloropropene (SIM)	A	5.00	4.52	0.3762266	0.3400083		-9.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30
1,1,2,2-Tetrachloroethane (SIM)	A	5.00	6.12	0.6792109	0.8308713		22.3	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
1,1,2-Trichloroethane (SIM)	A	5.00	5.84	0.311765	0.3641917		16.8	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichloroethylene (SIM)	A	5.00	5.07	0.3364263	0.3410011		1.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
Vinyl Chloride (SIM)	A	5.00	5.72	0.6696573	0.766035		14.4	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101689-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101690-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.411751	0.4076254		-1.0	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101690-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	NY,ME,NH
Acetone	NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
Bromomethane	FL,NJ,NY,ME,NH
1,3-Butadiene	NJ,NY,ME,NH,VA
1,3-Butadiene	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Isopropanol	NY,ME,NH
Isopropanol	NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Pace Analytical
2402251

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	EA Engineering
Address:	269 W. Jefferson St, Syracuse, NY 13202
Phone:	315 350 1346 (Sampler)
Project Name:	South Shore Outdoor
Project Location:	Bayshore, NY
Project Number:	NYSDEC 152228A EA #16025 33
Project Manager:	Kritika Thapa
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Moriah Gilkey

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other: Cat B
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	TO-15 SIM			" Hg			Please fill out completely, sign, date and retain the yellow copy for your records
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply
															For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID / Flow Controller ID
01	CVS-SV-2-28022024	2/28/24 1417	2/28/24 1618	121	0.05	SG	6.0	X				-30	-6	10.3	1304 / 4402
02	CVS-SV-1-28022024	2/28/24 1428	2/28/24 1623	115	0.05	SG	5.75	X				-29	-5	9.5	1984 / 4446
03	SAVE-SSV-3-28022024	2/28/24 1134	2/28/24 1932	478	0.0125	SS	5.8	X				-31	-10	9.3	1982 / 3336
04	SAVE-IA-3-28022024	2/28/24 1137	2/28/24 1938	481	0.0125	IA	6.0		X			-31	-11	10.7	1056 / 3160
05	SAVE-SSV-2-28022024	2/28/24 1055	2/28/24 1834	459	0.0125	SS	5.74	X				-30	-8	8.4	2023 / 5082
06	SAVE-IA-2-28022024	2/28/24 1103	2/28/24 1830	447	0.0125	IA	5.59		X			-28	-9	9.7	1961 / 5096
07	SAVE-SSV-1-28022024	2/28/24 1222	2/28/24 2053	511	0.0125	SS	6.0	X				-30	-10	9.8	1236 / 3085
08	SAVE-IA-1-28022024	2/28/24 1225	2/28/24 2051	506	0.0125	IA	6.0		X			-30	-10	10.5	1961 / 3561
09	SAVE-OA-1-28022024	2/28/24 1024	2/28/24 1822	478	0.0125	AMB	5.98	X				-29	-9	8.8	2197 / 3559

Comments:
1 unused air can returned — labeled on tag
Request NYSDEC EQUIS EDD Mg/m³

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/1/24 1730	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 3/1 1300	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 3/1 1740		MCP Certification Form Required
Received by: (signature)	Date/Time: 3/1/24 1700	CT	☐ CT RCP Required
Relinquished by: (signature)	Date/Time:		RCP Certification Form Required
Received by: (signature)	Date/Time:	Other:	☐ Other

Pace Analytical
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical

24C0251

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

see page 1

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Quote Name/Number:
Invoice Recipient:
Sampled By:

Required Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverable
CLP Like Data Pkg Required: ☐
Email To: kthapa@pearl.com
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	TO-15 SIM		" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	m³/min L/min	Code	☒ Liters ☐ m³				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	SSV-DUP-2802202 4	2/28/24	2/28/24	—	0.0125	SS	6	X			-30	-8	8.3	1741	5082
11	IA-DUP-2802202 4	2/28/24	2/28/24	—	0.0125	IA	6		X		-28	-9	11.4	1938	5096

Comments:
see page 1

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1230 3/1/24	
Received by: (signature)	Date/Time: 3/1 1300	
Relinquished by: (signature)	Date/Time: 3/1 1700	
Received by: (signature)	Date/Time: 3/1/24 1700	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☐ CT RCP Required
☐ RCP Certification Form Required
☐ Other

Pace Analytical

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required

Deliverable Package Requirement Cat B

Location Bayshore, NY

PWSID# (When Applicable)

Arrival Method Courier

Received By / Date / Time KMC 3/1/24 1700

Back-Sheet By / Date / Time KMC 3/4/24 1030

Temperature Method #

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	12	6L	10	8hr, 2hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector	2	Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s															
1	1304	5	2023	10	1741	15		Regs #'s		5	5082	10	5082	15	
2	1984	6	1966	11	1938	16		1	4402	6	5096	11	5096	16	
3	1982	7	1236	12		17		2	4446	7	3085	12		17	
4	1056	8	1931	13		18		3	3336	8	3561	13		18	
Unused Media		9	2197	14		19		4	3160	9	3559	14		19	
1	2203	4		9		14		Pufs/TO-17's		5		10		15	
2	3186	5		10		15		1		6		11		16	
3		6		11		16		2		7		12		17	
4		7		12		17		3		8		13		18	
		8		13		18		4		9		14		19	

Qualtrax ID: 127034

Page 1 of 1

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/13/2024 **Batch #:** 24CC0132

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:			
	BC1966	BC1938	

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 3/15/24

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/13/2024 **Batch #:** 24CC0134

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:	BC1984	BC1982	BC2023
	BC1961	BC1741	

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 3/15/24

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/13/2024 **Batch #:** 24CC0136

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:			
	BC1304	BC1056	BC1236
	BC2197		

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 3/15/24

AIR

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01	File ID:	L24A073041.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:19
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.3	2.0	4.0	J
71-43-2	Benzene	0.29	0.031	0.10	
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide	0.47	0.19	1.0	J
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	0.42	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.52	0.042	0.10	
75-34-3	1,1-Dichloroethane	2.5	0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene	0.086	0.070	0.10	J
156-59-2	cis-1,2-Dichloroethylene	1.8	0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene	0.16	0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01	File ID:	L24A073041.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:19
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol		2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene	0.62	0.034	0.10	
622-96-8	4-Ethyltoluene	0.34	0.043	0.10	
142-82-5	Heptane	0.46	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene	0.83	0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	19	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	1.1	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	42	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.83	0.041	0.40	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.072	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene	1.6	0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene	0.39	0.077	0.10	
108-05-4	Vinyl Acetate	0.54	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	
179601-23-1	m&p-Xylene	2.0	0.070	0.20	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01	File ID:	L24A073041.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:19
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
95-47-6	o-Xylene	0.91	0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073041.D Vial: 36
Acq On : 14 Mar 2024 06:19 am Operator: CMR
Sample : 24C0251-01 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:18 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073041.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	204167	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	634222	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	582694	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	221893	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.546	114	655992	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	637367	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.857	174	297044	7.406	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.63%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	308173	7.553	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.38%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.524	85	11843	0.262	PPBV	94
10) ACROLEIN	1.902	56	1532	0.189	PPBV #	1
11) ACETONE	1.943	43	46964	1.640	PPBV #	65
12) TRICHLOROFLUOROMETHANE	2.005	101	19218m	0.414	PPBV	
13) ETHANOL	1.816	45	3121	0.706	PPBV	99
14) 1,1-DICHLOROETHENE	2.185	61	1225	0.043	PPBV #	59
15) METHYLENE CHLORIDE	2.217	49	2080	0.094	PPBV #	79
16) FREON 113	2.312	101	1308	0.036	PPBV	93
17) CARBON DISULFIDE	2.312	76	12490	0.237	PPBV	96
18) TRANS-1,2-DICHLOROETHENE	2.508	61	2352	0.082	PPBV #	69
19) 1,1-DICHLOROETHANE	2.567	63	44538	1.253	PPBV	96
20) MTBE	2.593	73	1195	0.022	PPBV #	38
21) IPA	2.020	45	7054	0.234	PPBV	79
22) 2-BUTANONE(MEK)	2.694	43	7837	0.222	PPBV	87
23) CIS-1,2-DICHLOROETHENE	2.821	61	20927	0.902	PPBV	81
24) VINYL ACETATE	2.609	43	10013	0.268	PPBV	95
25) HEXANE	2.906	41	4609	0.243	PPBV	85
27) CHLOROFORM	2.922	83	7680	0.209	PPBV	100
31) 1,1,1-TRICHLOROETHANE	3.250	97	841911	20.922	PPBV	96
32) BENZENE	3.411	78	8228	0.143	PPBV	99
33) CARBON TETRACHLORIDE	3.464	117	412	0.010	PPBV #	67
34) CYCLOHEXANE	3.506	84	885	0.037	PPBV #	62
37) TRICHLOROETHENE	3.790	95	1398984	52.573	PPBV	96
40) HEPTANE	3.923	57	4199	0.232	PPBV	98
46) TOLUENE	4.494	91	36961	0.541	PPBV	95
50) TETRACHLOROETHENE	4.944	166	289841	9.532	PPBV	99
52) ETHYLBENZENE	5.386	91	26428	0.308	PPBV	98
53) M/P-XYLENE	5.460	91	72472	1.025	PPBV	92
55) STYRENE	5.614	104	1538	0.032	PPBV	84
56) O-XYLENE	5.656	91	31585	0.454	PPBV	94
59) 4-ETHYLTOLUENE	6.230	105	15290m	0.168	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	15113	0.197	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	58528	0.787	PPBV	100
64) 1,4-DICHLOROBENZENE	6.573	146	441	0.010	PPBV #	1
66) 1,2,4-TRICHLOROBENZENE	7.739	180	733	0.027	PPBV	85
67) NAPHTHALENE	7.795	128	28758	0.414	PPBV	100
68) HEXACHLOROBUTADIENE	8.046	225	772	0.022	PPBV #	51
71] 1,1-DICHLOROETHENE (SIM)	2.188	61	1212	0.039	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.511	61	2682	0.087	PPBV	90
73] 1,1-DICHLOROETHANE (SIM)	2.570	63	49683	1.313	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073041.D Vial: 36
Acq On : 14 Mar 2024 06:19 am Operator: CMR
Sample : 24C0251-01 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:18 2024

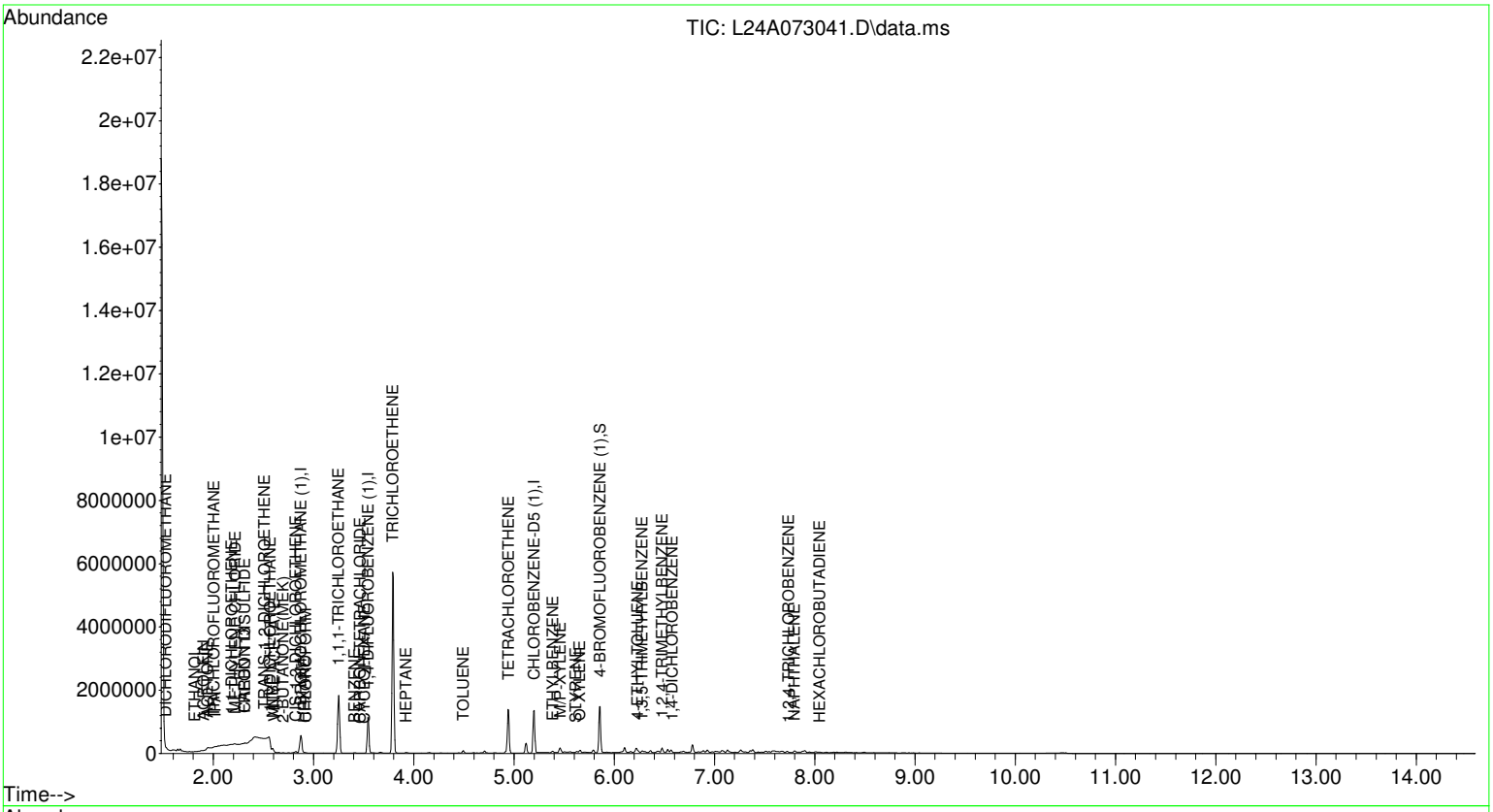
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073041.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

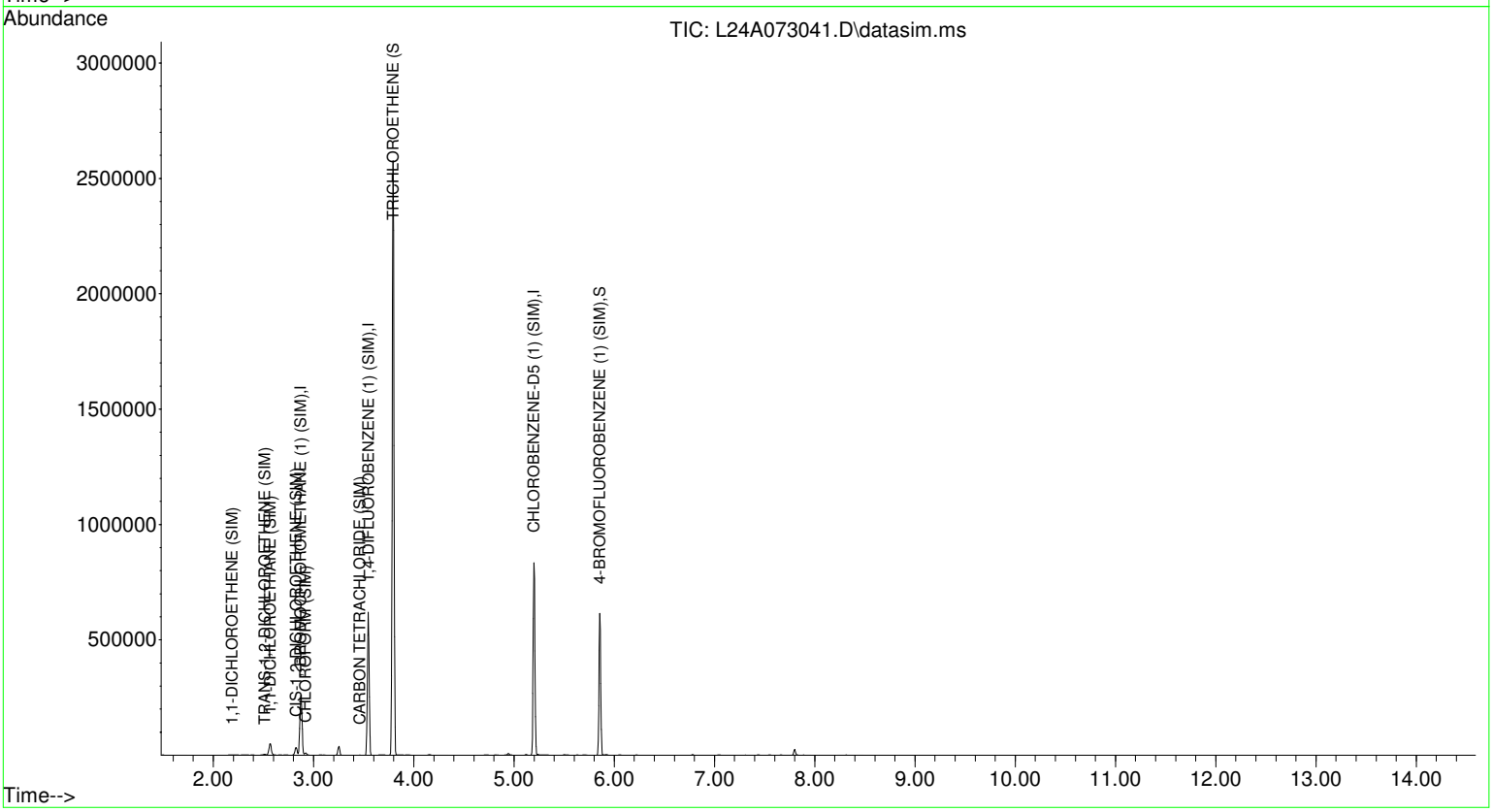
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74] CIS-1,2-DICHLOROETHENE...	2.824	61	23265	0.916	PPBV	87
75] CHLOROFORM (SIM)	2.920	83	7928	0.202	PPBV	97
78] CARBON TETRACHLORIDE (...	3.461	117	450	0.010	PPBV	100
81] TRICHLOROETHENE (SIM)	3.793	95	1506072	54.594	PPBV	100

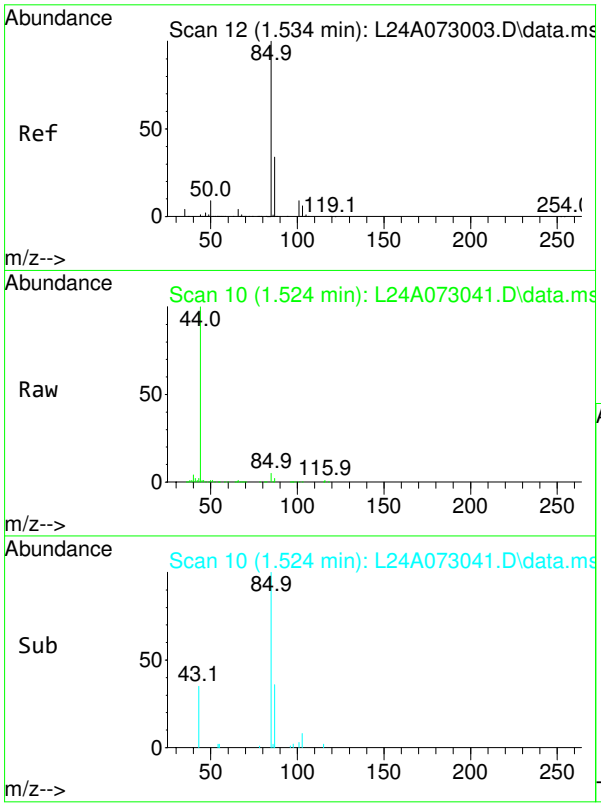
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073041.D Vial: 36
Acq On : 14 Mar 2024 06:19 am Operator: CMR
Sample : 24C0251-01 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:18 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073041.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



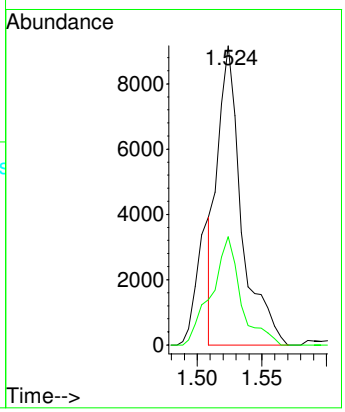


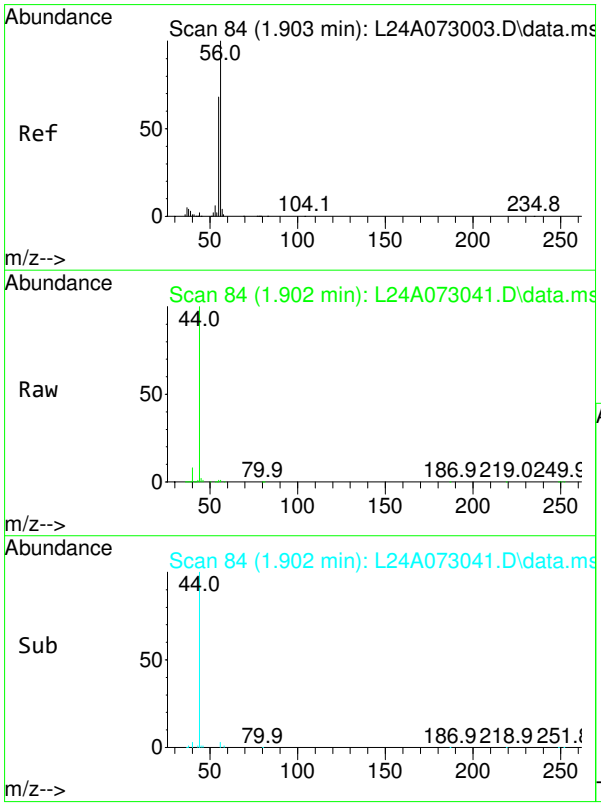


#3
DICHLORODIFLUOROMETHANE
Concen: 0.26 PPBV
RT: 1.524 min Scan# 10
Delta R.T. -0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 85 Resp: 11843

Ion	Ratio	Lower	Upper
85	100		
87	35.3	12.0	52.0

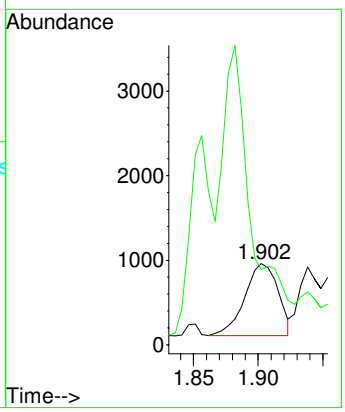


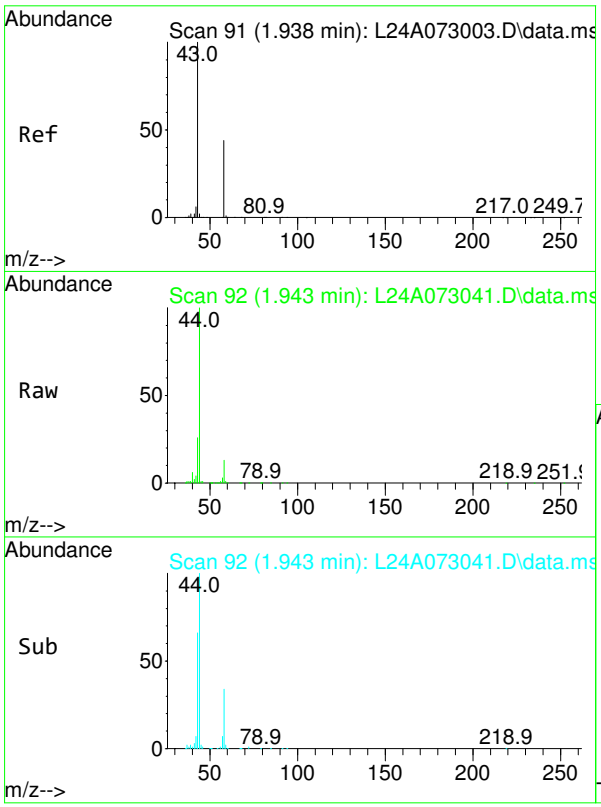


#10
ACROLEIN
Concen: 0.19 PPBV
RT: 1.902 min Scan# 84
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 56 Resp: 1532

Ion	Ratio	Lower	Upper
56	100		
55	262.7	51.4	91.4#

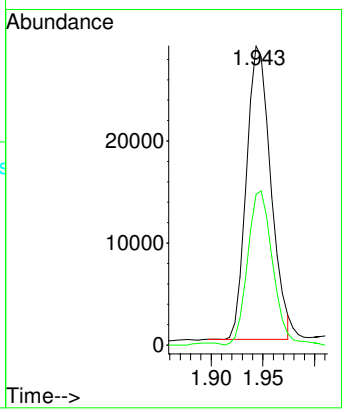


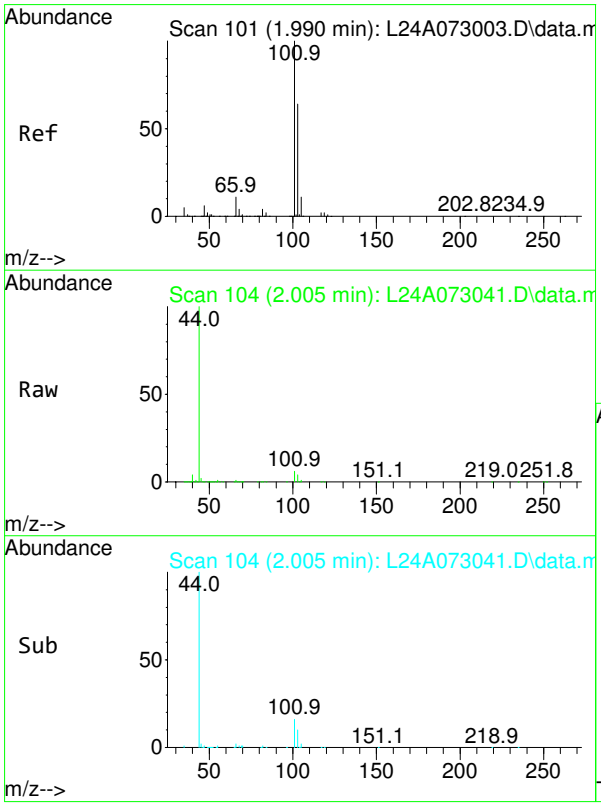


#11
ACETONE
Concen: 1.64 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 43 Resp: 46964

Ion	Ratio	Lower	Upper
43	100		
58	53.1	13.1	53.1#

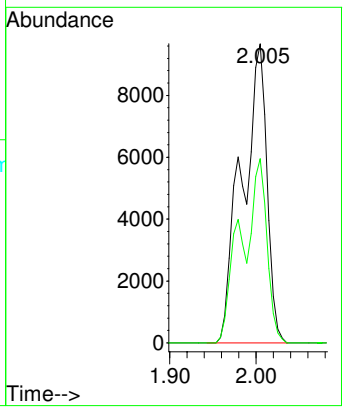


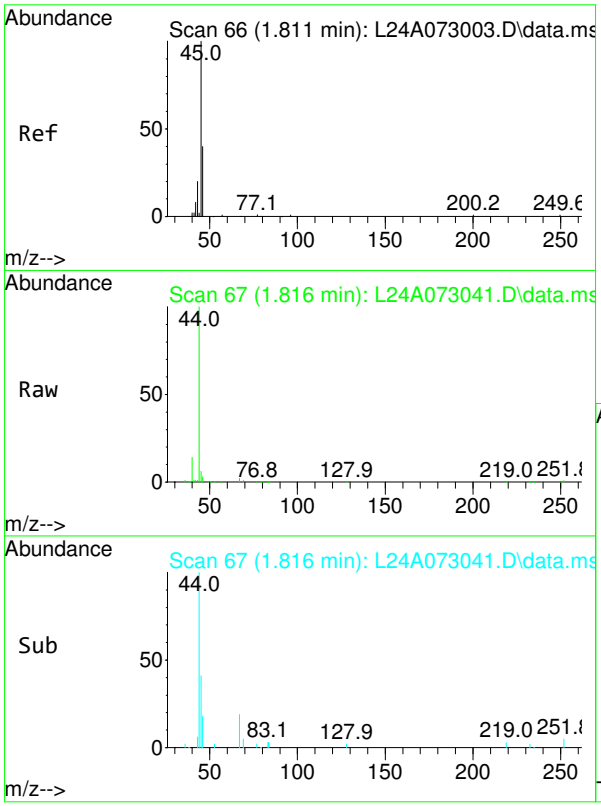


#12
TRICHLOROFLUOROMETHANE
Concen: 0.41 PPBV m
RT: 2.005 min Scan# 104
Delta R.T. 0.018 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:101 Resp: 19218

Ion	Ratio	Lower	Upper
101	100		
103	26.0	44.7	84.7#

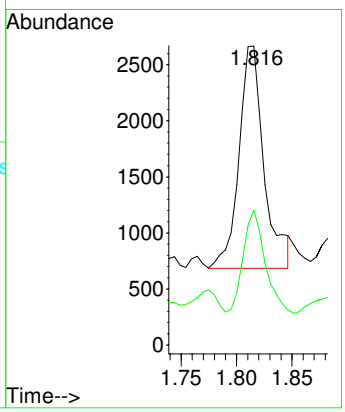


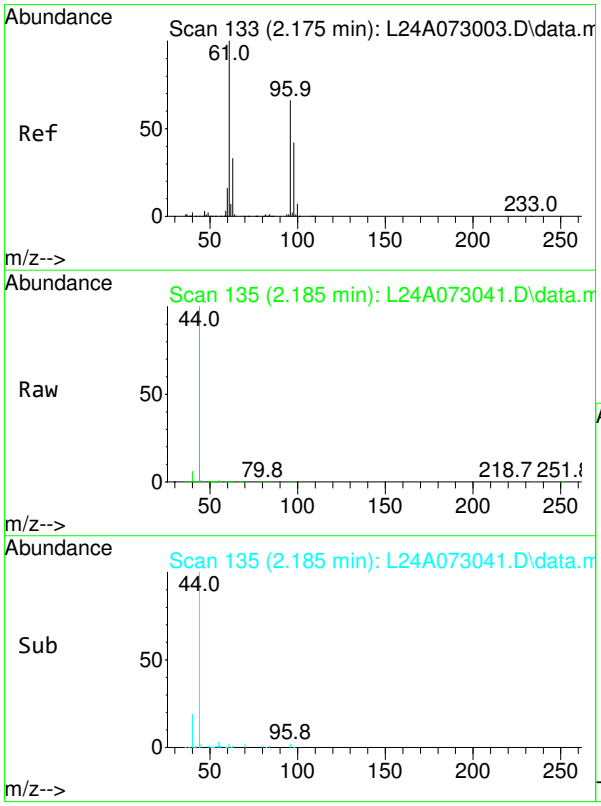


#13
ETHANOL
Concen: 0.71 PPBV
RT: 1.816 min Scan# 67
Delta R.T. 0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 45 Resp: 3121

Ion	Ratio	Lower	Upper
45	100		
46	39.6	20.5	60.5

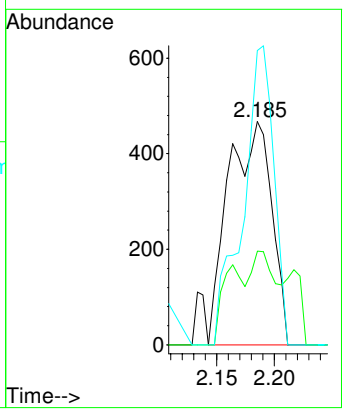


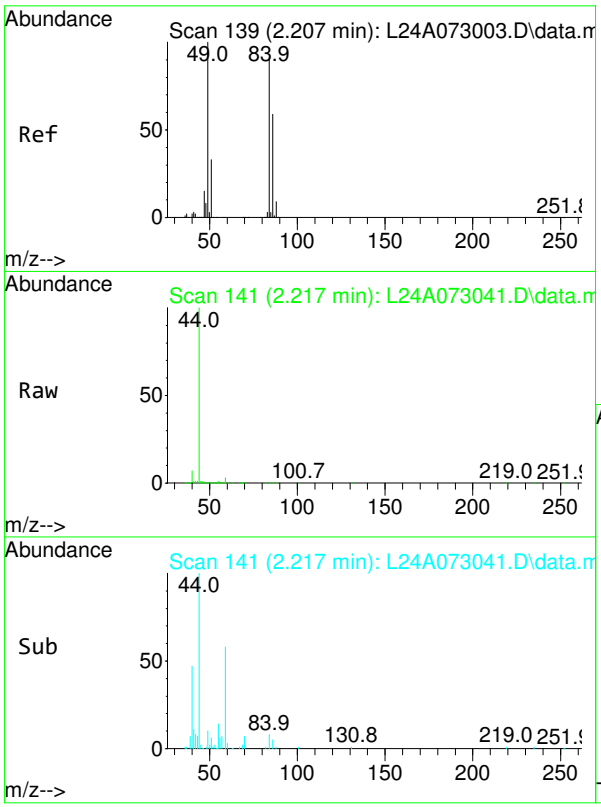


#14
1,1-DICHLOROETHENE
Concen: 0.04 PPBV
RT: 2.185 min Scan# 135
Delta R.T. 0.009 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 1225

Ion	Ratio	Lower	Upper
61	100		
63	42.7	11.7	51.7
96	95.0	36.7	76.7#

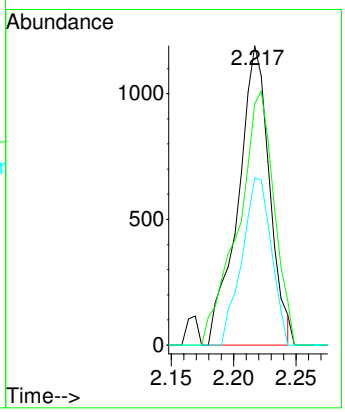


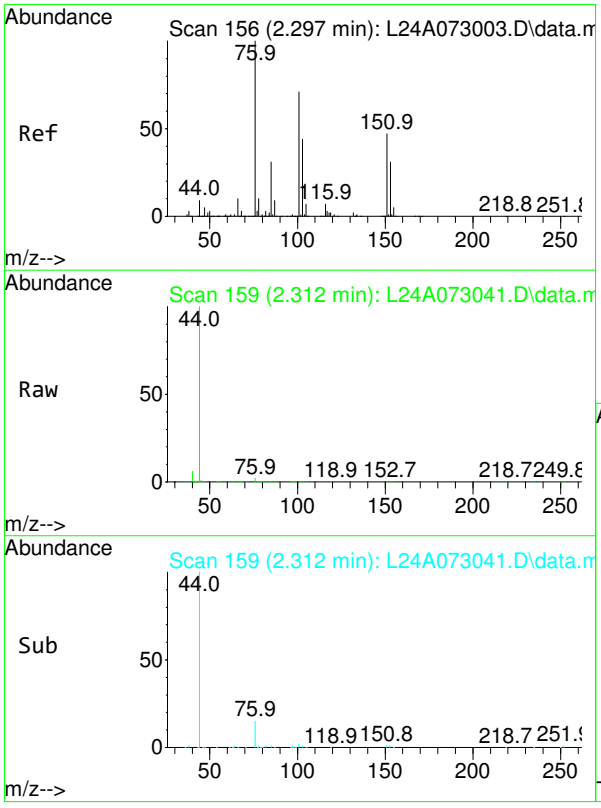


#15
METHYLENE CHLORIDE
Concen: 0.09 PPBV
RT: 2.217 min Scan# 141
Delta R.T. 0.009 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 49 Resp: 2080

Ion	Ratio	Lower	Upper
49	100		
84	96.8	52.0	92.0#
86	52.2	27.3	67.3

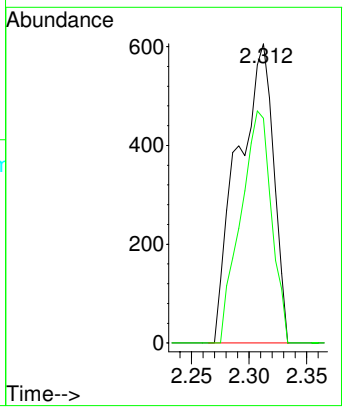


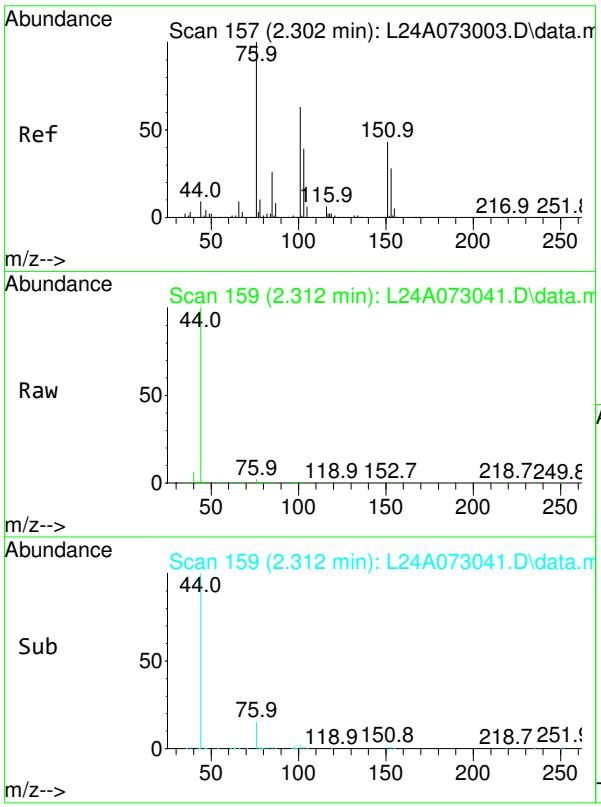


#16
FREON 113
Concen: 0.04 PPBV
RT: 2.312 min Scan# 159
Delta R.T. 0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:101 Resp: 1308

Ion	Ratio	Lower	Upper
101	100		
151	66.6	52.3	92.3

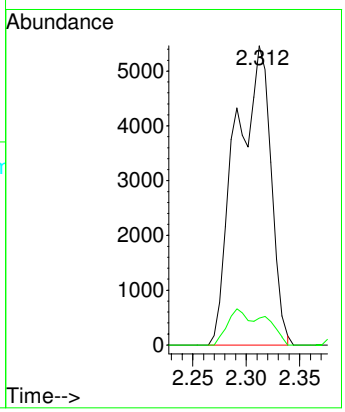


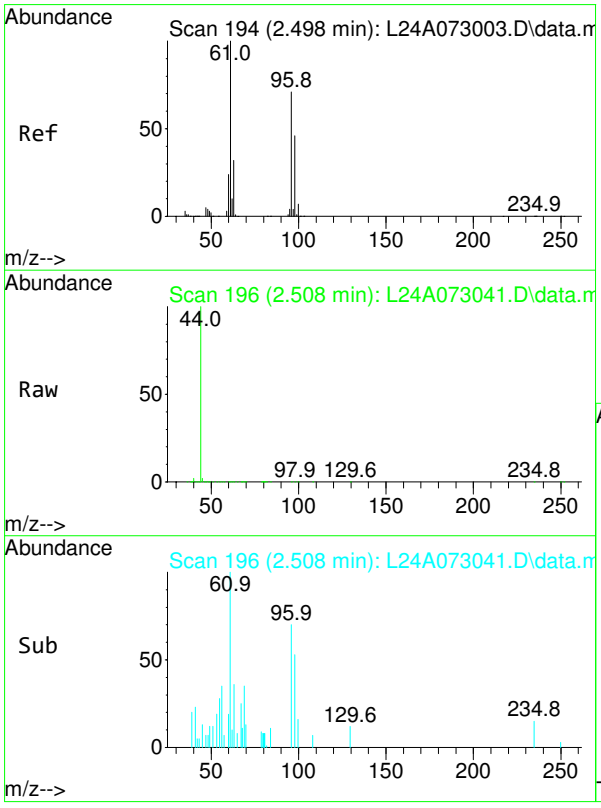


#17
CARBON DISULFIDE
Concen: 0.24 PPBV
RT: 2.312 min Scan# 159
Delta R.T. 0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 76 Resp: 12490

Ion	Ratio	Lower	Upper
76	100		
78	12.6	0.0	31.1

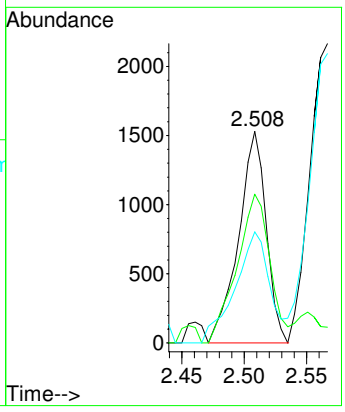


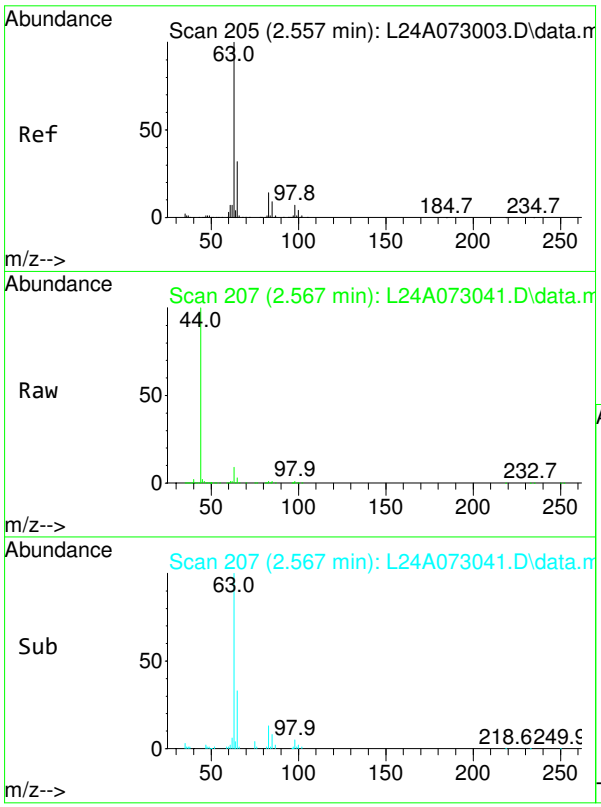


#18
TRANS-1,2-DICHLOROETHENE
Concen: 0.08 PPBV
RT: 2.508 min Scan# 196
Delta R.T. 0.006 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 2352

Ion	Ratio	Lower	Upper
61	100		
96	84.1	43.9	83.9#
98	64.5	20.5	60.5#

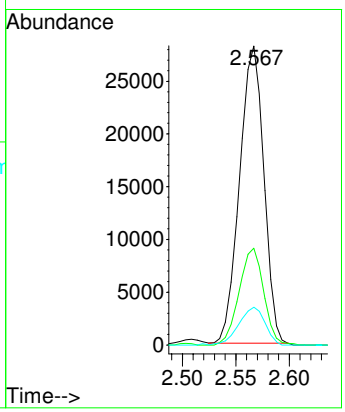


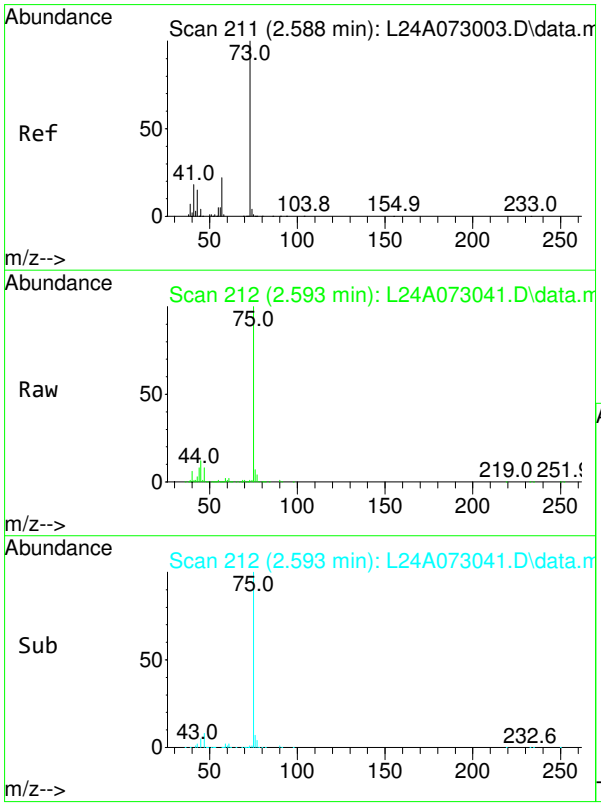


#19
1,1-DICHLOROETHANE
Concen: 1.25 PPBV
RT: 2.567 min Scan# 207
Delta R.T. 0.005 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 63 Resp: 44538

Ion	Ratio	Lower	Upper
63	100		
65	33.0	10.7	50.7
83	13.7	0.0	32.7

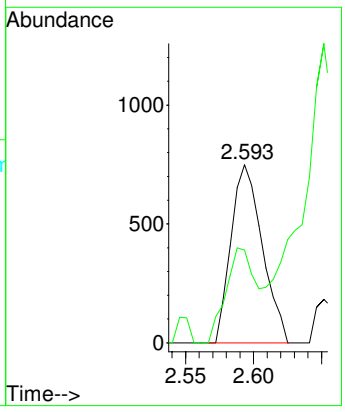


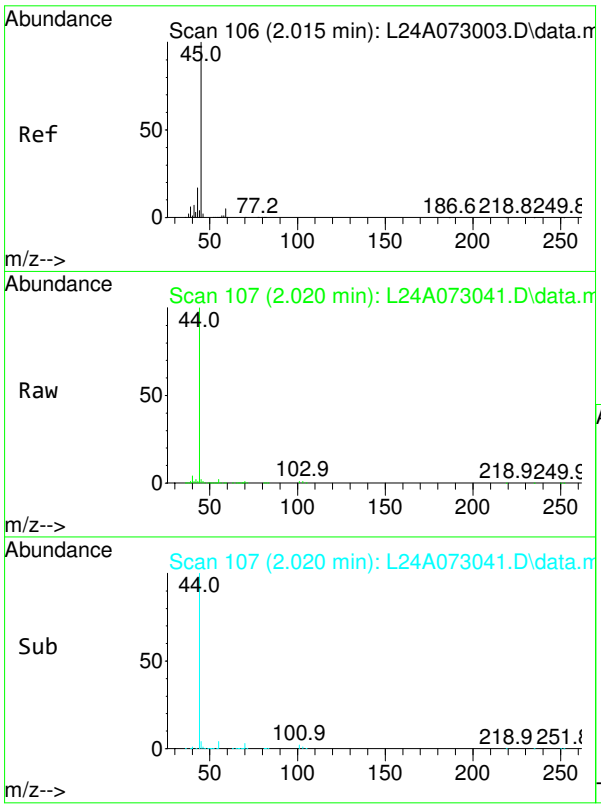


#20
MTBE
Concen: 0.02 PPBV
RT: 2.593 min Scan# 212
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 73 Resp: 1195

Ion	Ratio	Lower	Upper
73	100		
57	55.7	4.6	44.6#

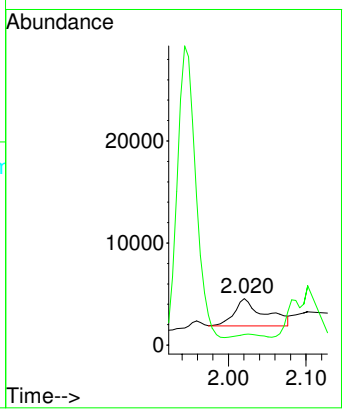


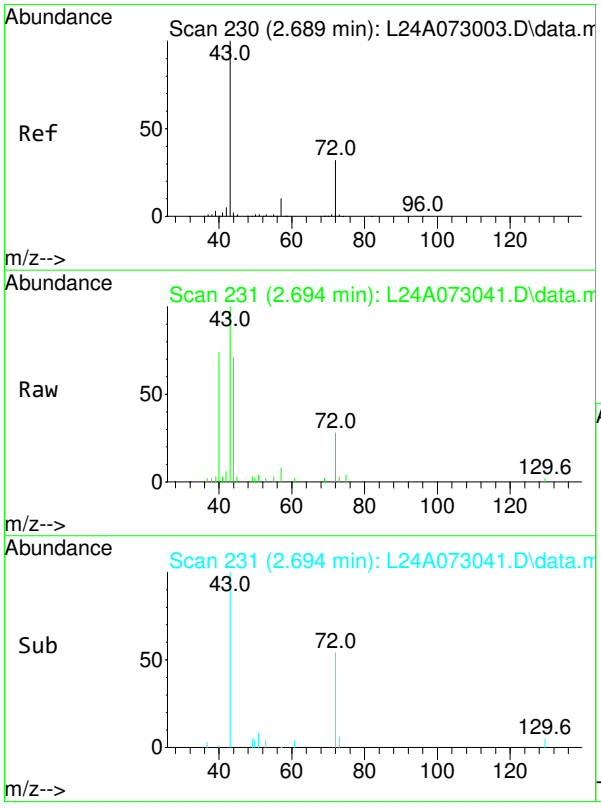


#21
IPA
Concen: 0.23 PPBV
RT: 2.020 min Scan# 107
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 45 Resp: 7054

Ion	Ratio	Lower	Upper
45	100		
43	9.9	0.0	39.3

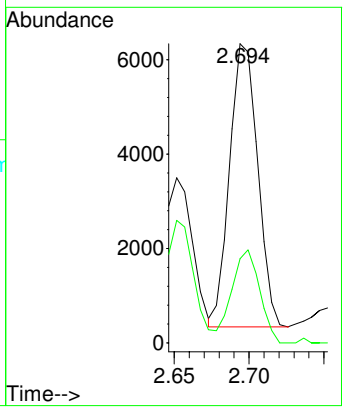


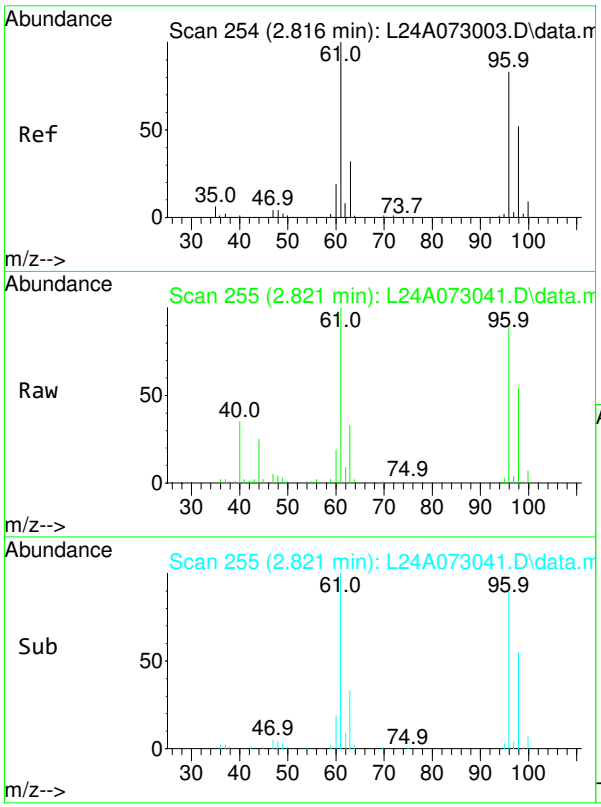


#22
2-BUTANONE(MEK)
Concen: 0.22 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 43 Resp: 7837

Ion	Ratio	Lower	Upper
43	100		
72	32.2	5.6	45.6

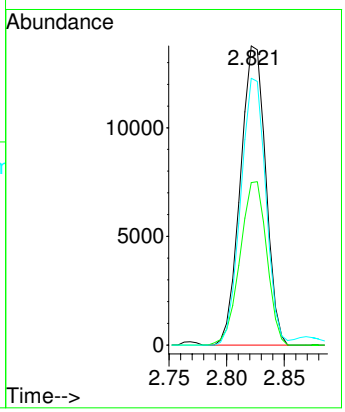


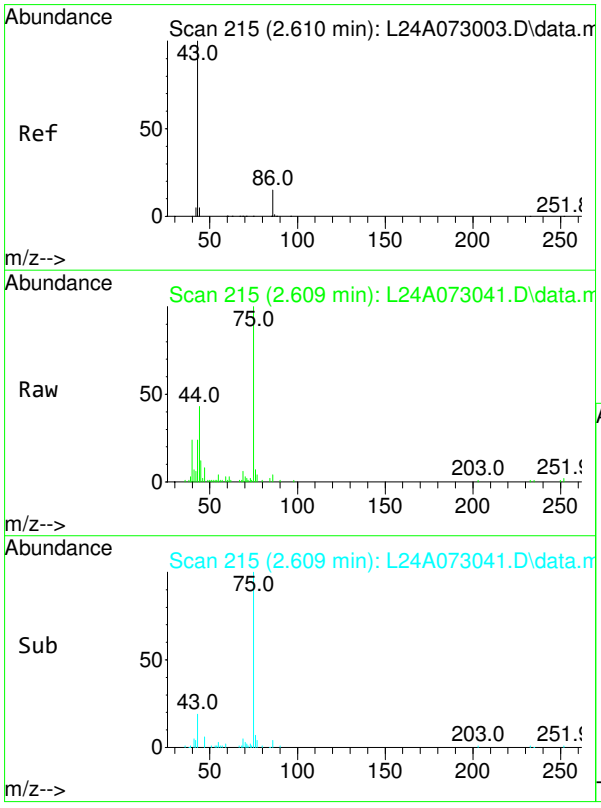


#23
CIS-1,2-DICHLOROETHENE
Concen: 0.90 PPBV
RT: 2.821 min Scan# 255
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 20927

Ion	Ratio	Lower	Upper
61	100		
98	57.3	25.1	65.1
96	88.4	52.2	92.2

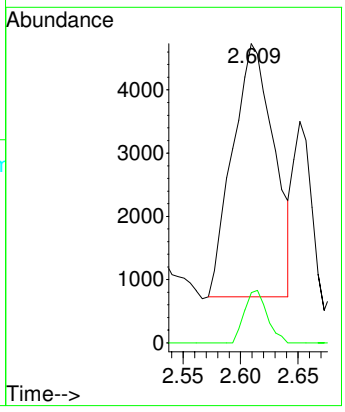


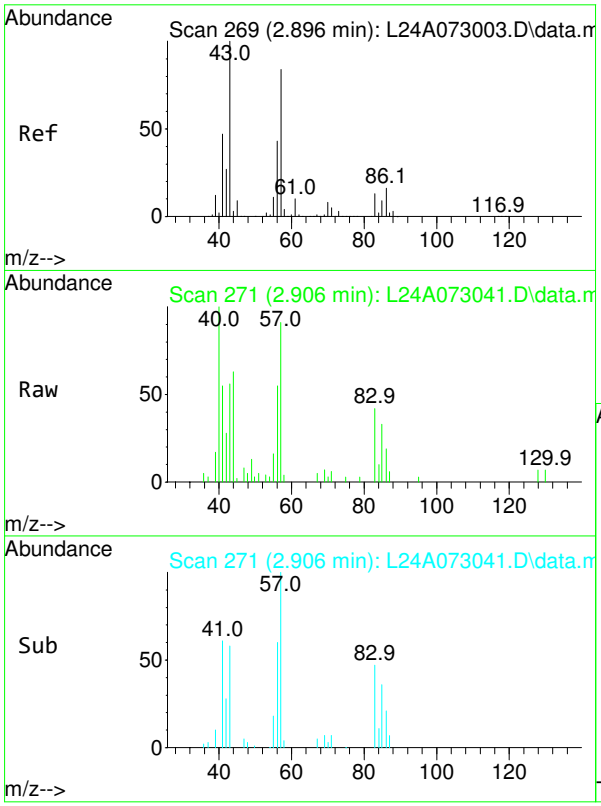


#24
VINYL ACETATE
Concen: 0.27 PPBV
RT: 2.609 min Scan# 215
Delta R.T. -0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 43 Resp: 10013

Ion	Ratio	Lower	Upper
43	100		
86	11.3	0.0	19.5

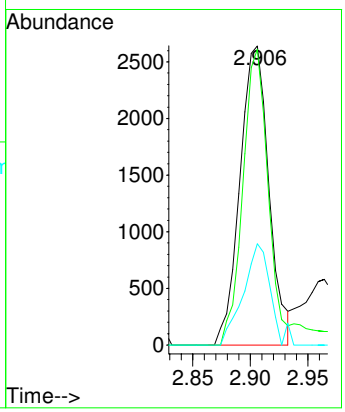


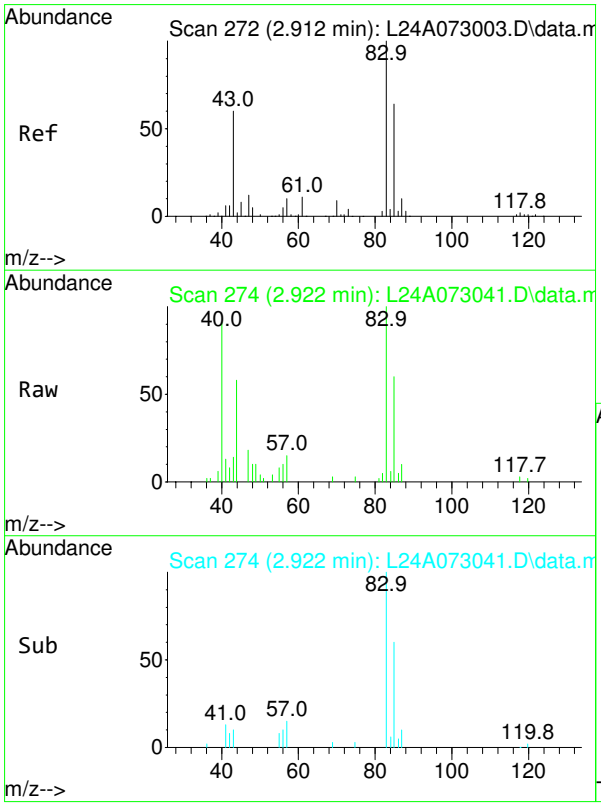


#25
HEXANE
Concen: 0.24 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 41 Resp: 4609

Ion	Ratio	Lower	Upper
41	100		
56	85.6	52.3	92.3
86	31.8	16.1	36.1

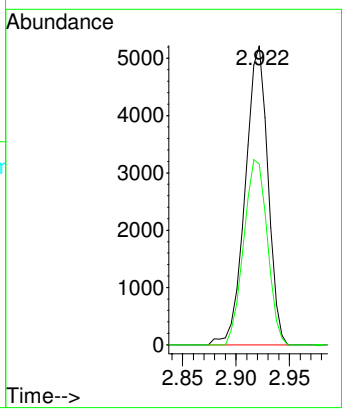


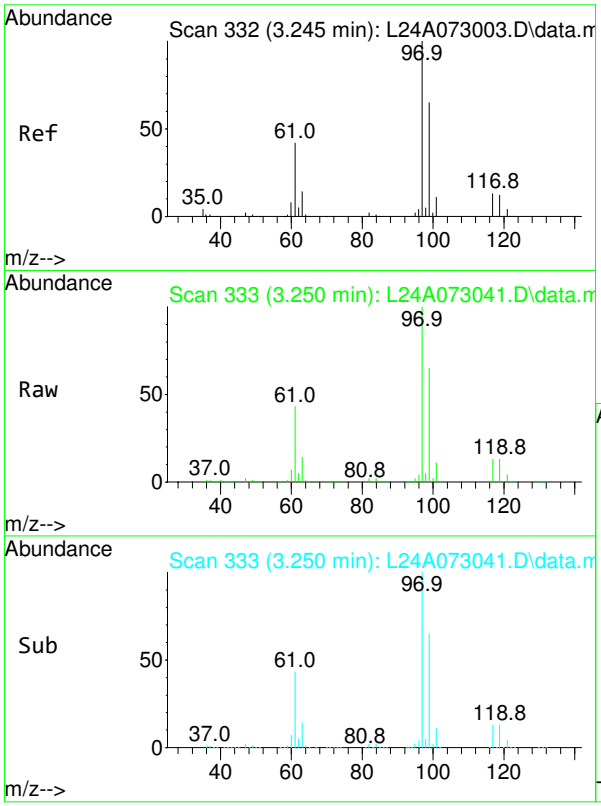


#27
CHLOROFORM
Concen: 0.21 PPBV
RT: 2.922 min Scan# 274
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 83 Resp: 7680

Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.8	84.8

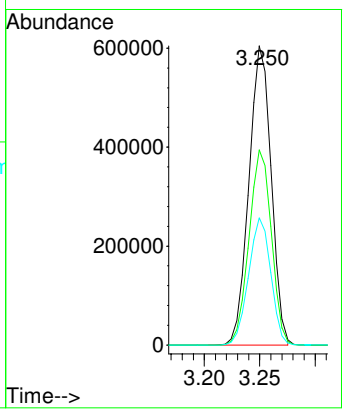


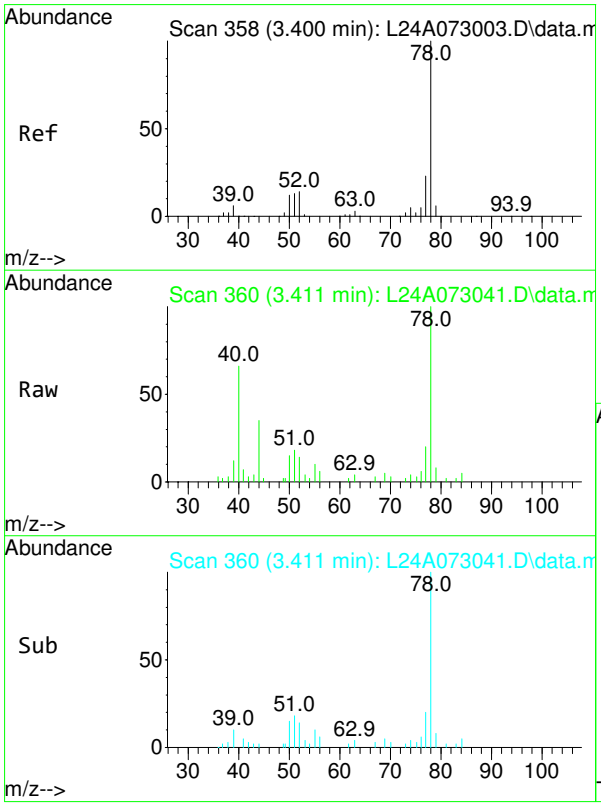


#31
1,1,1-TRICHLOROETHANE
Concen: 20.92 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 97 Resp: 841911

Ion	Ratio	Lower	Upper
97	100		
99	65.5	45.3	85.3
61	42.4	28.1	68.1

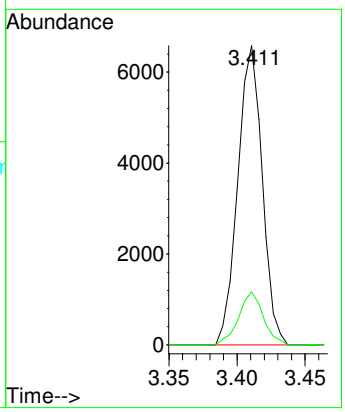


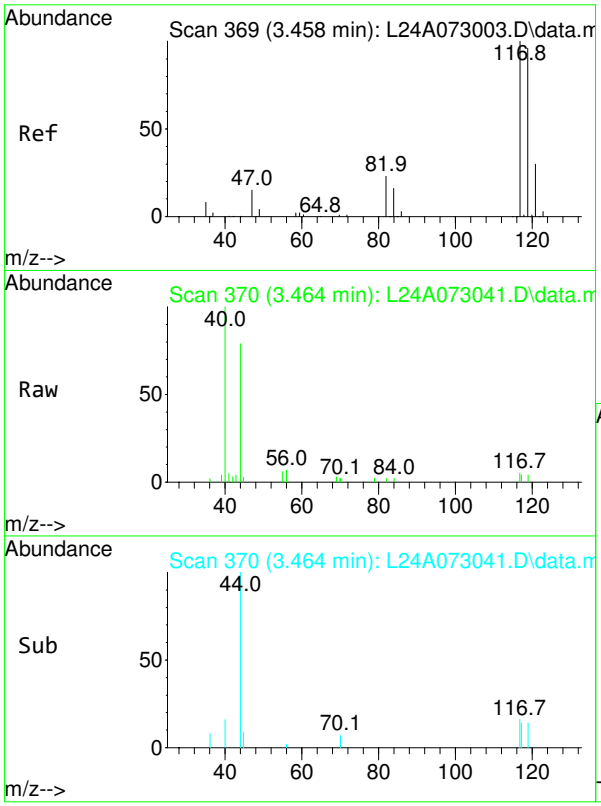


#32
BENZENE
Concen: 0.14 PPBV
RT: 3.411 min Scan# 360
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 78 Resp: 8228

Ion	Ratio	Lower	Upper
78	100		
51	17.9	0.0	37.7

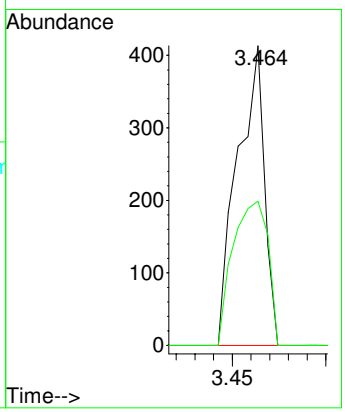


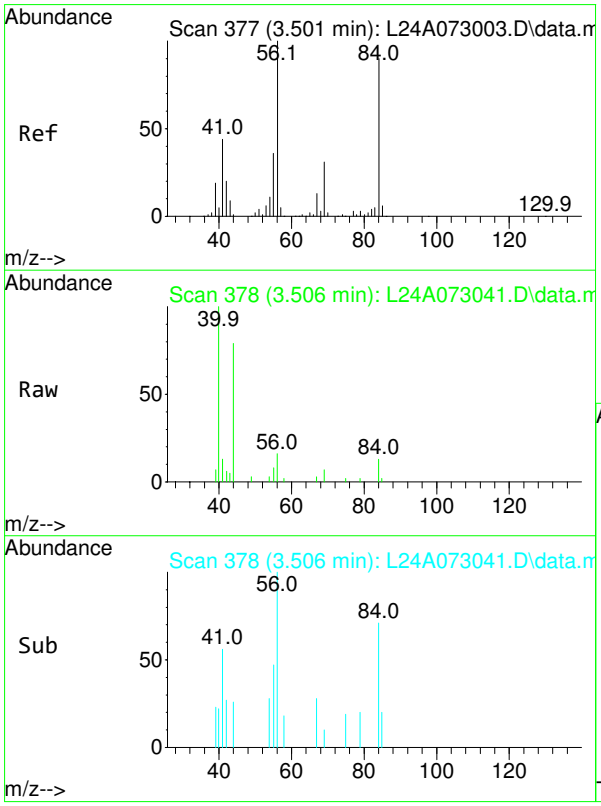


#33
CARBON TETRACHLORIDE
Concen: 0.01 PPBV
RT: 3.464 min Scan# 370
Delta R.T. 0.006 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:117 Resp: 412

Ion	Ratio	Lower	Upper
117	100		
119	62.9	75.3	115.3#

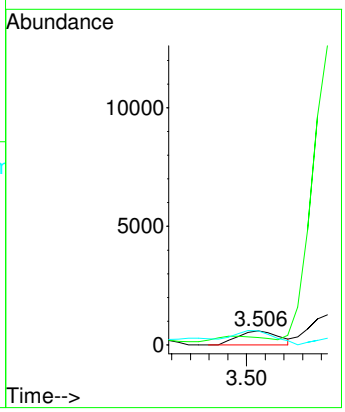


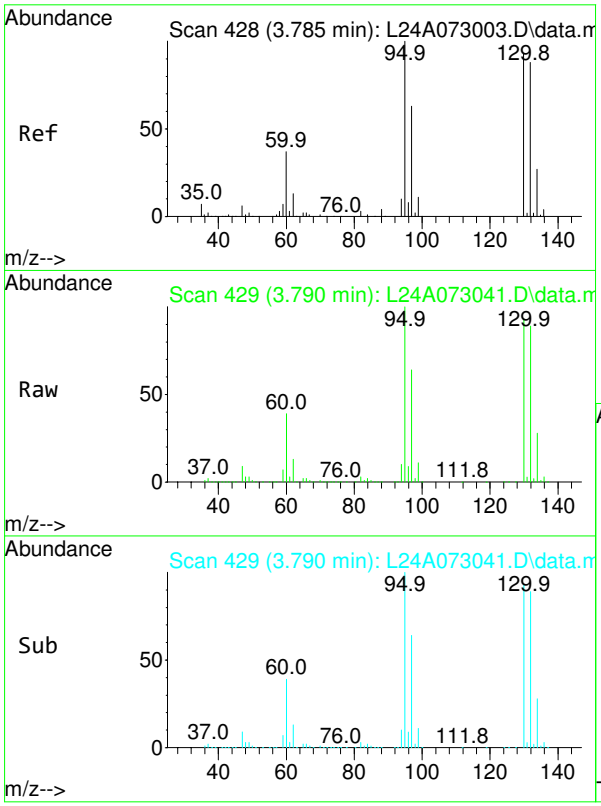


#34
CYCLOHEXANE
Concen: 0.04 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 84 Resp: 885

Ion	Ratio	Lower	Upper
84	100		
69	48.0	17.7	57.7
41	103.7	44.6	84.6#

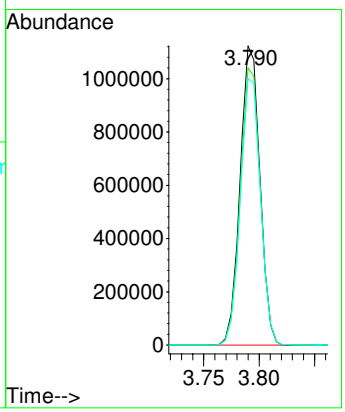


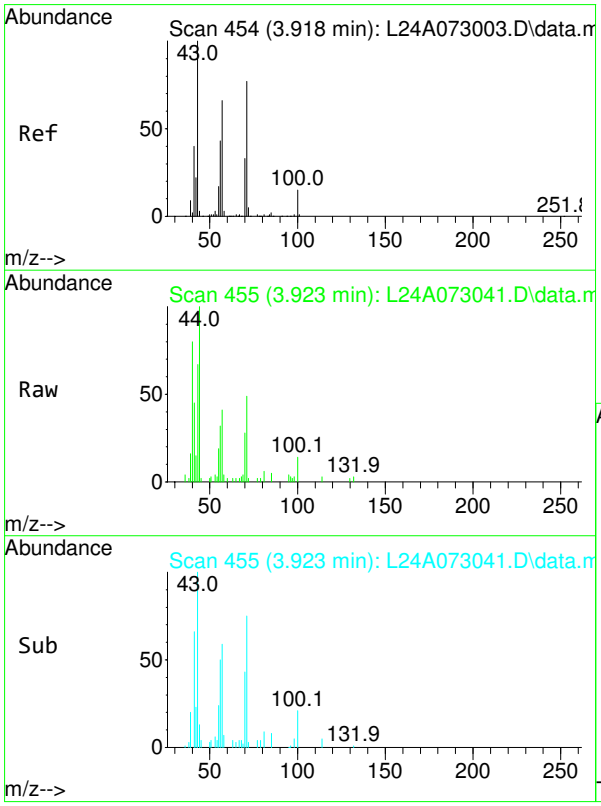


#37
TRICHLOROETHENE
Concen: 52.57 PPBV
RT: 3.790 min Scan# 429
Delta R.T. 0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 95 Resp: 1398984

Ion	Ratio	Lower	Upper
95	100		
130	93.5	76.0	116.0
132	90.1	74.7	114.7

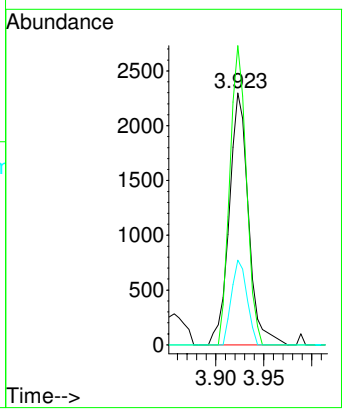


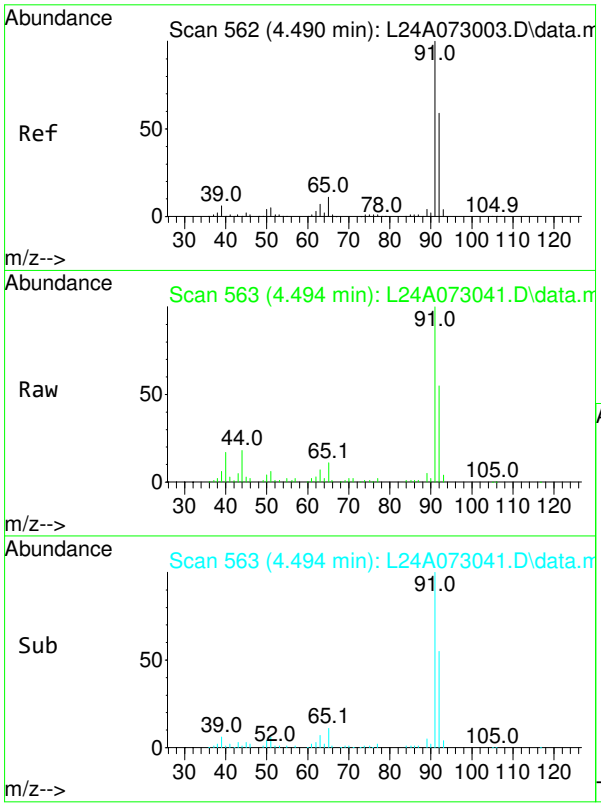


#40
HEPTANE
Concen: 0.23 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 57 Resp: 4199

Ion	Ratio	Lower	Upper
57	100		
71	107.4	87.9	127.9
100	20.5	4.4	44.4

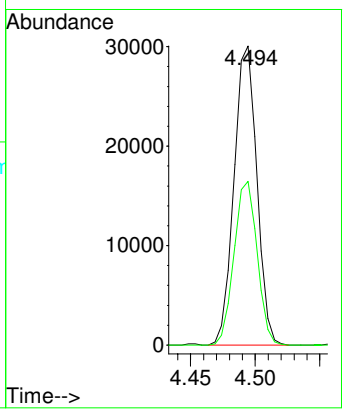


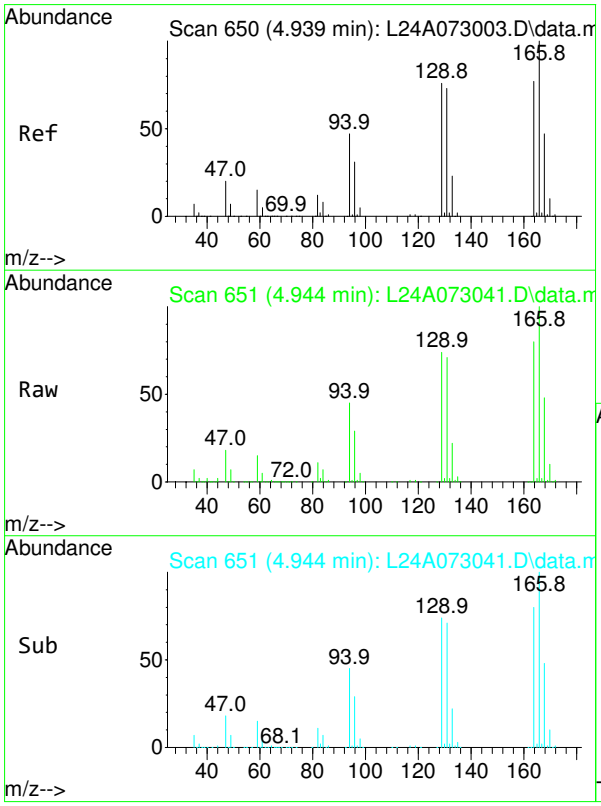


#46
TOLUENE
Concen: 0.54 PPBV
RT: 4.494 min Scan# 563
Delta R.T. 0.000 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 36961

Ion	Ratio	Lower	Upper
91	100		
92	55.3	39.1	79.1

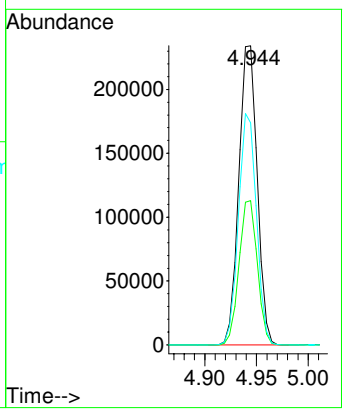


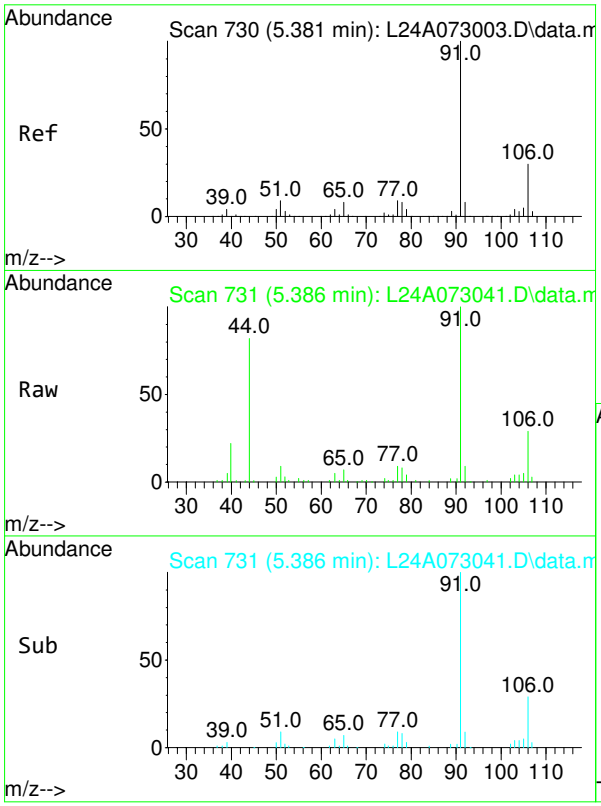


#50
TETRACHLOROETHENE
Concen: 9.53 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:166 Resp: 289841

Ion	Ratio	Lower	Upper
166	100		
168	48.0	28.8	68.8
129	75.6	56.6	96.6

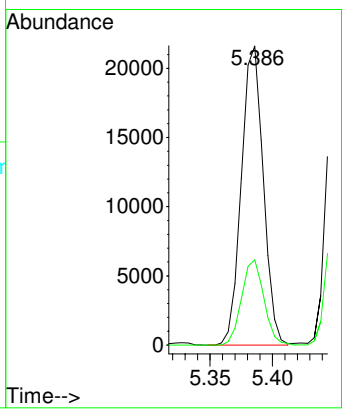


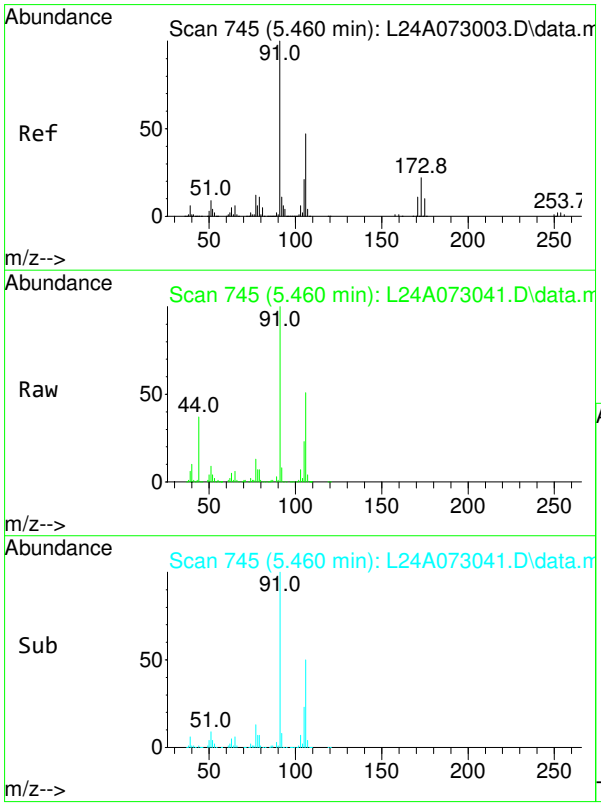


#52
ETHYLBENZENE
Concen: 0.31 PPBV
RT: 5.386 min Scan# 731
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 26428

Ion	Ratio	Lower	Upper
91	100		
106	28.9	10.1	50.1

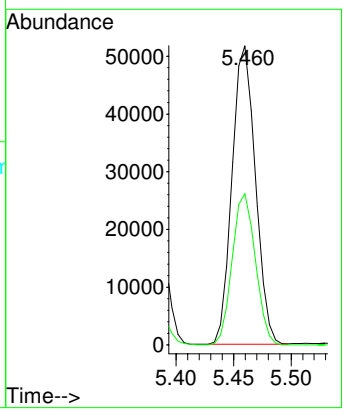


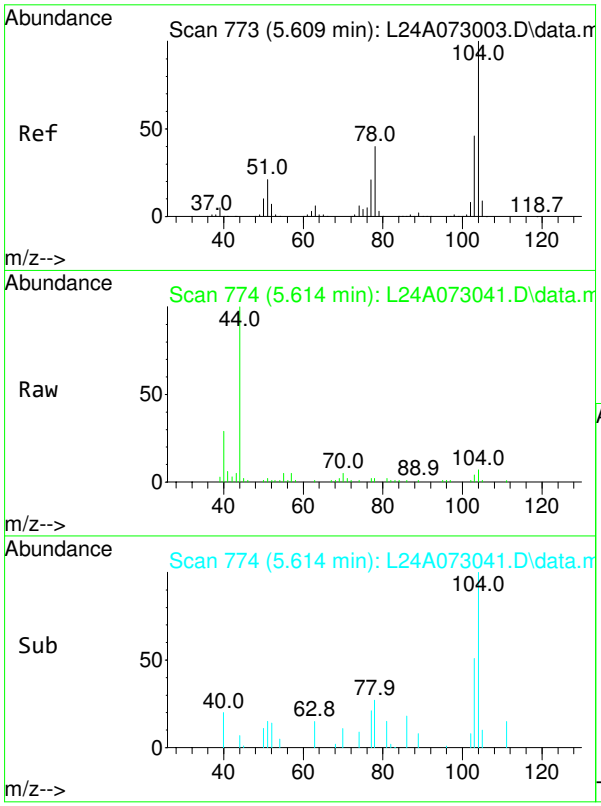


#53
M/P-XYLENE
Concen: 1.02 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 72472

Ion	Ratio	Lower	Upper
91	100		
106	50.4	24.9	64.9

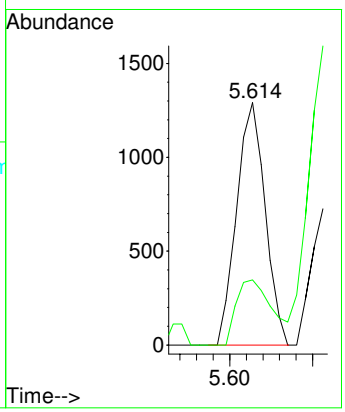


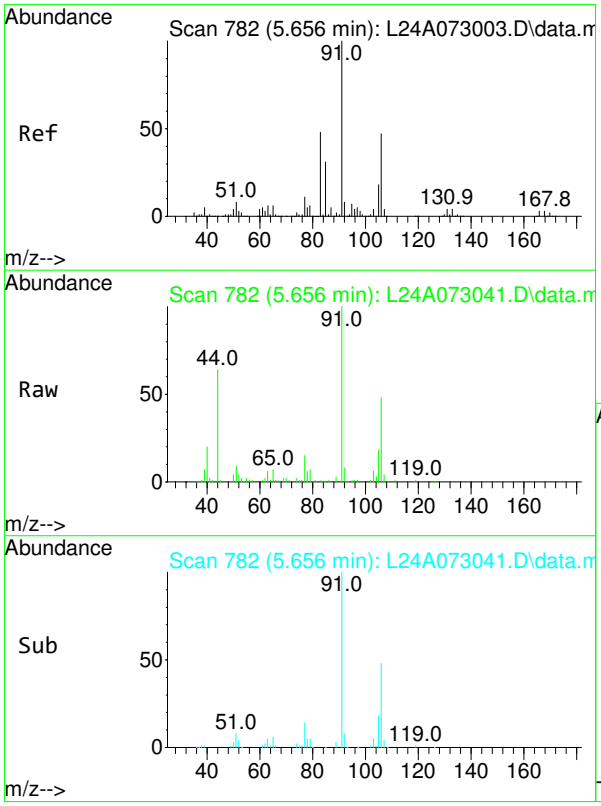


#55
STYRENE
Concen: 0.03 PPBV
RT: 5.614 min Scan# 774
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:104 Resp: 1538

Ion	Ratio	Lower	Upper
104	100		
78	34.2	24.7	64.7

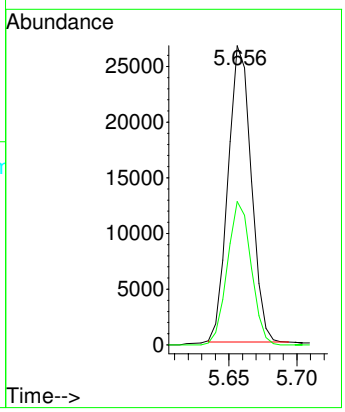


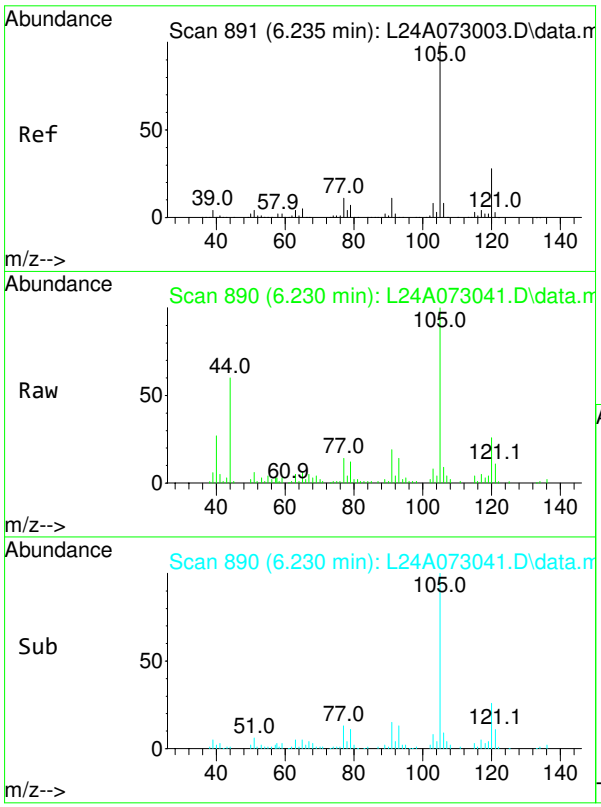


#56
O-XYLENE
Concen: 0.45 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 31585

Ion	Ratio	Lower	Upper
91	100		
106	49.5	25.4	65.4

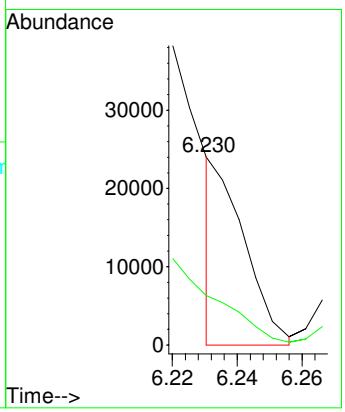


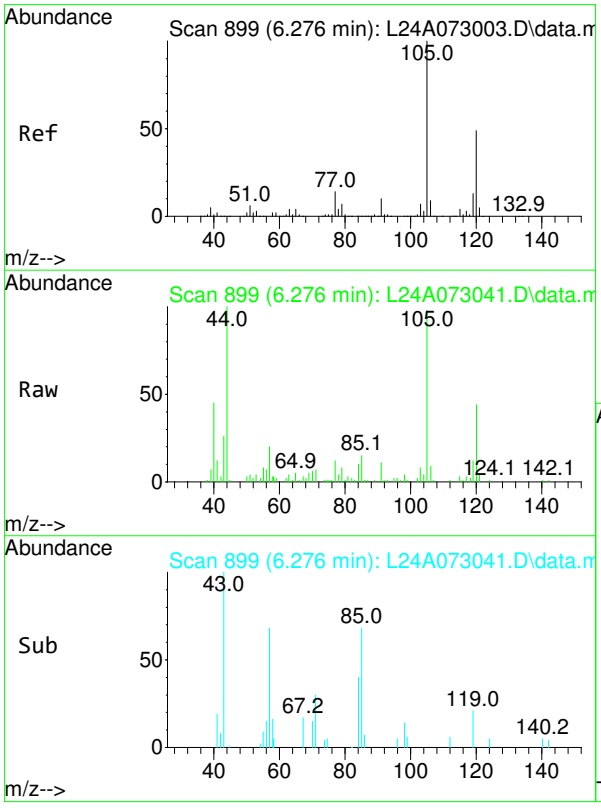


#59
4-ETHYLTOLUENE
Concen: 0.17 PPBV m
RT: 6.230 min Scan# 890
Delta R.T. -0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:105 Resp: 15290

Ion	Ratio	Lower	Upper
105	100		
120	117.8	8.8	48.8#

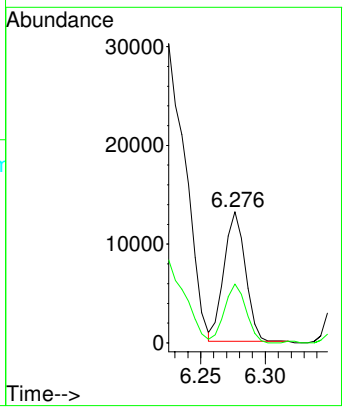


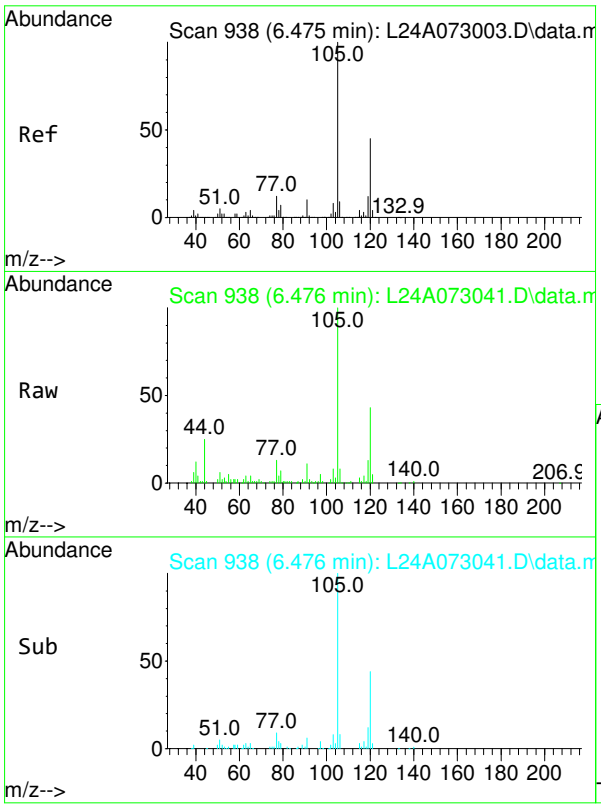


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.20 PPBV
RT: 6.276 min Scan# 899
Delta R.T. -0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:105 Resp: 15113

Ion	Ratio	Lower	Upper
105	100		
120	45.9	26.9	66.9

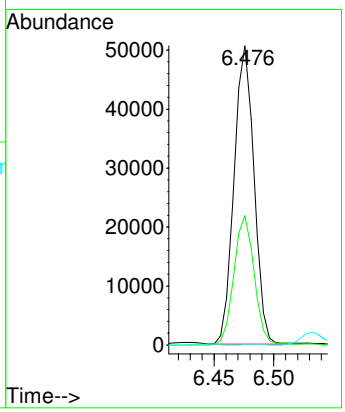


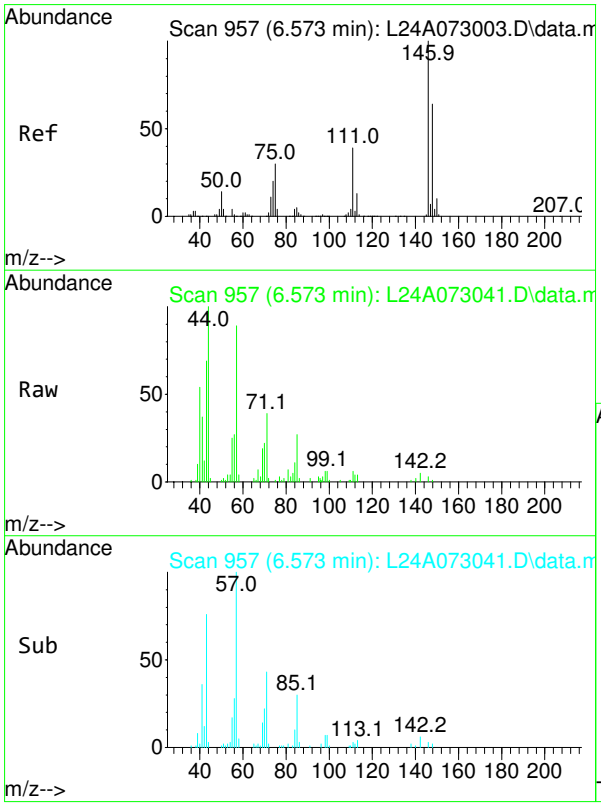


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.79 PPBV
RT: 6.476 min Scan# 938
Delta R.T. -0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:105 Resp: 58528

Ion	Ratio	Lower	Upper
105	100		
120	44.0	24.0	64.0
207	0.3	0.0	20.0

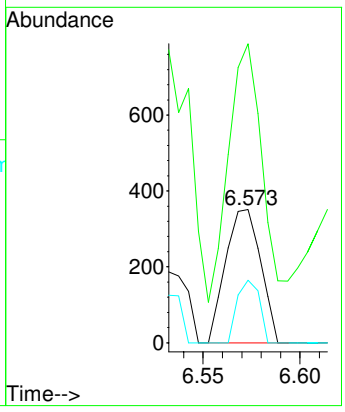


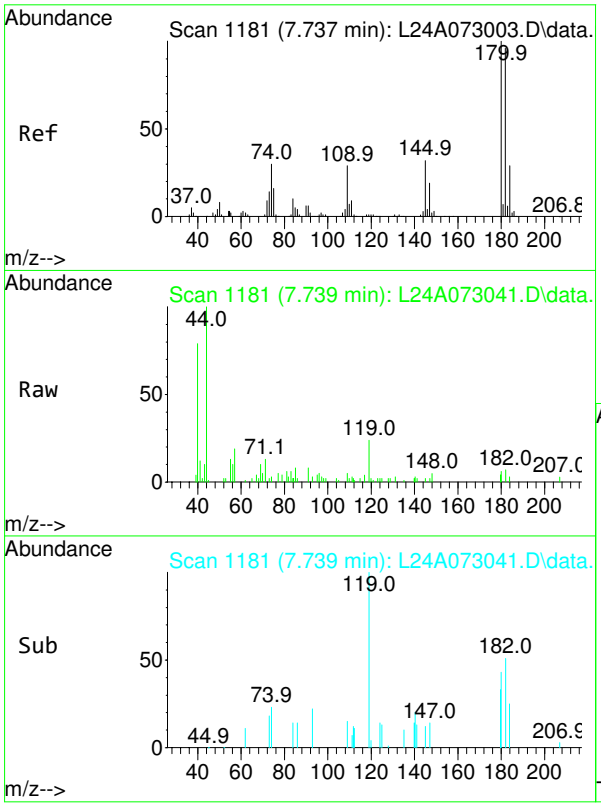


#64
1,4-DICHLOROBENZENE
Concen: 0.01 PPBV
RT: 6.573 min Scan# 957
Delta R.T. -0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:146 Resp: 441

Ion	Ratio	Lower	Upper
146	100		
111	184.4	20.5	60.5#
148	29.7	44.9	84.9#

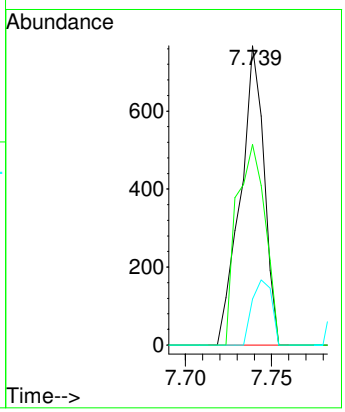


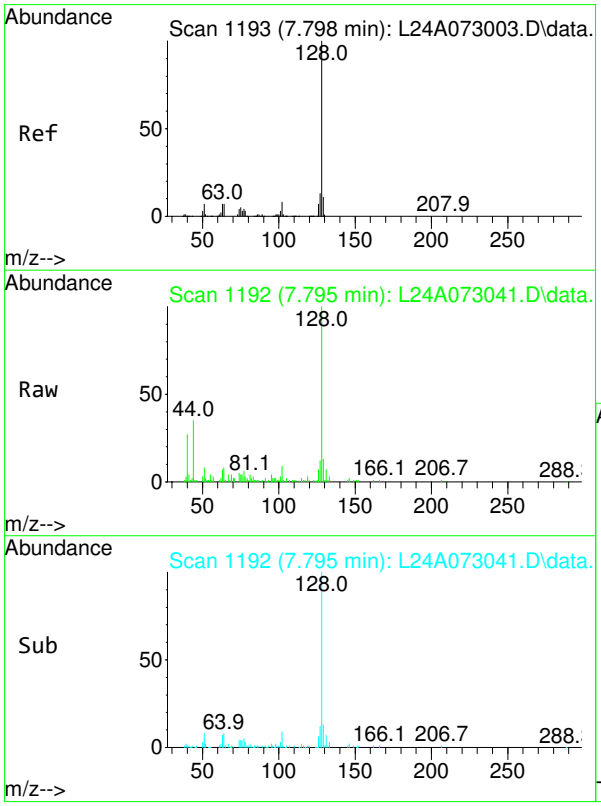


#66
1,2,4-TRICHLOROBENZENE
Concen: 0.03 PPBV
RT: 7.739 min Scan# 1181
Delta R.T. -0.006 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:180 Resp: 733

Ion	Ratio	Lower	Upper
180	100		
182	80.9	72.7	112.7
145	18.0	10.8	50.8

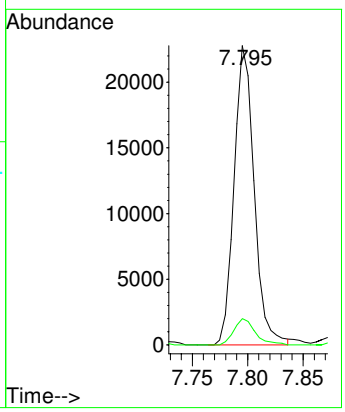


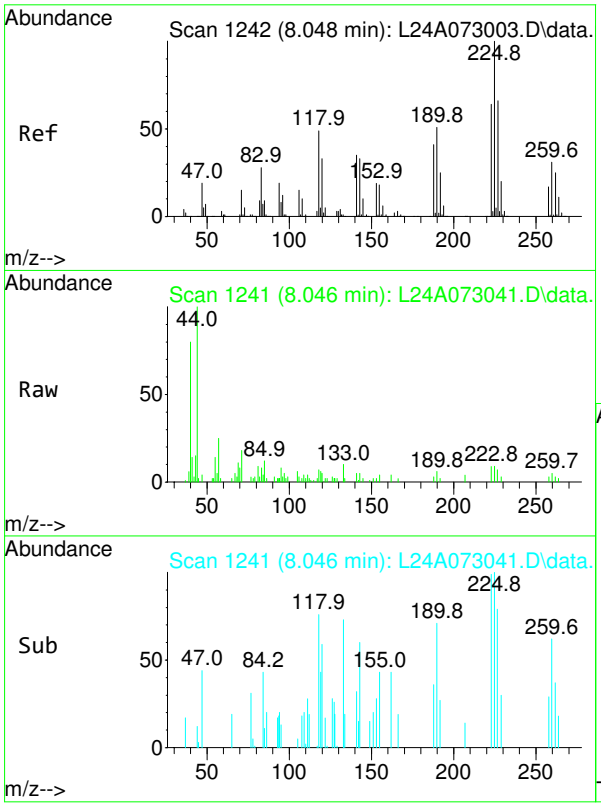


#67
NAPHTHALENE
Concen: 0.41 PPBV
RT: 7.795 min Scan# 1192
Delta R.T. -0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:128 Resp: 28758

Ion	Ratio	Lower	Upper
128	100		
102	9.3	0.0	29.2

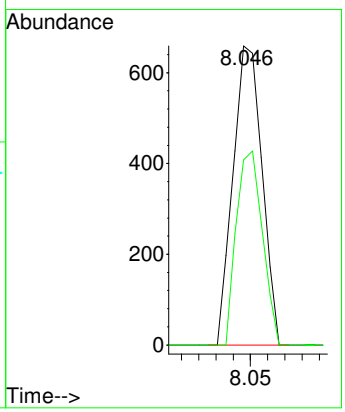


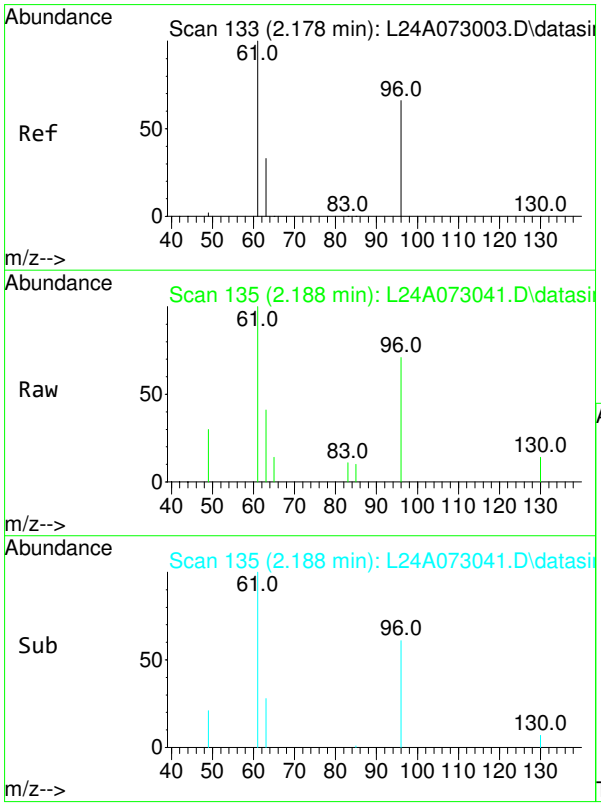


#68
HEXACHLOROBUTADIENE
Concen: 0.02 PPBV
RT: 8.046 min Scan# 1241
Delta R.T. -0.009 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:225 Resp: 772

Ion	Ratio	Lower	Upper
225	100		
260	58.2	11.2	51.2#

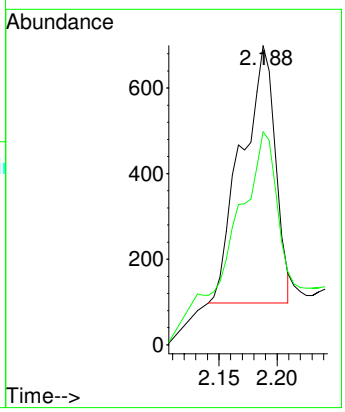


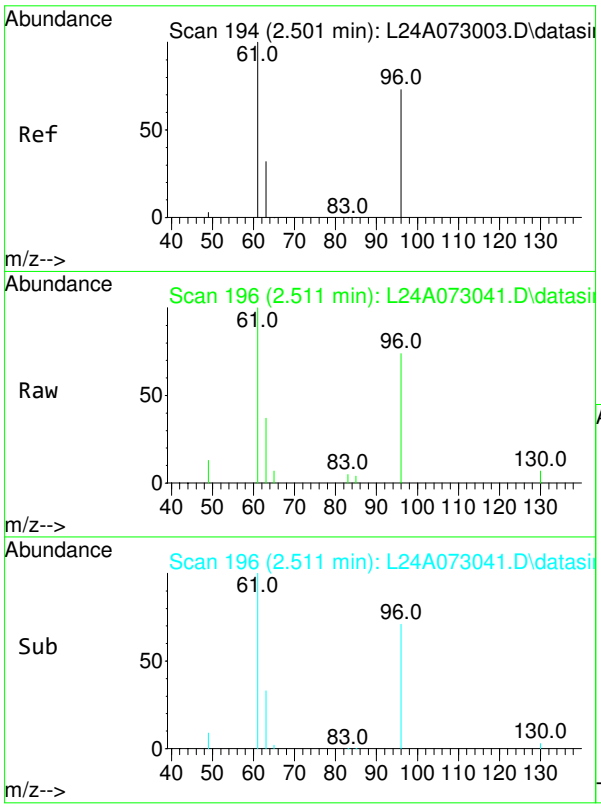


#71
1,1-DICHLOROETHENE (SIM)
Concen: 0.04 PPBV
RT: 2.188 min Scan# 135
Delta R.T. 0.010 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 1212

Ion	Ratio	Lower	Upper
61	100		
96	62.5	36.0	76.0

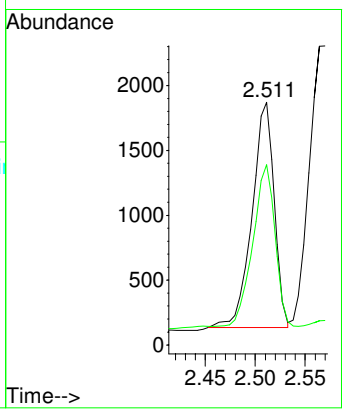


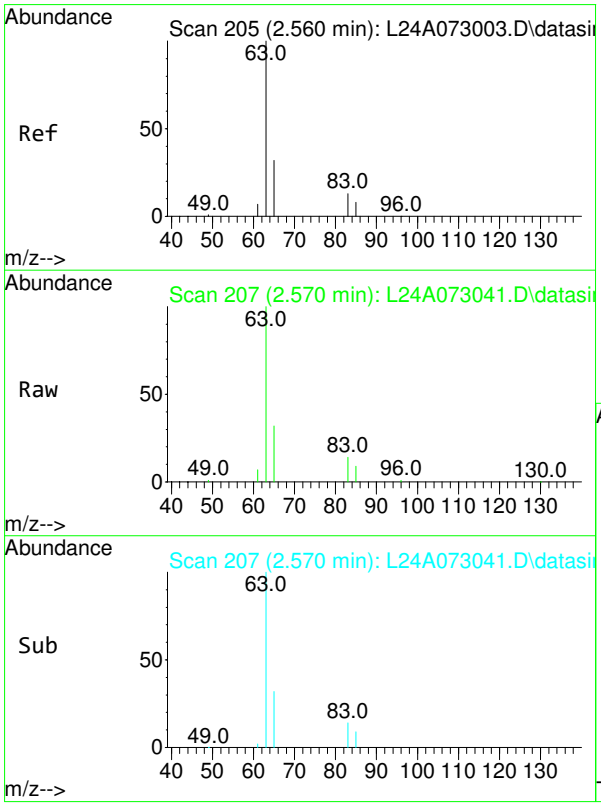


#72
TRANS-1,2-DICHLOROETHENE (SIM)
Concen: 0.09 PPBV
RT: 2.511 min Scan# 196
Delta R.T. 0.012 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 2682

Ion	Ratio	Lower	Upper
61	100		
96	71.6	43.8	83.8

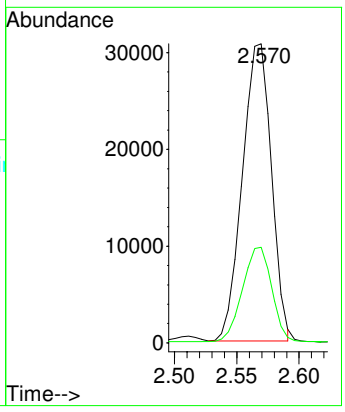


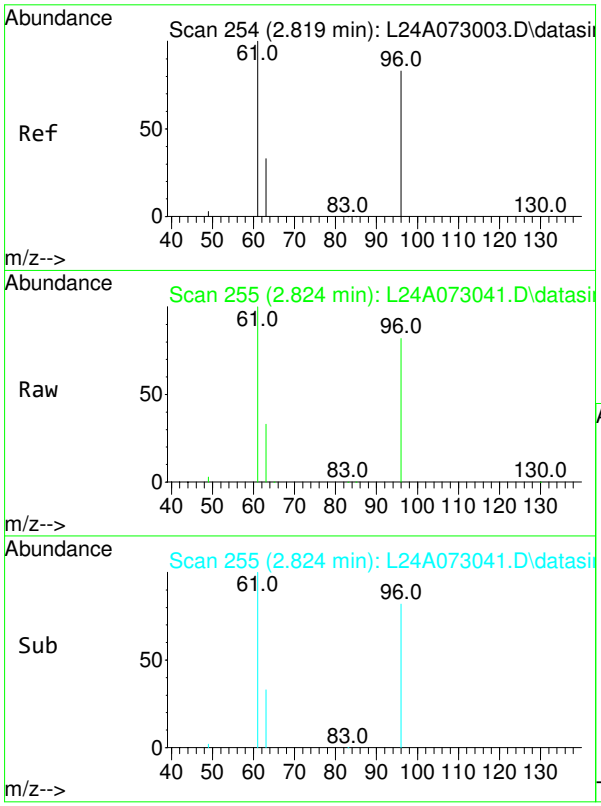


#73
1,1-DICHLOROETHANE (SIM)
Concen: 1.31 PPBV
RT: 2.570 min Scan# 207
Delta R.T. 0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 63 Resp: 49683

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.5	51.5

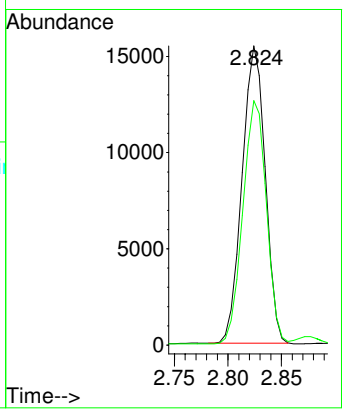


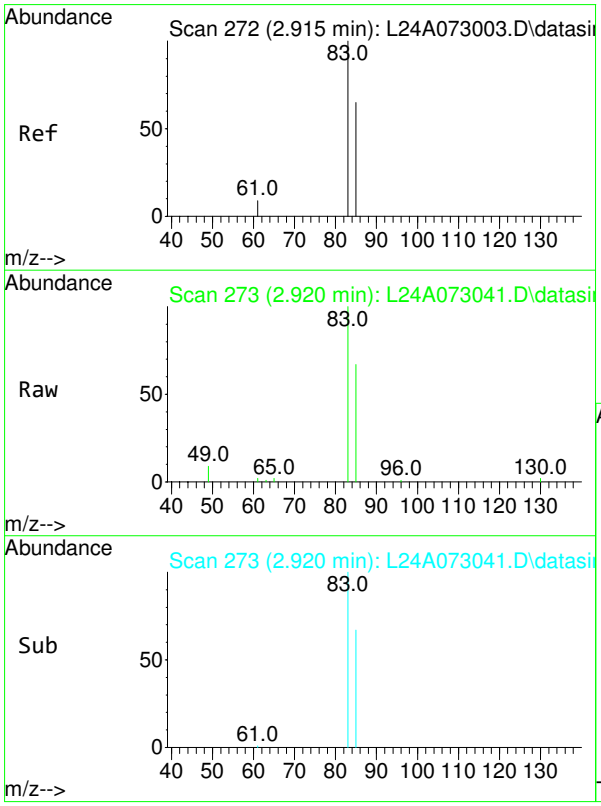


#74
CIS-1,2-DICHLOROETHENE (SIM)
Concen: 0.92 PPBV
RT: 2.824 min Scan# 255
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 23265

Ion	Ratio	Lower	Upper
61	100		
96	82.9	52.2	92.2

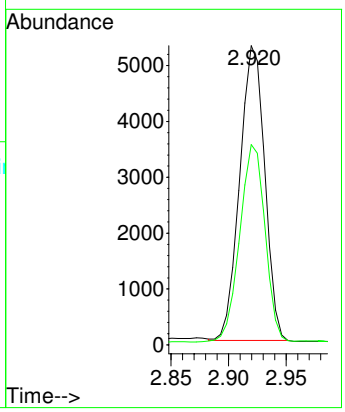


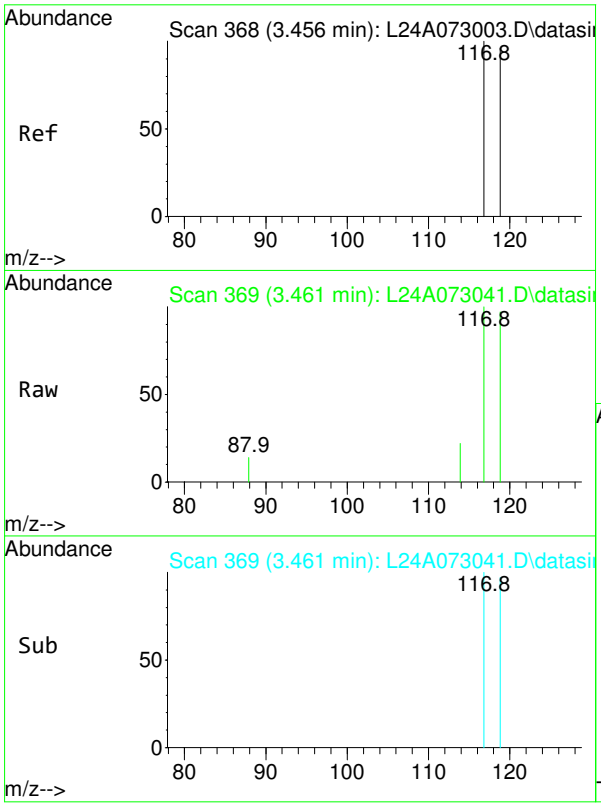


#75
CHLOROFORM (SIM)
Concen: 0.20 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 83 Resp: 7928

Ion	Ratio	Lower	Upper
83	100		
85	67.5	45.0	85.0

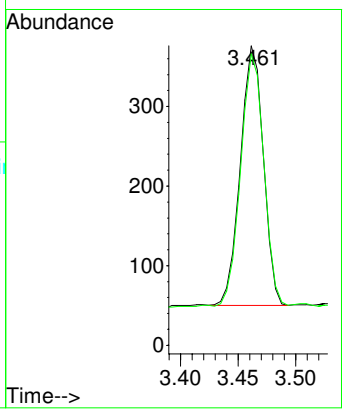


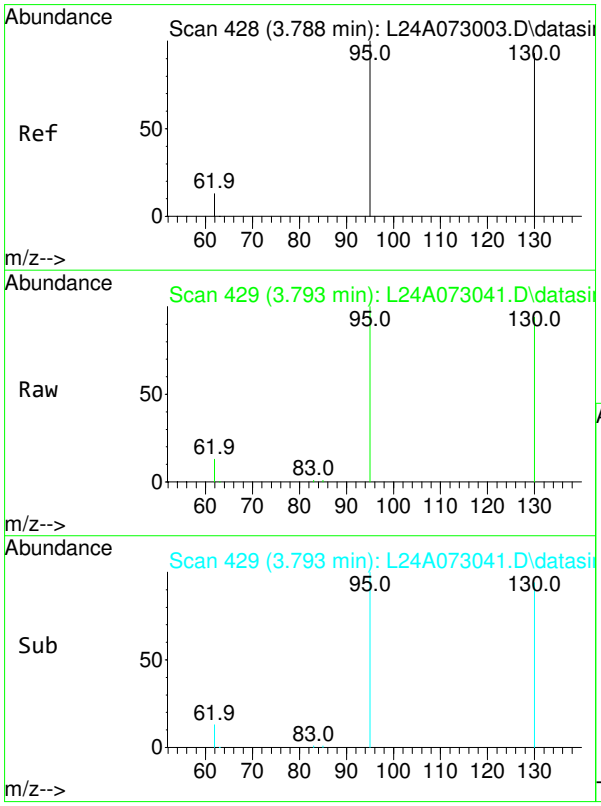


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.01 PPBV
RT: 3.461 min Scan# 369
Delta R.T. 0.000 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:117 Resp: 450

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	116.3

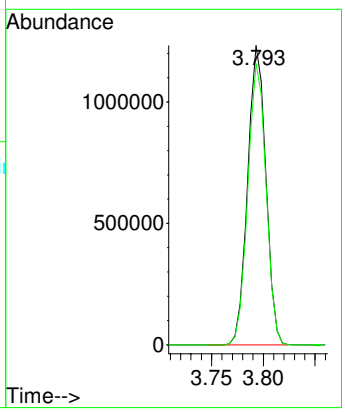




#81
TRICHLOROETHENE (SIM)
Concen: 54.59 PPBV
RT: 3.793 min Scan# 429
Delta R.T. 0.003 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 95 Resp: 1506072

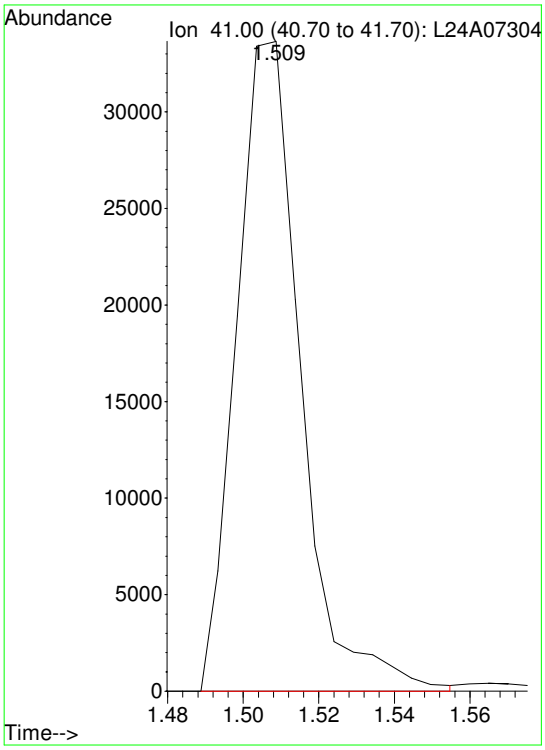
Ion	Ratio	Lower	Upper
95	100		
130	94.1	74.5	114.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

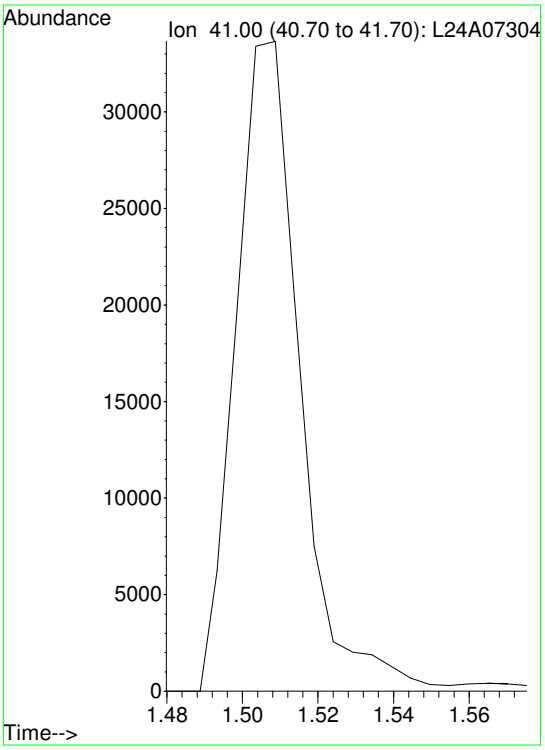
RT : 1.51
Area : 39441
Amount: 3.79227

Manual Int. Results

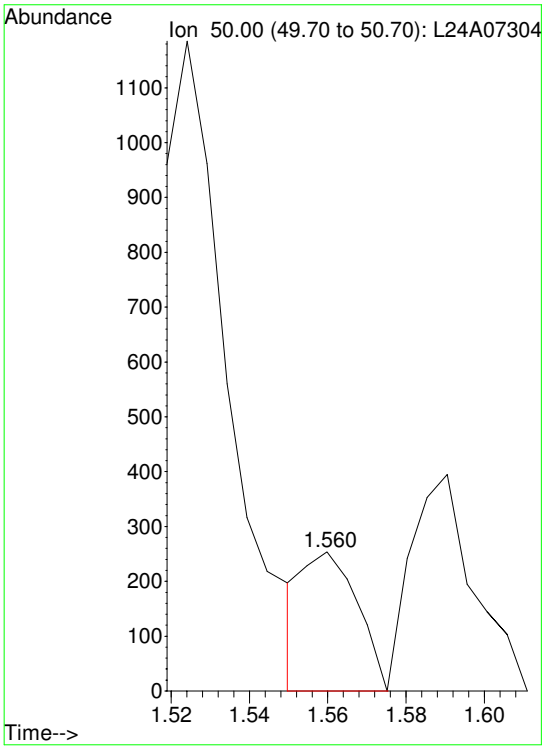
Fri Mar 15 11:29:52 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

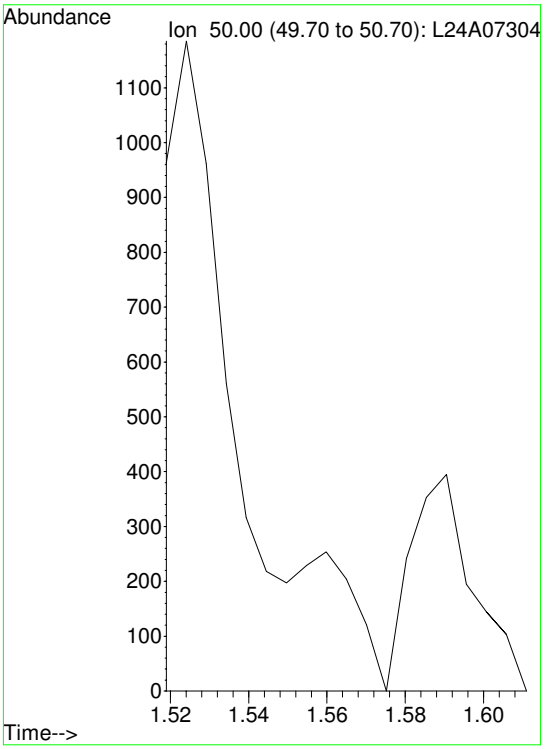
RT : 1.56
Area : 248
Amount: 0.0159266

Manual Int. Results

Fri Mar 15 11:29:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

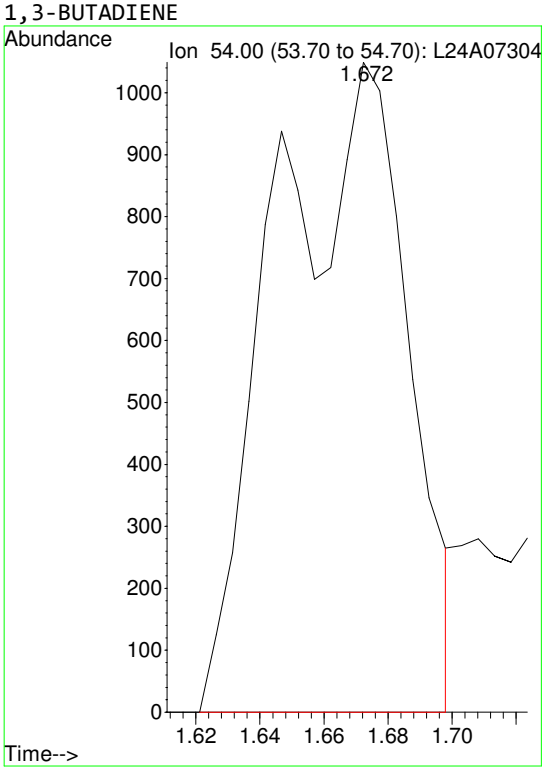
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,3-BUTADIENE



Original Int. Results

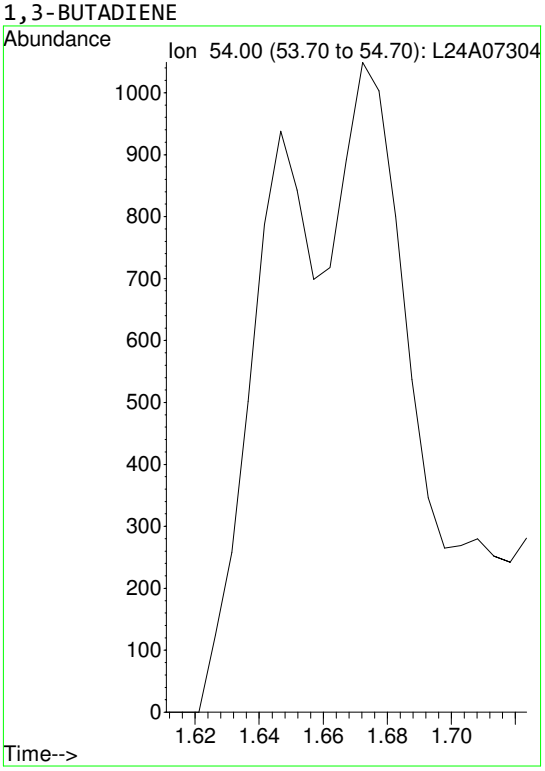
RT : 1.67
Area : 2995
Amount: 0.212928

Manual Int. Results

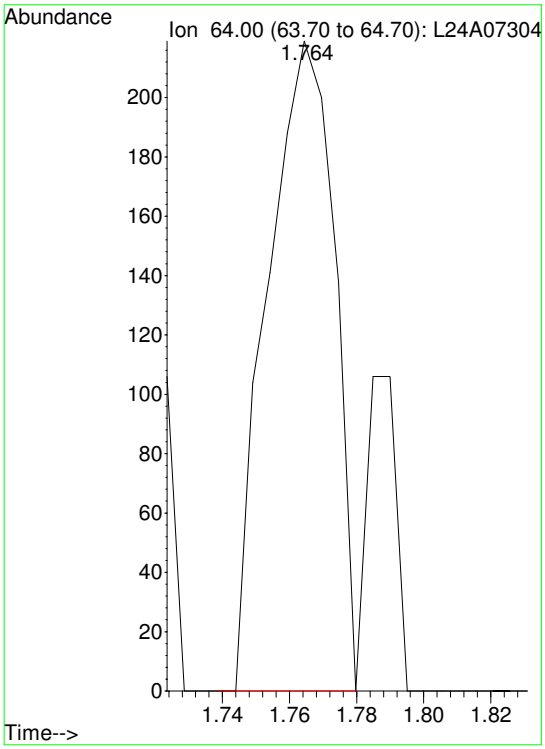
Fri Mar 15 11:30:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-BUTADIENE



Original Integration
CHLOROETHANE



Original Int. Results

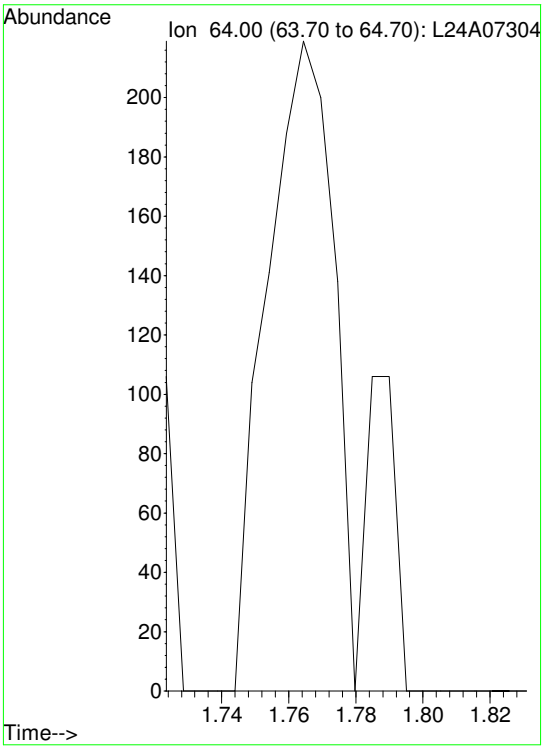
RT : 1.76
Area : 304
Amount: 0.0289297

Manual Int. Results

Fri Mar 15 11:30:07 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

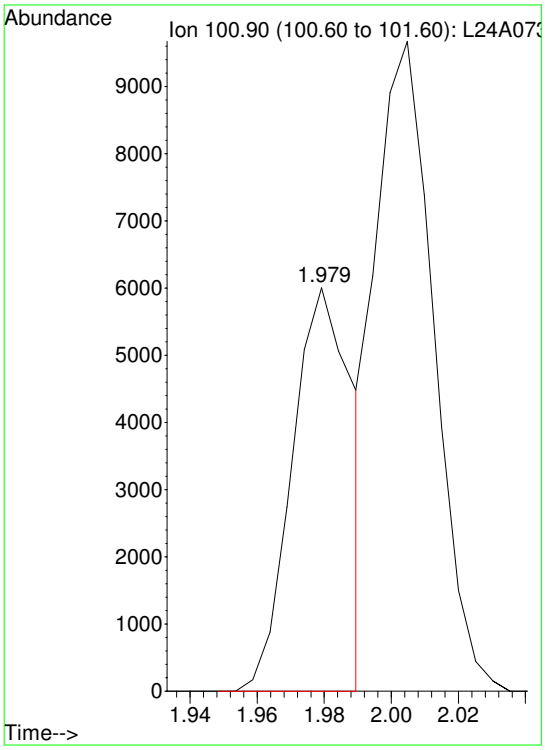
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

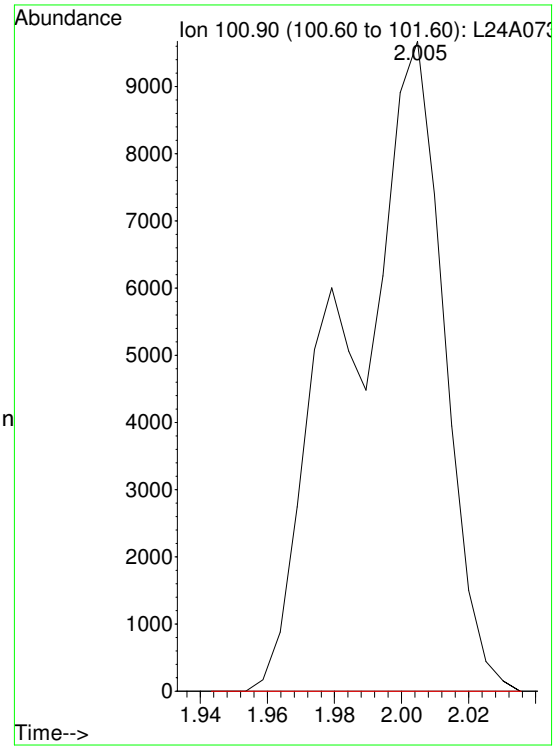
RT : 1.98
Area : 7497
Amount: 0.161696

Manual Int. Results

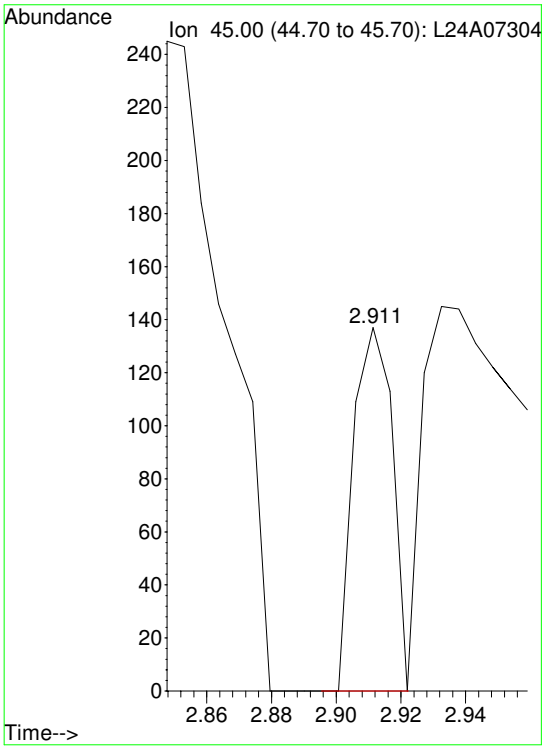
Fri Mar 15 11:30:16 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.00
Area : 19218
Amount: 0.414495

Manual Integration
TRICHLOROFLUOROMETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

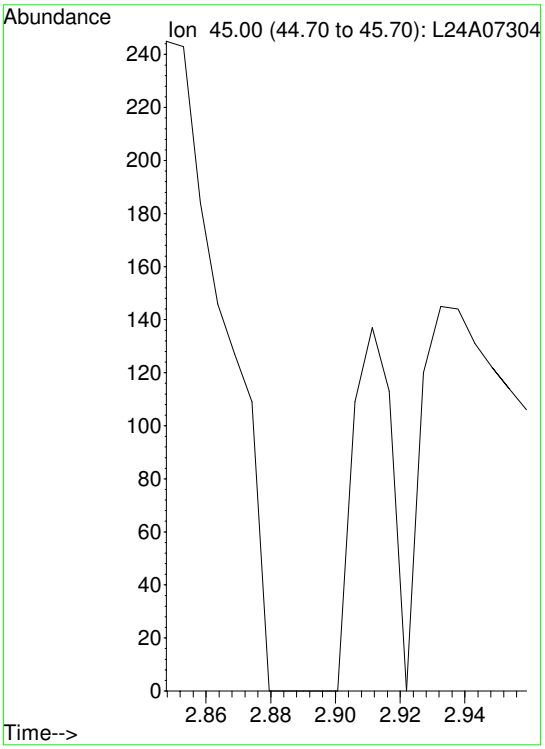
RT : 2.91
Area : 114
Amount: 0.0186888

Manual Int. Results

Fri Mar 15 11:30:46 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

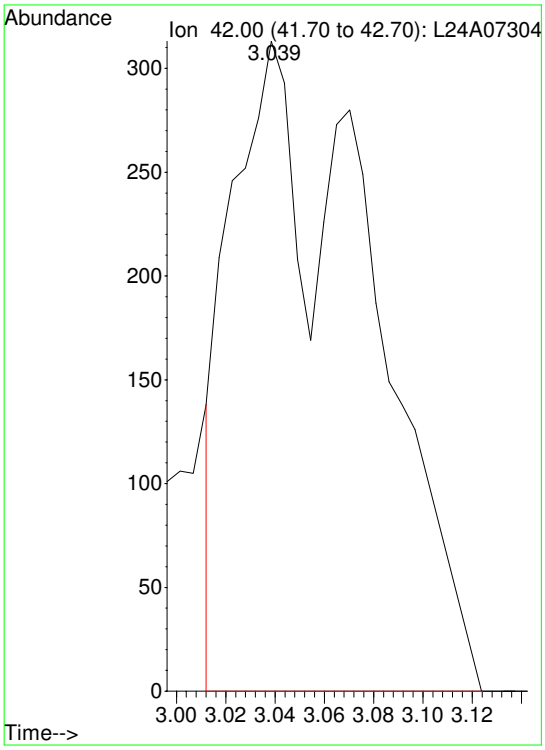
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

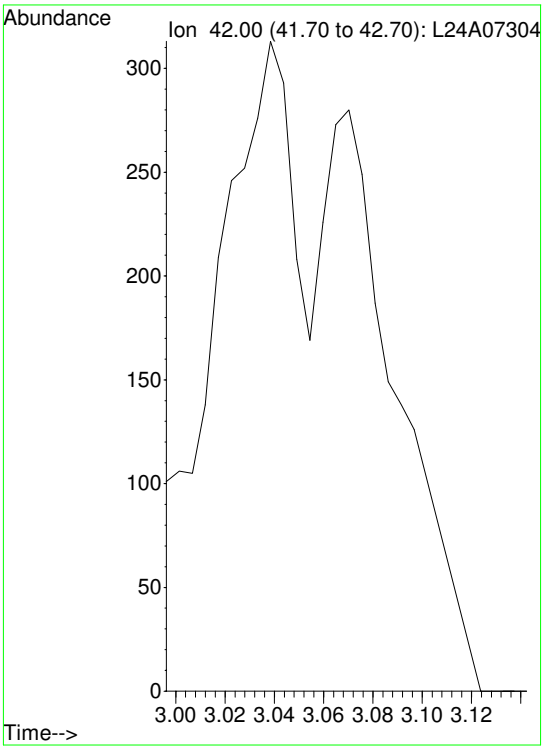
RT : 3.04
Area : 1416
Amount: 0.0608914

Manual Int. Results

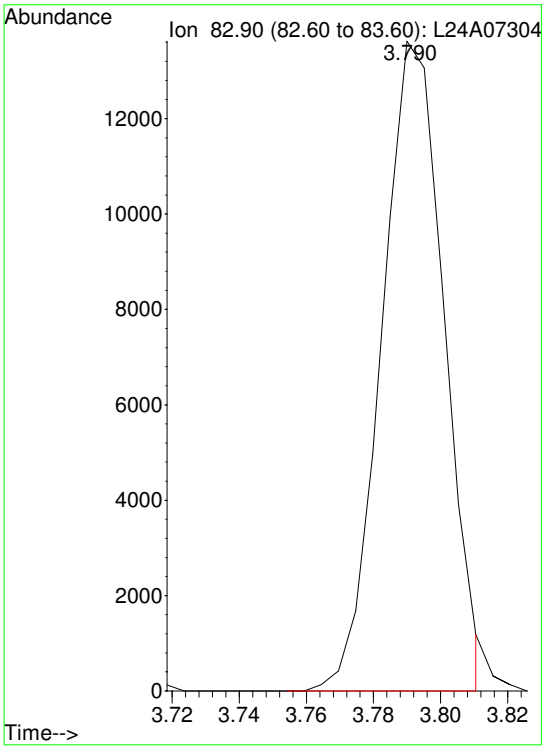
Fri Mar 15 11:30:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

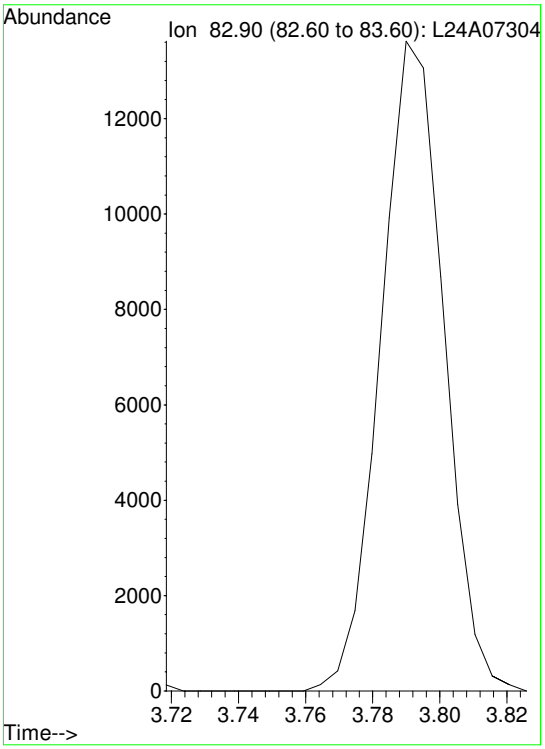
RT : 3.79
Area : 17670
Amount: 0.400369

Manual Int. Results

Fri Mar 15 11:31:02 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

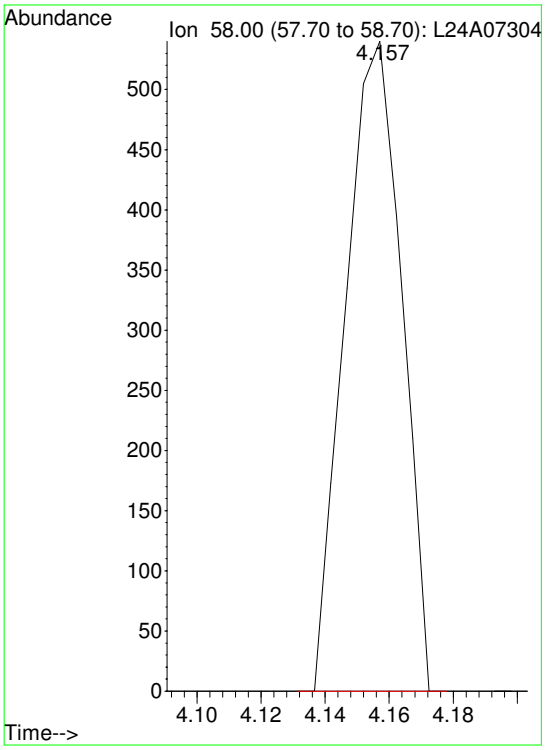
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

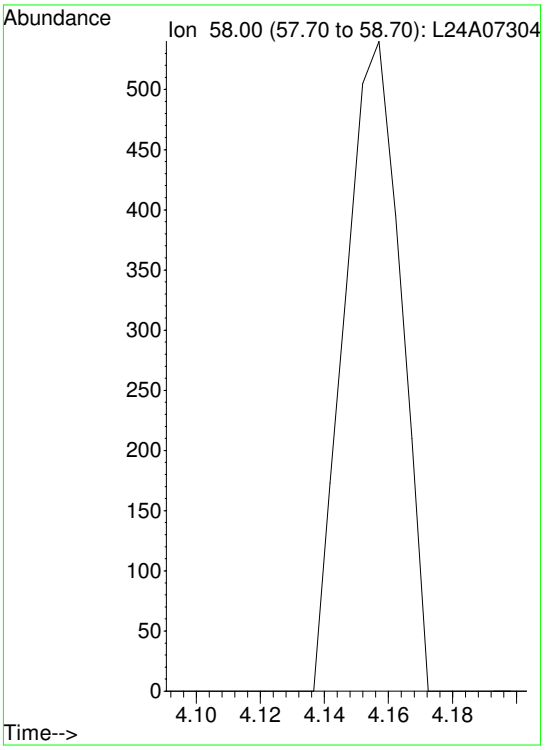
RT : 4.16
Area : 662
Amount: 0.0345862

Manual Int. Results

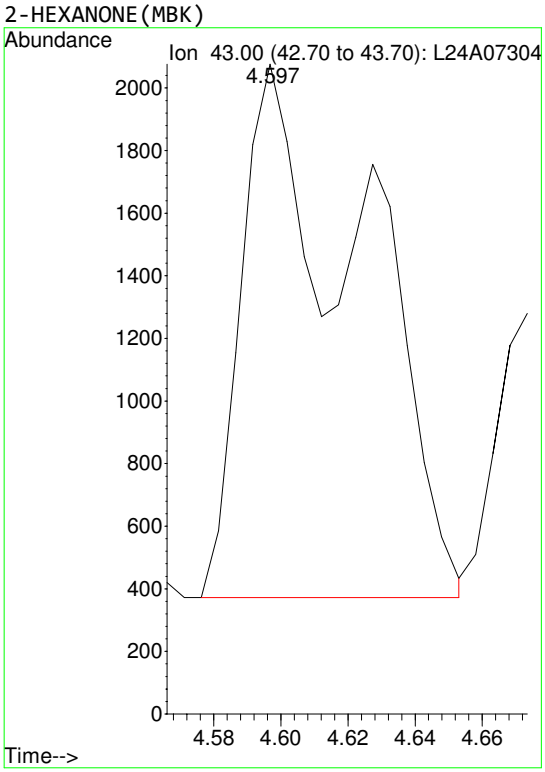
Fri Mar 15 11:31:11 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

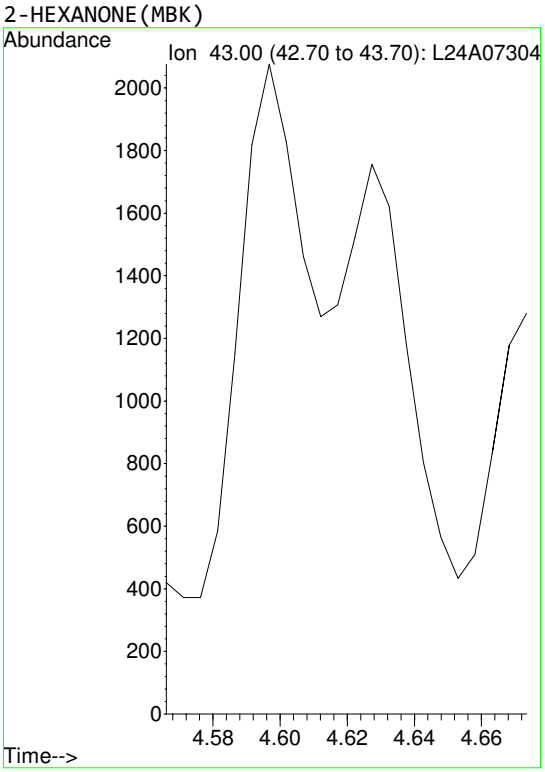
RT : 4.60
Area : 4234
Amount: 0.0969819

Manual Int. Results

Fri Mar 15 11:31:16 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

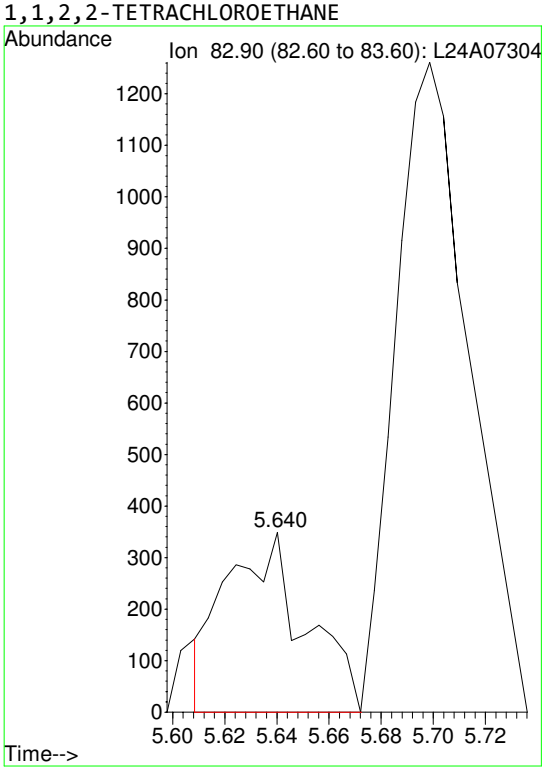
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

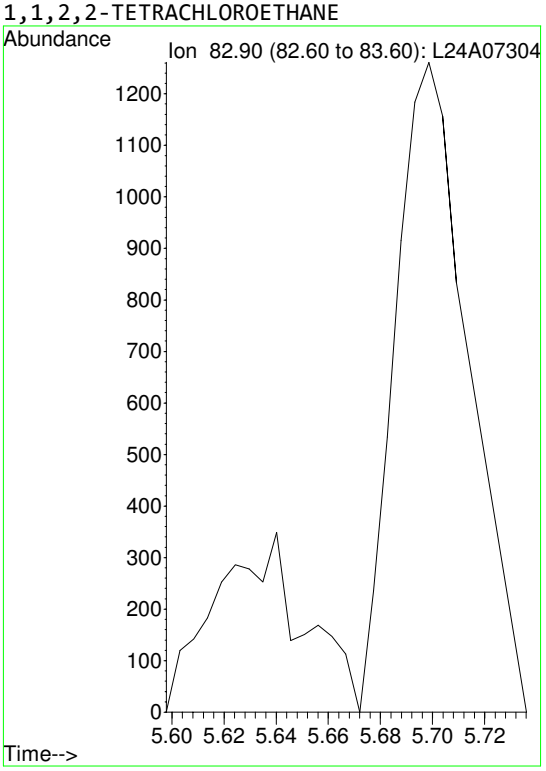
RT : 5.64
Area : 739
Amount: 0.014837

Manual Int. Results

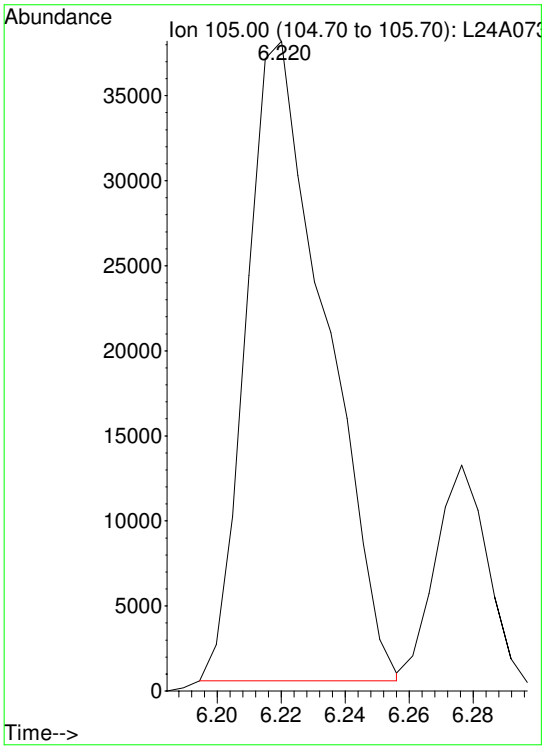
Fri Mar 15 11:31:21 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

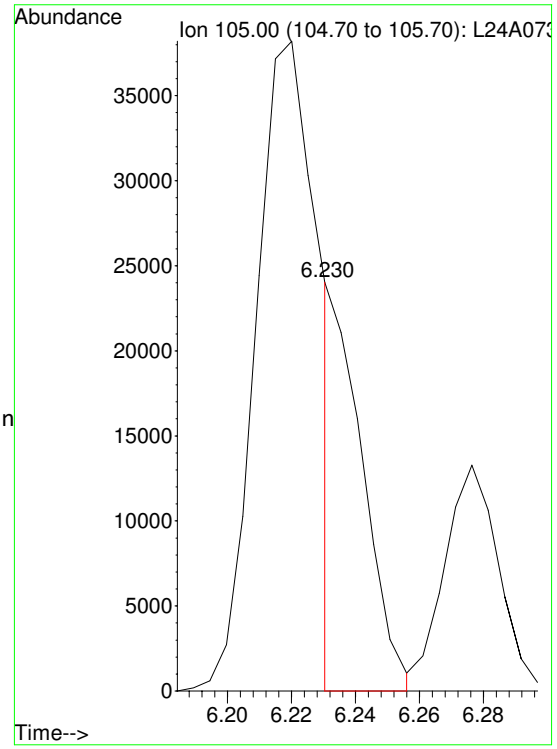
RT : 6.22
Area : 64383
Amount: 0.708811

Manual Int. Results

Fri Mar 15 11:31:29 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 15290
Amount: 0.168332

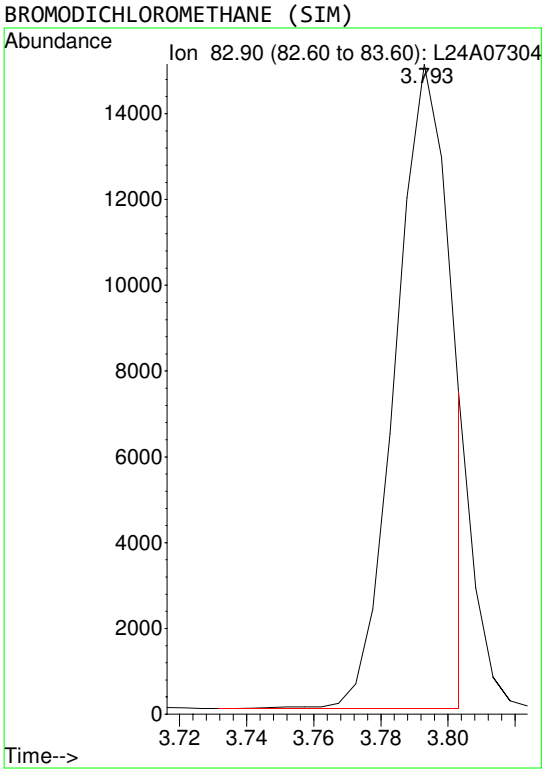
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

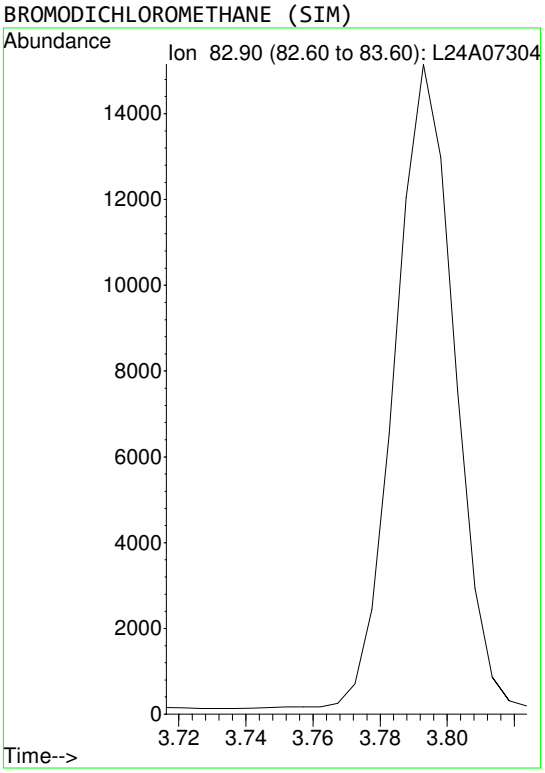
RT : 3.79
Area : 17412
Amount: 0.369743

Manual Int. Results

Fri Mar 15 11:31:52 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01RE1	File ID:	L24A073042.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:46
Solids:		Preparation:	TO-15 Prep	Dilution:	10
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
79-01-6	Trichloroethylene	100	0.38	0.50	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073042.D Vial: 36
Acq On : 14 Mar 2024 06:46 am Operator: CMR
Sample : 24C0251-01 10X Inst : SYSL
Misc : 1.5,1,200,30,10X Multiplr: 1.00
Quant Time: Mar 14 15:39:20 2024

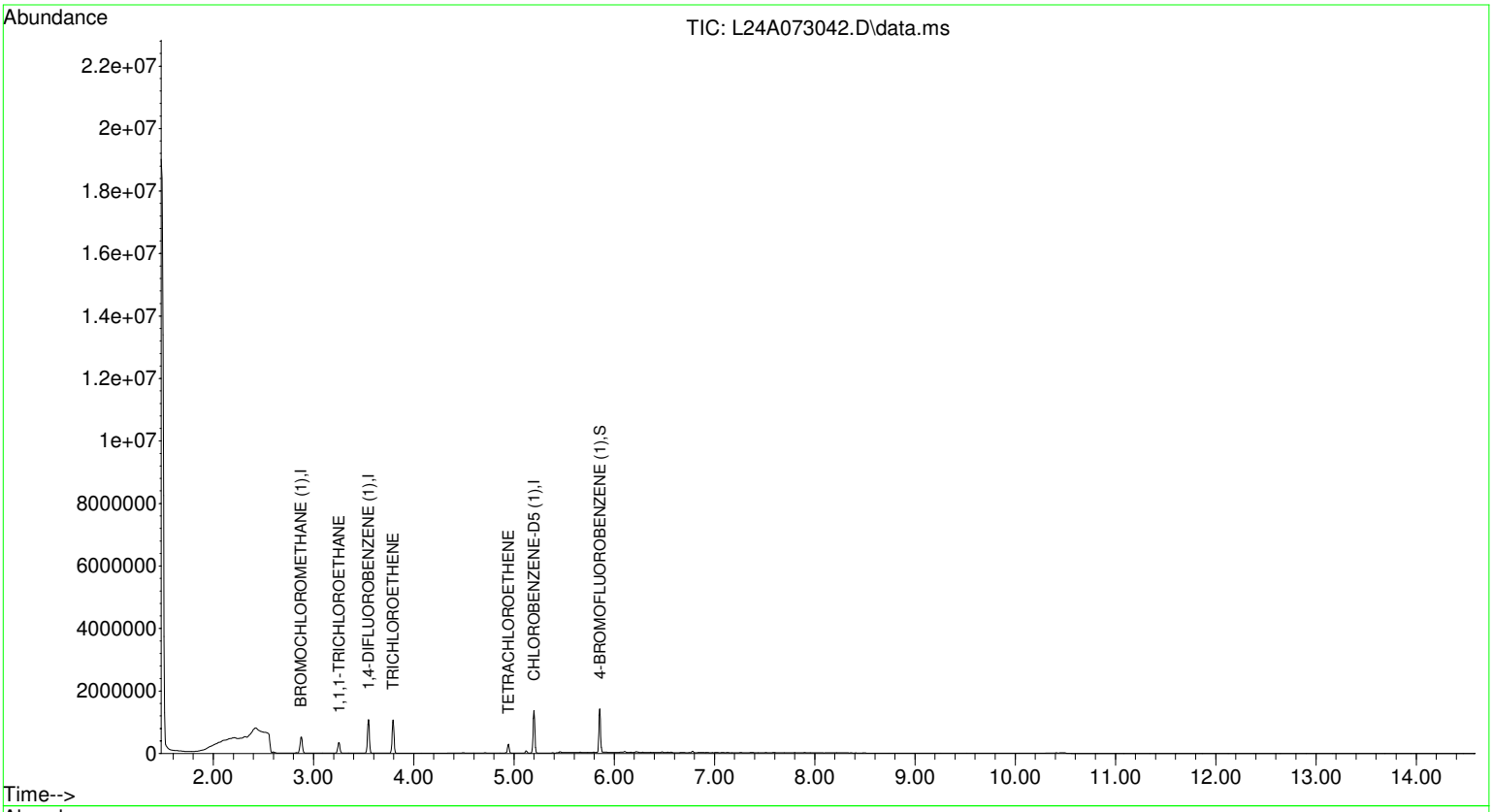
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073042.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

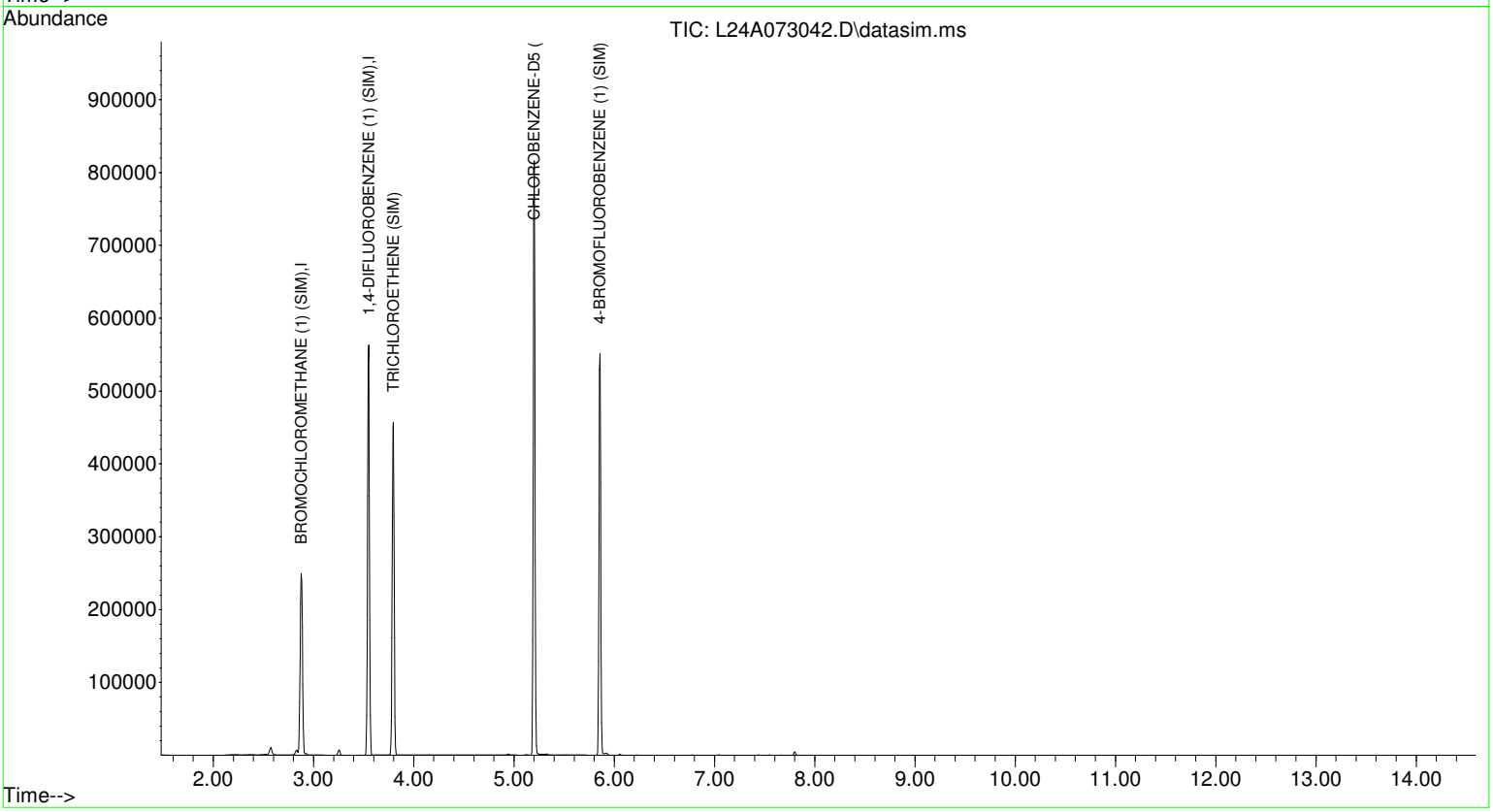
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	202504	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.548	114	620519	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.199	117	564269	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.877	49	220495	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.550	114	641519	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.202	117	621398	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	270609	6.968	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 87.13%			
87) 4-BROMOFLUOROBENZENE (...	5.858	174	283781	7.134	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 89.13%			
Target Compounds						Qvalue
31) 1,1,1-TRICHLOROETHANE	3.254	97	168602	4.282	PPBV	95
37) TRICHLOROETHENE	3.794	95	270758	10.400	PPBV	98
50) TETRACHLOROETHENE	4.943	166	57820	1.964	PPBV	99
81] TRICHLOROETHENE (SIM)	3.797	95	296131	10.977	PPBV	99

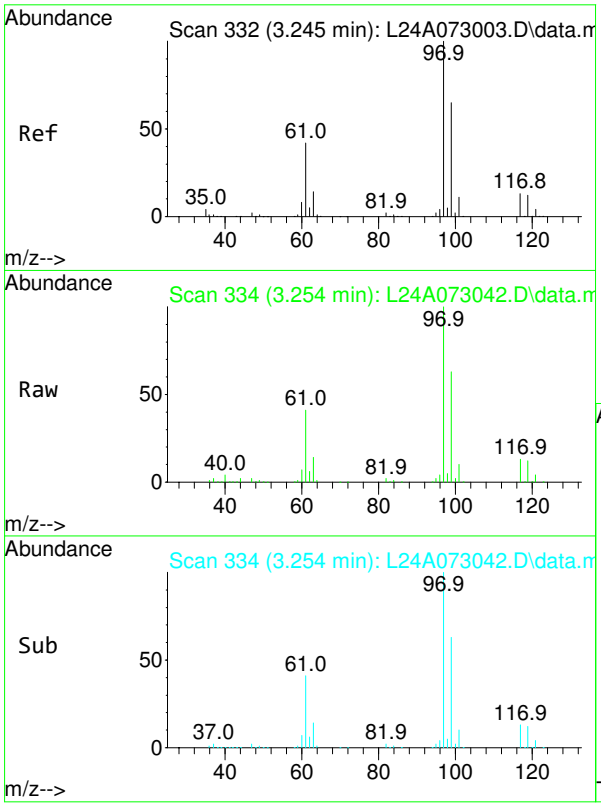
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073042.D Vial: 36
Acq On : 14 Mar 2024 06:46 am Operator: CMR
Sample : 24C0251-01 10X Inst : SYSL
Misc : 1.5,1,200,30,10X Multiplr: 1.00
Quant Time: Mar 14 15:39:20 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073042.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



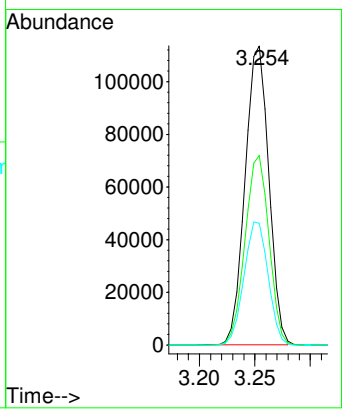


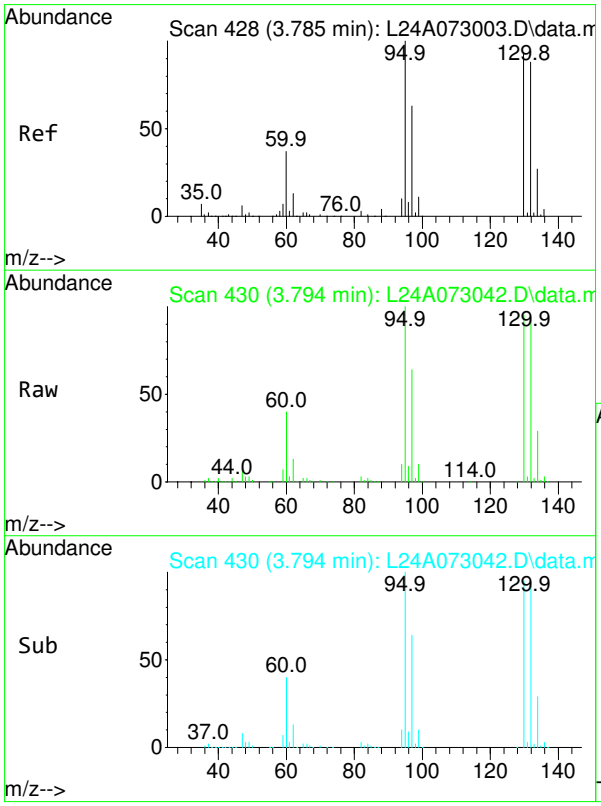


#31
1,1,1-TRICHLOROETHANE
Concen: 4.28 PPBV
RT: 3.254 min Scan# 334
Delta R.T. 0.009 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion: 97 Resp: 168602

Ion	Ratio	Lower	Upper
97	100		
99	64.1	45.3	85.3
61	42.0	28.1	68.1

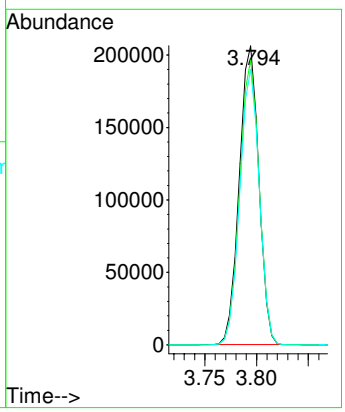


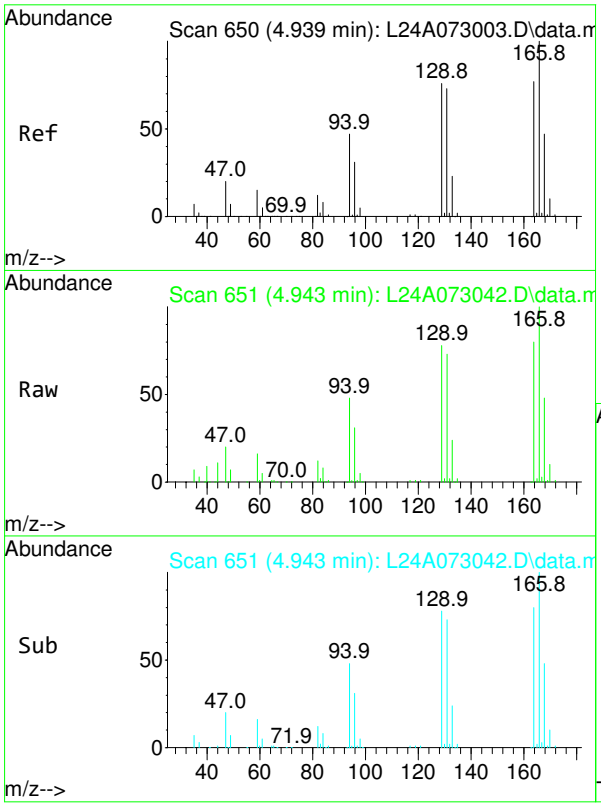


#37
TRICHLOROETHENE
Concen: 10.40 PPBV
RT: 3.794 min Scan# 430
Delta R.T. 0.006 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion: 95 Resp: 270758

Ion	Ratio	Lower	Upper
95	100		
130	95.1	76.0	116.0
132	91.8	74.7	114.7

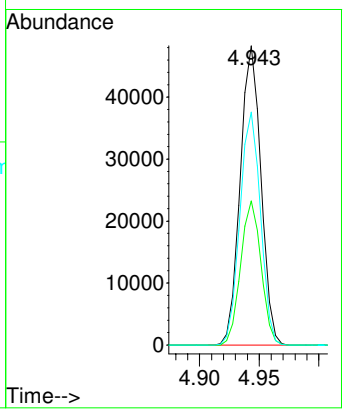


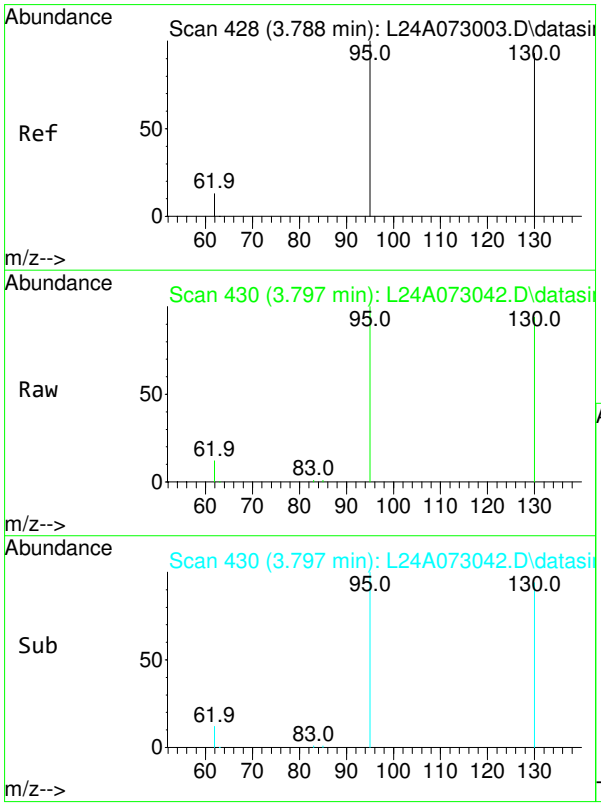


#50
TETRACHLOROETHENE
Concen: 1.96 PPBV
RT: 4.943 min Scan# 651
Delta R.T. -0.003 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion:166 Resp: 57820

Ion	Ratio	Lower	Upper
166	100		
168	47.4	28.8	68.8
129	77.2	56.6	96.6

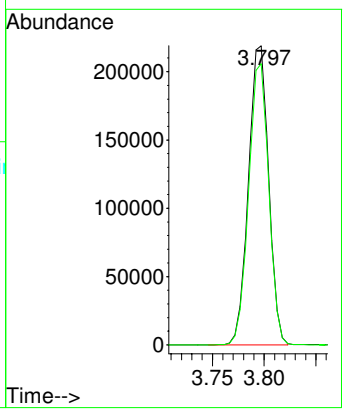




#81
TRICHLOROETHENE (SIM)
Concen: 10.98 PPBV
RT: 3.797 min Scan# 430
Delta R.T. 0.007 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion: 95 Resp: 296131

Ion	Ratio	Lower	Upper
95	100		
130	93.6	74.5	114.5



1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-02	File ID:	L24A073040.D
Sampled:	02/28/24 16:23	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:51
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	8.6	2.0	4.0	
71-43-2	Benzene	0.29	0.031	0.10	
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)	2.2	2.0	4.0	J
75-15-0	Carbon Disulfide	0.32	0.19	1.0	J
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	0.15	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane	0.096	0.078	0.10	J
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene	0.13	0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.45	0.042	0.10	
75-34-3	1,1-Dichloroethane	0.090	0.049	0.10	J
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-02	File ID:	L24A073040.D
Sampled:	02/28/24 16:23	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:51
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	70	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene	0.27	0.034	0.10	
622-96-8	4-Ethyltoluene	0.18	0.043	0.10	
142-82-5	Heptane	0.25	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol	7.2	2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene	0.17	0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene	0.090	0.077	0.10	J
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.23	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	1.5	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	2.7	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene	2.5	0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.29	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.064	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene	1.3	0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene	0.24	0.077	0.10	
108-05-4	Vinyl Acetate	0.71	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-02	File ID:	L24A073040.D
Sampled:	02/28/24 16:23	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:51
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene	0.96	0.070	0.20	
95-47-6	o-Xylene	0.43	0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073040.D Vial: 35
Acq On : 14 Mar 2024 05:51 am Operator: CMR
Sample : 24C0251-02 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:16 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073040.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	205775	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.542	114	608703	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	570925	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	222538	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.545	114	633969	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	625913	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	280773	7.145	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 89.25%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	294939	7.361	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	10344	0.227	PPBV	96
10) ACROLEIN	1.907	56	3198	0.392	PPBV	91
11) ACETONE	1.943	43	124757	4.322	PPBV	70
12) TRICHLOROFLUOROMETHANE	1.999	101	6706	0.144	PPBV	98
13) ETHANOL	1.810	45	155383	34.870	PPBV	96
15) METHYLENE CHLORIDE	2.217	49	1121	0.050	PPBV	98
16) FREON 113	2.307	101	1178	0.032	PPBV	99
17) CARBON DISULFIDE	2.307	76	8391	0.158	PPBV	95
19) 1,1-DICHLOROETHANE	2.561	63	1597	0.045	PPBV	72
21) IPA	2.015	45	109048	3.591	PPBV	96
22) 2-BUTANONE(MEK)	2.694	43	39294	1.106	PPBV	88
24) VINYL ACETATE	2.604	43	13425	0.357	PPBV	81
25) HEXANE	2.901	41	2831	0.148	PPBV #	76
26) ETHYL ACETATE	2.911	45	1154	0.188	PPBV #	60
27) CHLOROFORM	2.917	83	2694	0.073	PPBV	94
28) TETRAHYDROFURAN	3.065	42	2442	0.104	PPBV #	48
31) 1,1,1-TRICHLOROETHANE	3.249	97	52515	1.360	PPBV	98
32) BENZENE	3.405	78	7946	0.144	PPBV	94
33) CARBON TETRACHLORIDE	3.458	117	1065	0.027	PPBV	96
34) CYCLOHEXANE	3.505	84	1111	0.048	PPBV	94
37) TRICHLOROETHENE	3.790	95	32104	1.257	PPBV	98
39) METHYLMETHACRYLATE	3.887	69	695	0.036	PPBV #	41
40) HEPTANE	3.923	57	2195	0.126	PPBV	87
46) TOLUENE	4.489	91	50764	0.758	PPBV	100
50) TETRACHLOROETHENE	4.939	166	3390	0.114	PPBV	97
52) ETHYLBENZENE	5.386	91	11239	0.134	PPBV	93
53) M/P-XYLENE	5.460	91	33279	0.480	PPBV	96
55) STYRENE	5.614	104	2135	0.045	PPBV	91
56) O-XYLENE	5.656	91	14665	0.215	PPBV	93
59) 4-ETHYLTOLUENE	6.230	105	8156m	0.092	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	8961	0.119	PPBV	95
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	46037	0.632	PPBV	98
62) 1,3-DICHLOROBENZENE	6.531	146	2800	0.063	PPBV #	1
67) NAPHTHALENE	7.799	128	5914	0.087	PPBV	92
73] 1,1-DICHLOROETHANE (SIM)	2.564	63	1716	0.045	PPBV	98
75] CHLOROFORM (SIM)	2.919	83	2991	0.076	PPBV	98
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	315	0.012	PPBV #	48
78] CARBON TETRACHLORIDE (...	3.461	117	1042	0.025	PPBV	98
81] TRICHLOROETHENE (SIM)	3.793	95	34899	1.309	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073040.D Vial: 35
Acq On : 14 Mar 2024 05:51 am Operator: CMR
Sample : 24C0251-02 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:16 2024

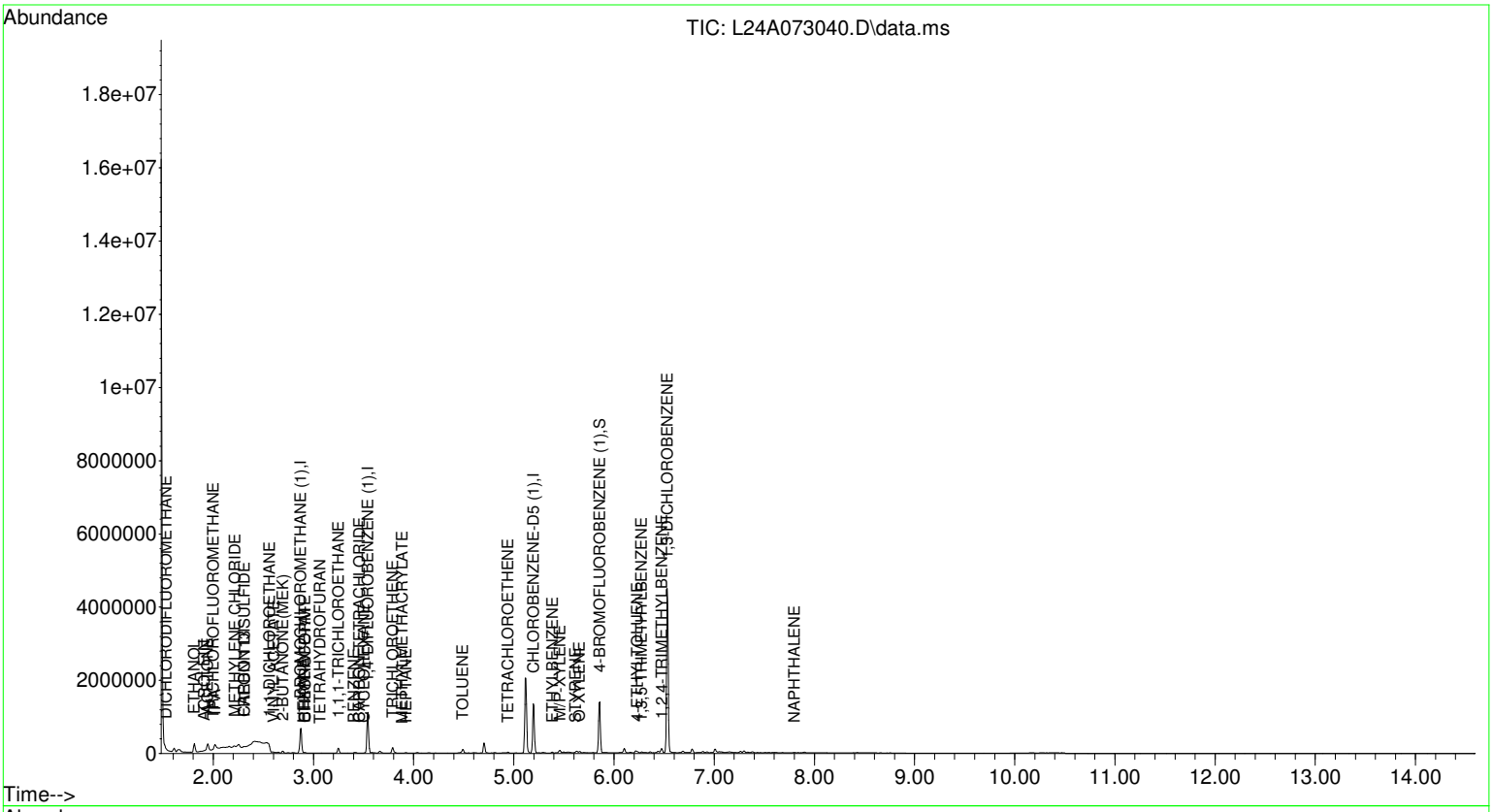
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073040.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

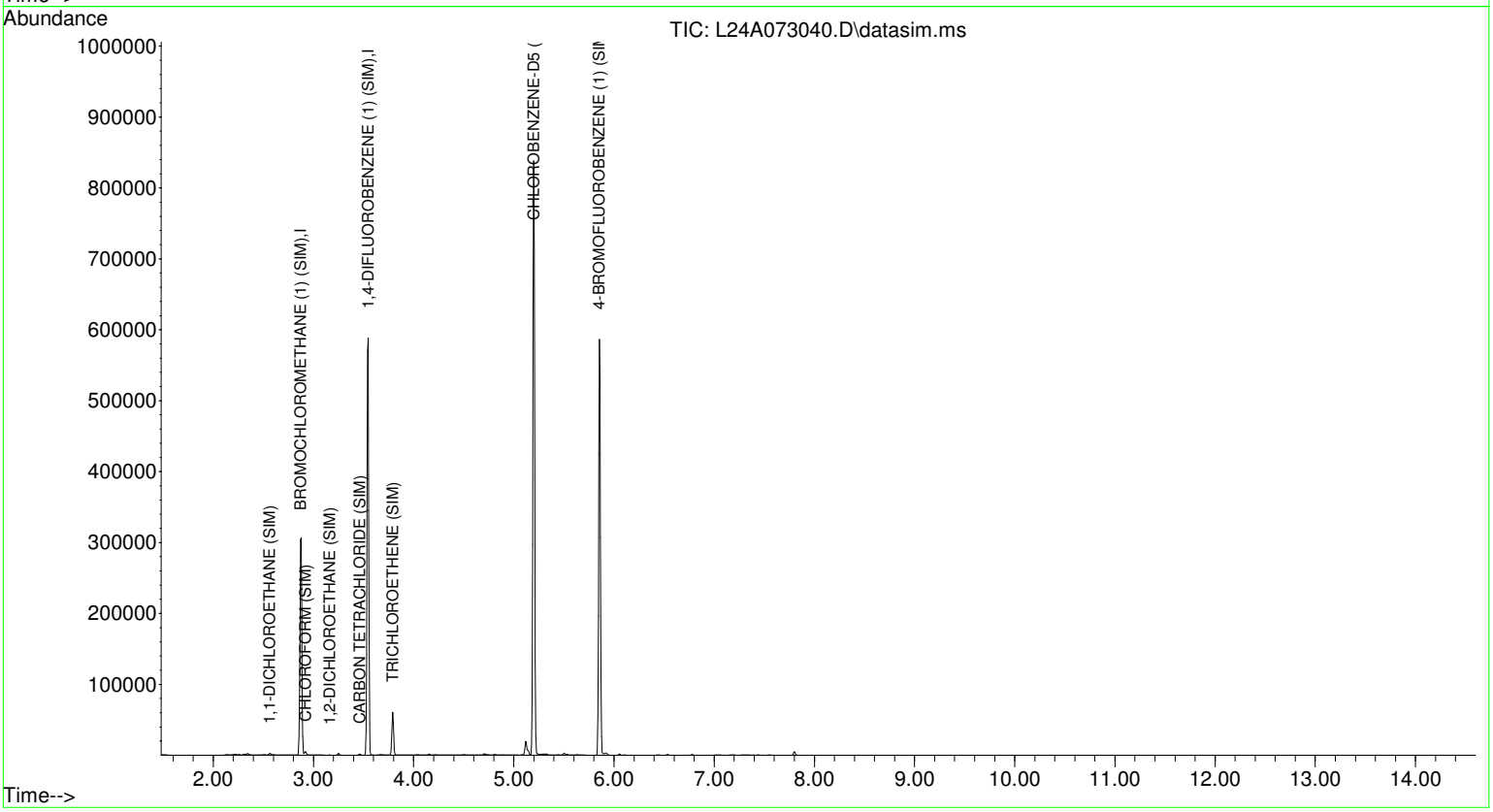
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

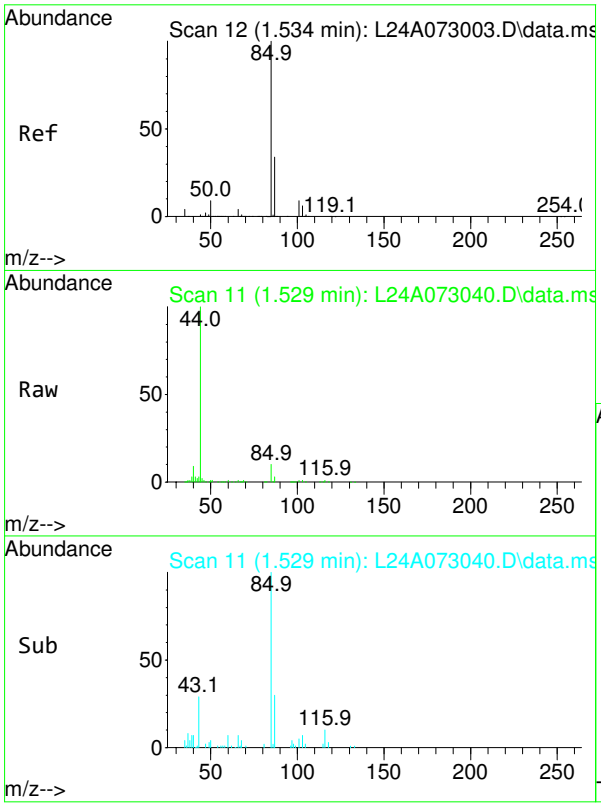
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073040.D Vial: 35
Acq On : 14 Mar 2024 05:51 am Operator: CMR
Sample : 24C0251-02 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:16 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073040.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



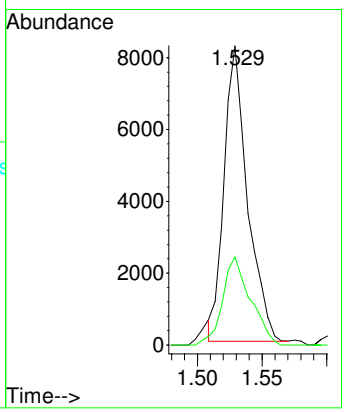


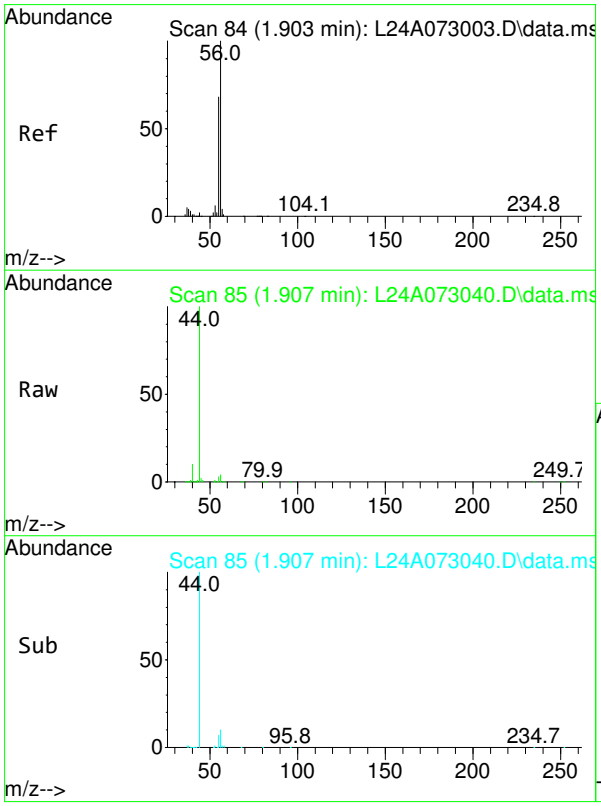


#3
DICHLORODIFLUOROMETHANE
Concen: 0.23 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 85 Resp: 10344

Ion	Ratio	Lower	Upper
85	100		
87	34.4	12.0	52.0

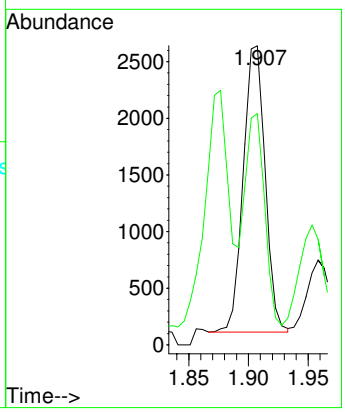


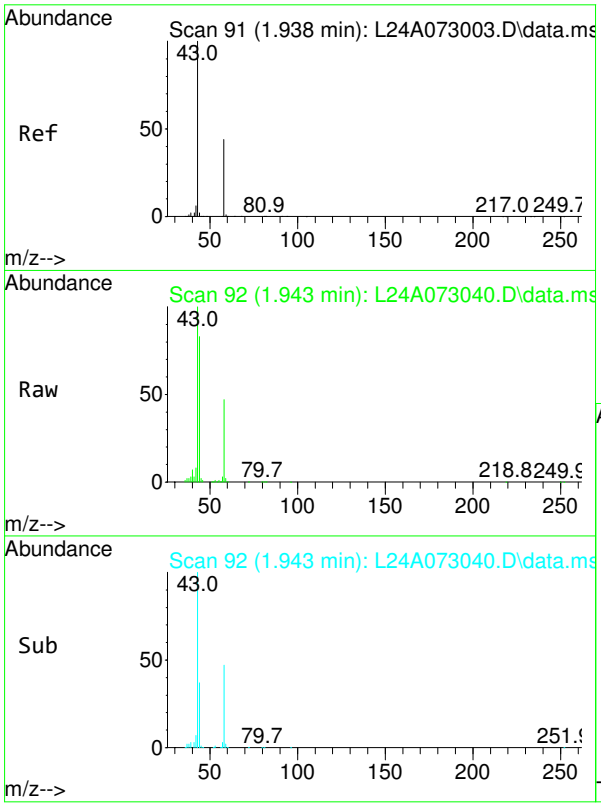


#10
ACROLEIN
Concen: 0.39 PPBV
RT: 1.907 min Scan# 85
Delta R.T. 0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 56 Resp: 3198

Ion	Ratio	Lower	Upper
56	100		
55	64.3	51.4	91.4

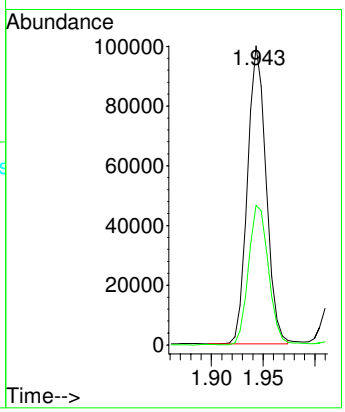


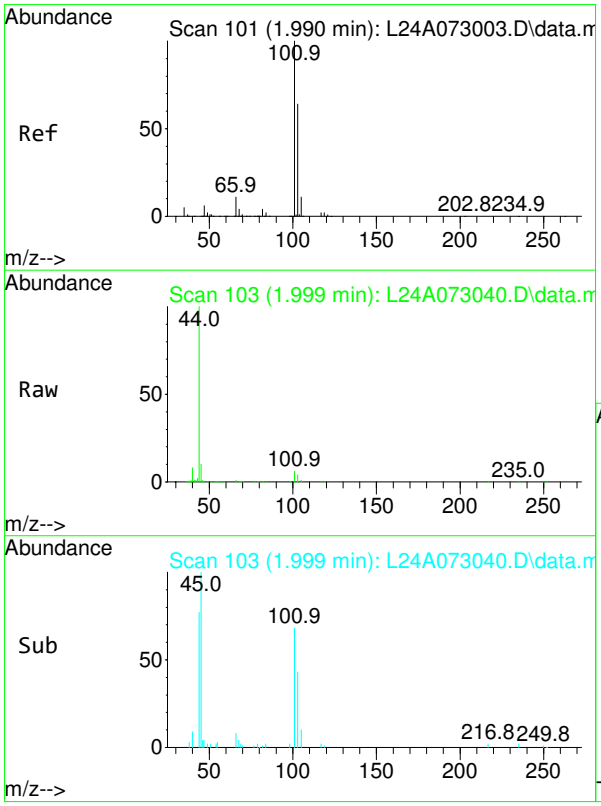


#11
ACETONE
Concen: 4.32 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 43 Resp: 124757

Ion	Ratio	Lower	Upper
43	100		
58	50.1	13.1	53.1

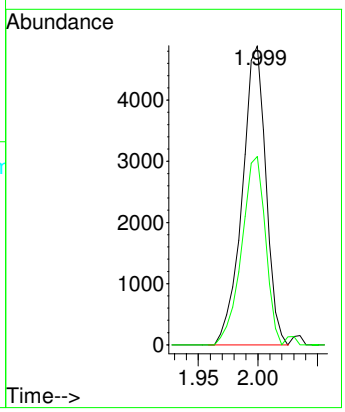


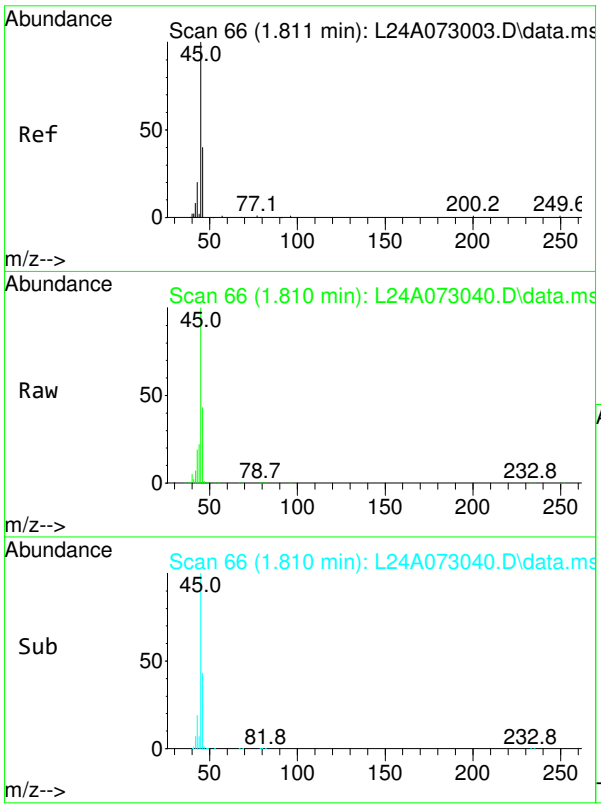


#12
TRICHLOROFLUOROMETHANE
Concen: 0.14 PPBV
RT: 1.999 min Scan# 103
Delta R.T. 0.012 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:101 Resp: 6706

Ion	Ratio	Lower	Upper
101	100		
103	63.3	44.7	84.7

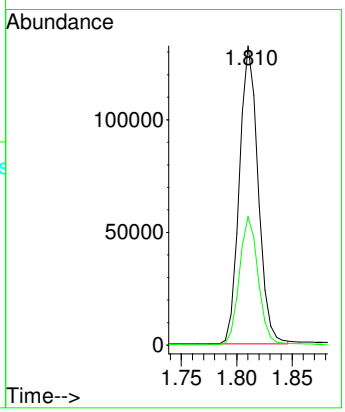


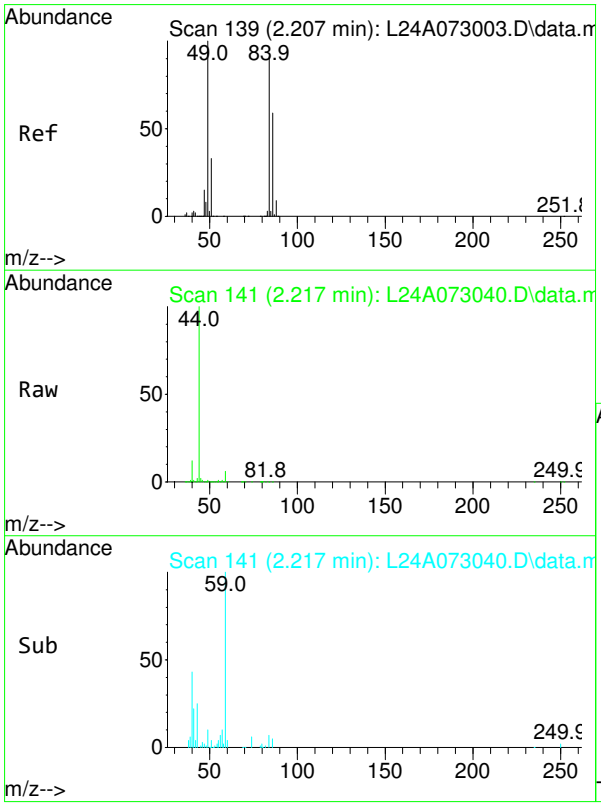


#13
ETHANOL
Concen: 34.87 PPBV
RT: 1.810 min Scan# 66
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 45 Resp: 155383

Ion	Ratio	Lower	Upper
45	100		
46	43.1	20.5	60.5

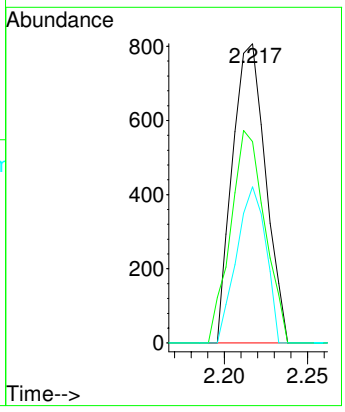


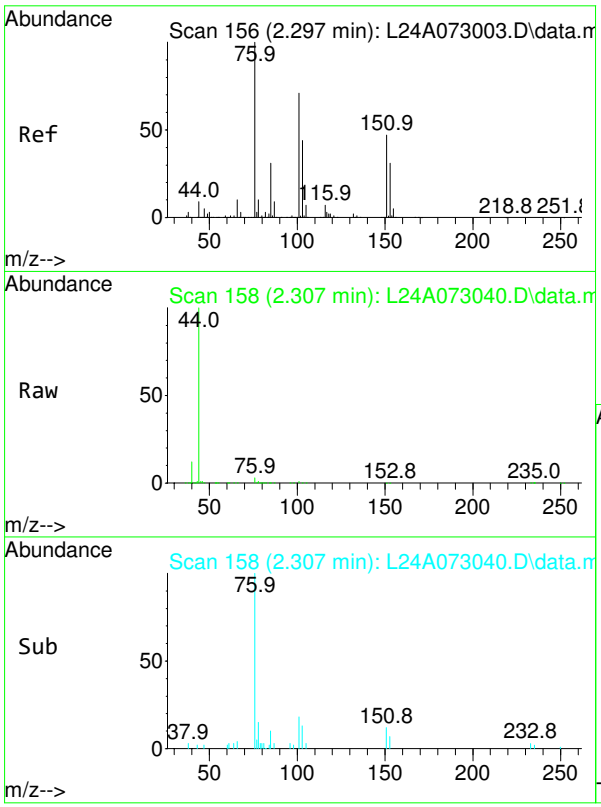


#15
METHYLENE CHLORIDE
Concen: 0.05 PPBV
RT: 2.217 min Scan# 141
Delta R.T. 0.009 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 49 Resp: 1121

Ion	Ratio	Lower	Upper
49	100		
84	73.3	52.0	92.0
86	46.2	27.3	67.3

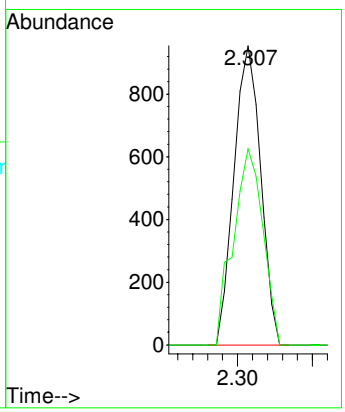


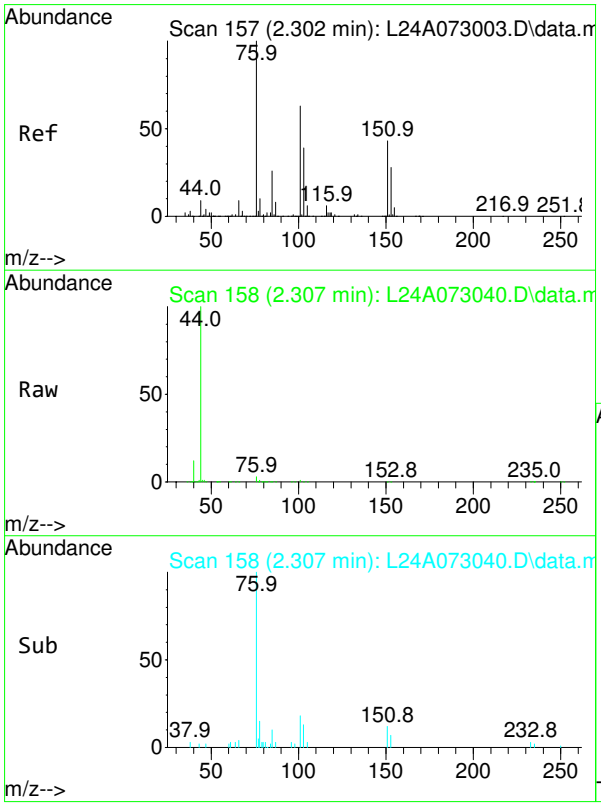


#16
FREON 113
Concen: 0.03 PPBV
RT: 2.307 min Scan# 158
Delta R.T. 0.006 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:101 Resp: 1178

Ion	Ratio	Lower	Upper
101	100		
151	73.0	52.3	92.3

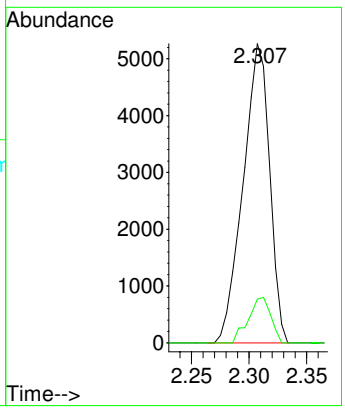


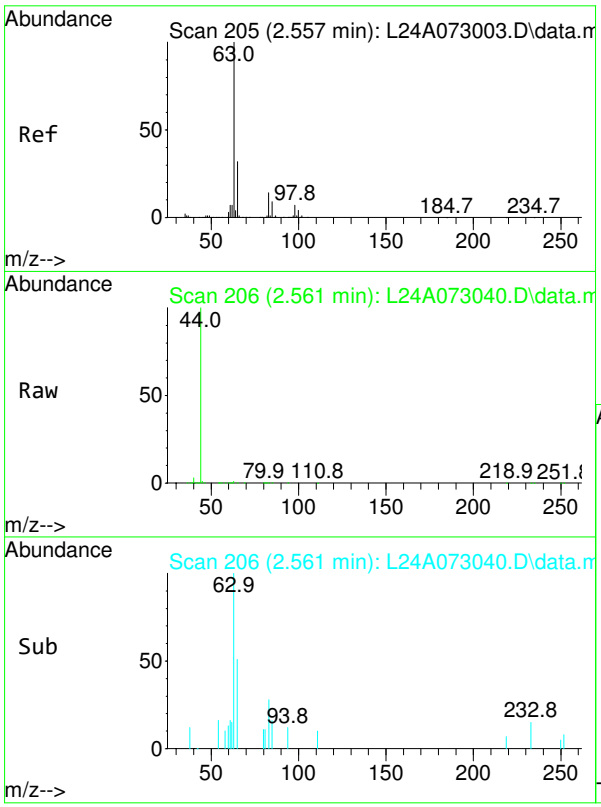


#17
CARBON DISULFIDE
Concen: 0.16 PPBV
RT: 2.307 min Scan# 158
Delta R.T. 0.006 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 76 Resp: 8391

Ion	Ratio	Lower	Upper
76	100		
78	12.8	0.0	31.1

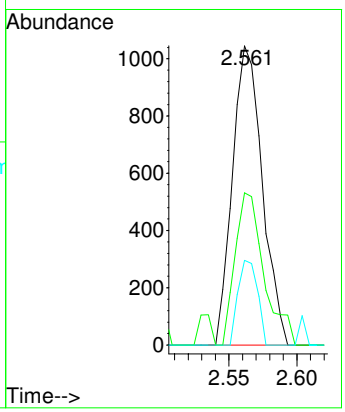


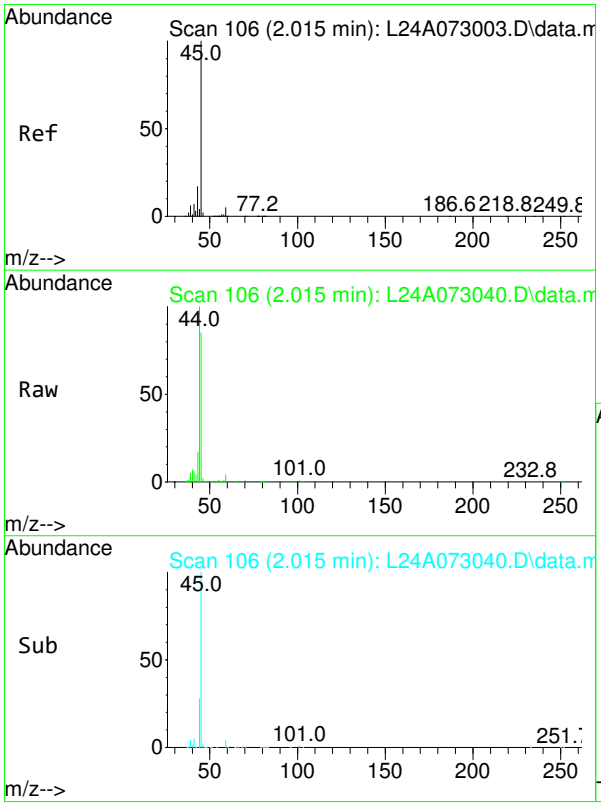


#19
1,1-DICHLOROETHANE
Concen: 0.04 PPBV
RT: 2.561 min Scan# 206
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 63 Resp: 1597

Ion	Ratio	Lower	Upper
63	100		
65	49.3	10.7	50.7
83	18.5	0.0	32.7

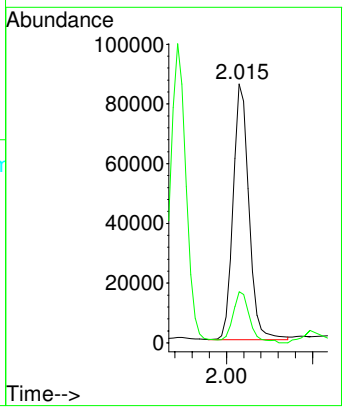


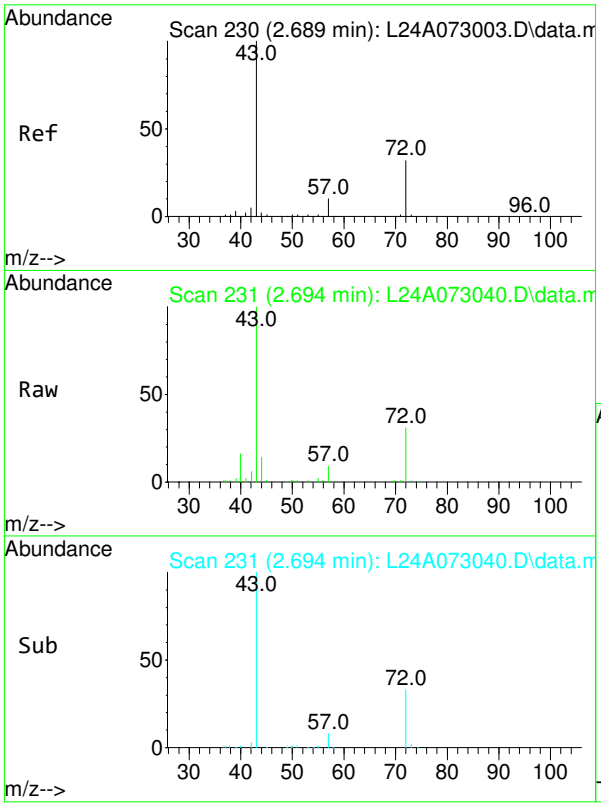


#21
IPA
Concen: 3.59 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 45 Resp: 109048

Ion	Ratio	Lower	Upper
45	100		
43	21.3	0.0	39.3

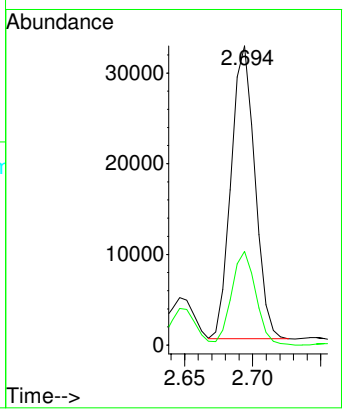


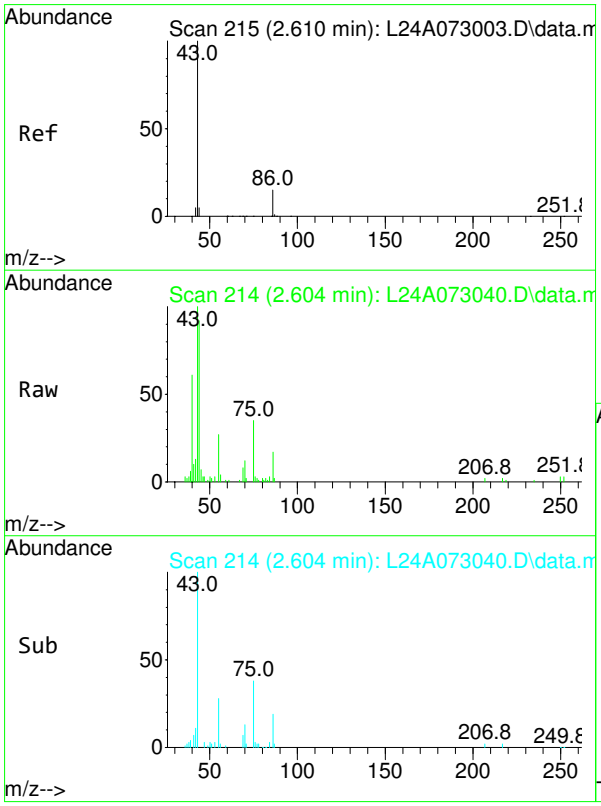


#22
2-BUTANONE(MEK)
Concen: 1.11 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 43 Resp: 39294

Ion	Ratio	Lower	Upper
43	100		
72	31.6	5.6	45.6

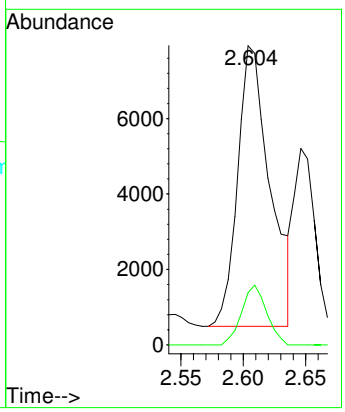


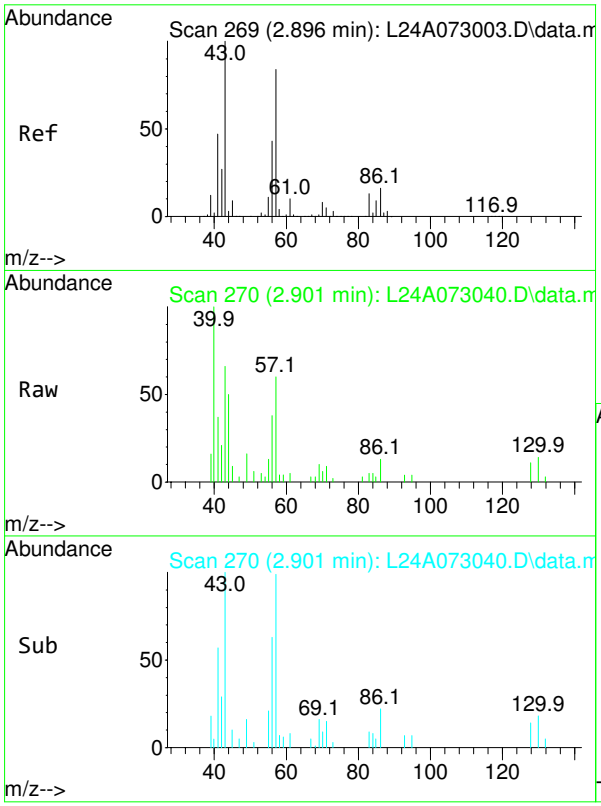


#24
VINYL ACETATE
Concen: 0.36 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 43 Resp: 13425

Ion	Ratio	Lower	Upper
43	100		
86	16.5	0.0	19.5

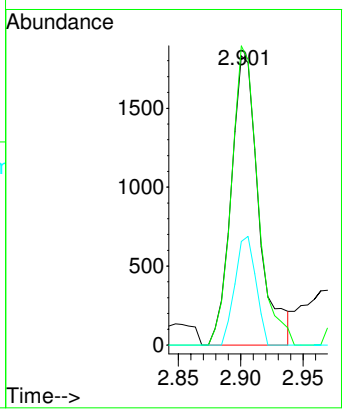


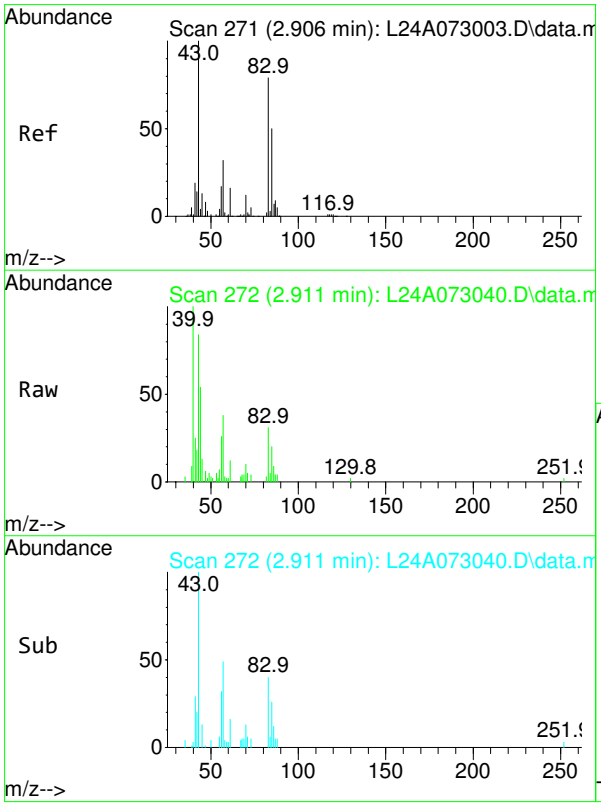


#25
HEXANE
Concen: 0.15 PPBV
RT: 2.901 min Scan# 270
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 41 Resp: 2831

Ion	Ratio	Lower	Upper
41	100		
56	98.6	52.3	92.3#
86	28.5	16.1	36.1

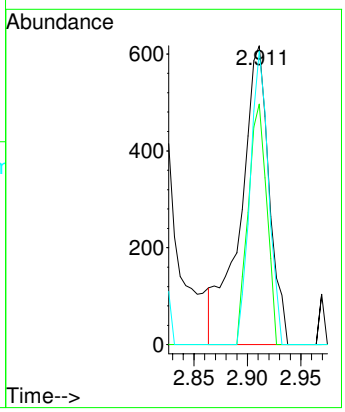


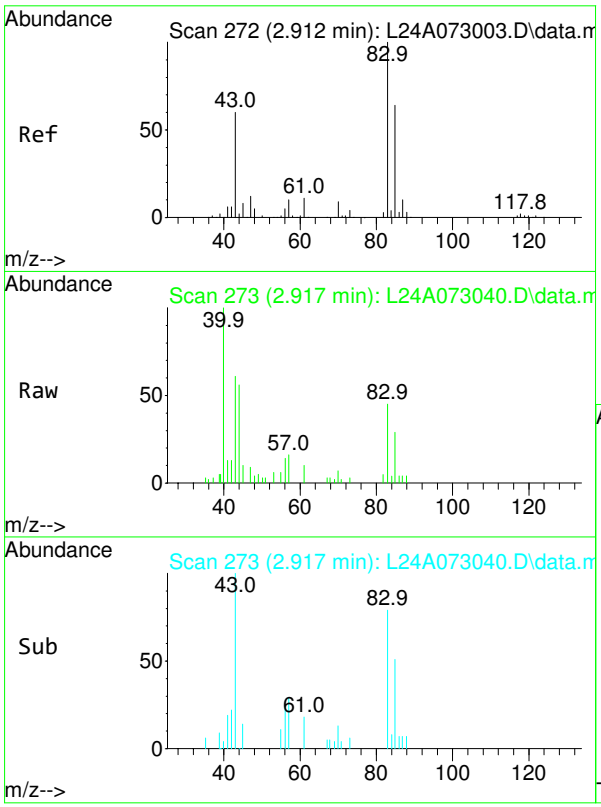


#26
ETHYL ACETATE
Concen: 0.19 PPBV
RT: 2.911 min Scan# 272
Delta R.T. 0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 45 Resp: 1154

Ion	Ratio	Lower	Upper
45	100		
70	51.8	68.8	108.8#
61	62.8	83.3	123.3#

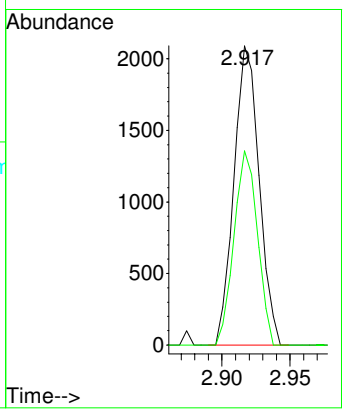


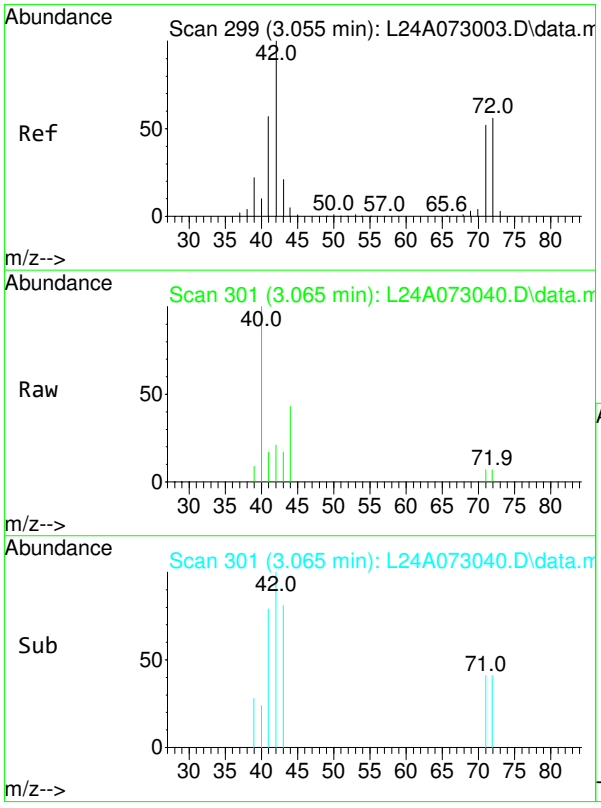


#27
CHLOROFORM
Concen: 0.07 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
85	60.4	44.8	84.8

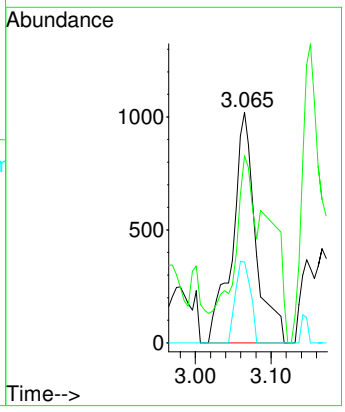


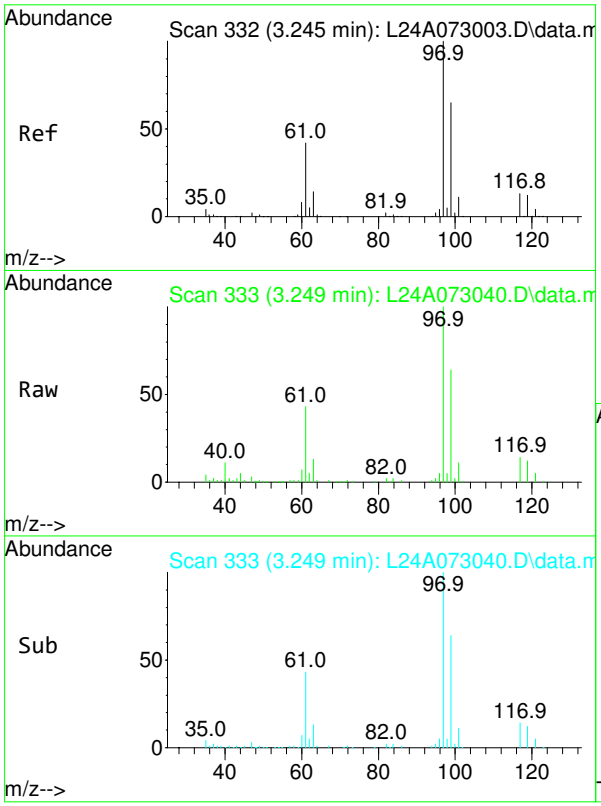


#28
TETRAHYDROFURAN
Concen: 0.10 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 42 Resp: 2442

Ion	Ratio	Lower	Upper
42	100		
41	100.0	33.5	73.5#
71	20.2	24.0	64.0#

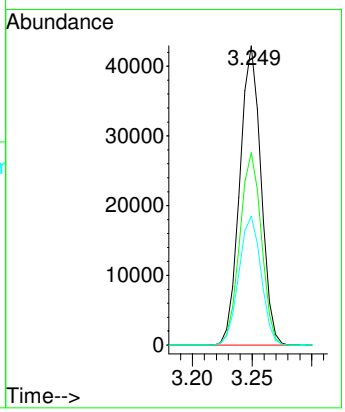


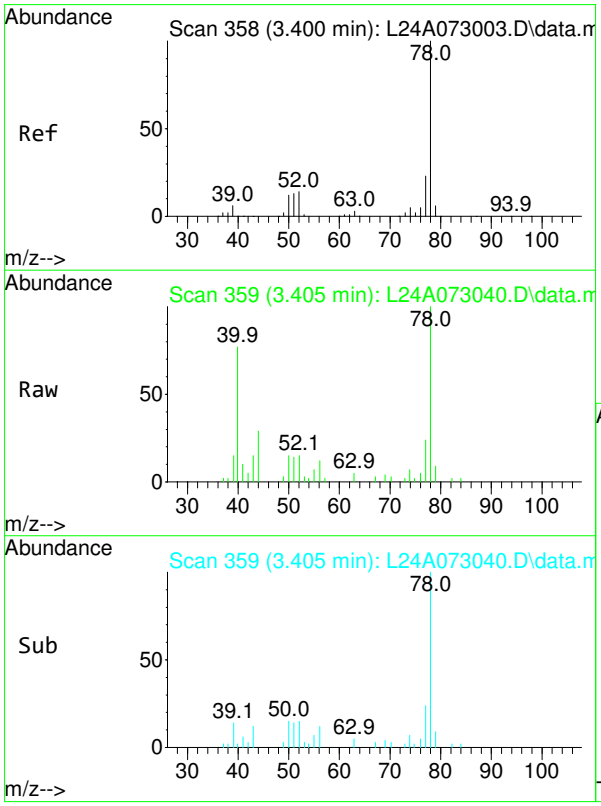


#31
1,1,1-TRICHLOROETHANE
Concen: 1.36 PPBV
RT: 3.249 min Scan# 333
Delta R.T. 0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 97 Resp: 52515

Ion	Ratio	Lower	Upper
97	100		
99	65.5	45.3	85.3
61	45.1	28.1	68.1

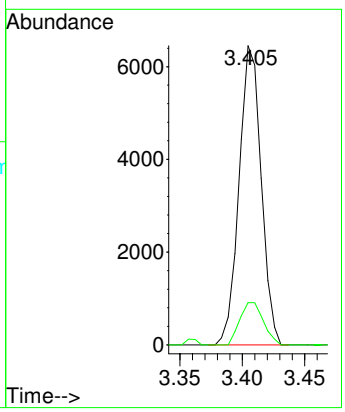


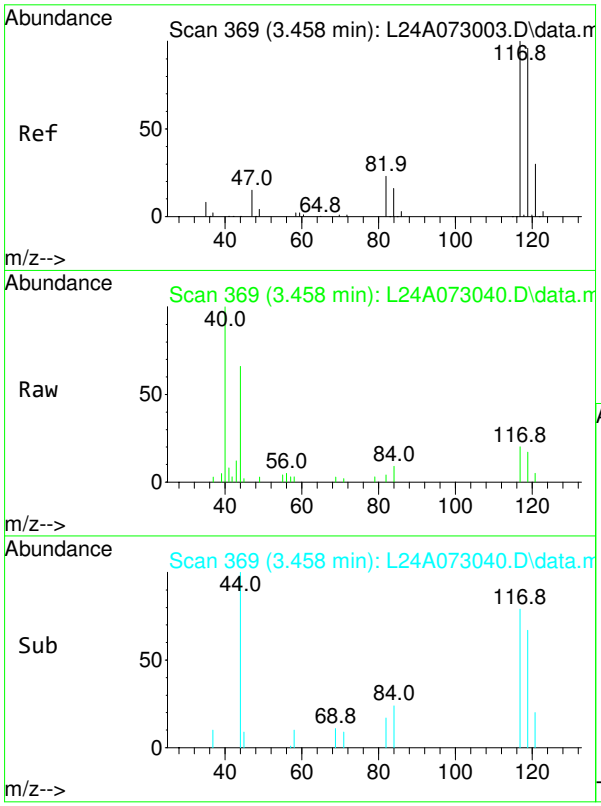


#32
BENZENE
Concen: 0.14 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 78 Resp: 7946

Ion	Ratio	Lower	Upper
78	100		
51	15.2	0.0	37.7

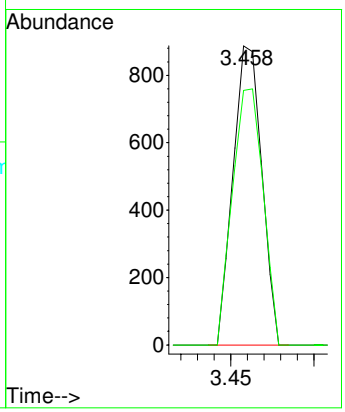


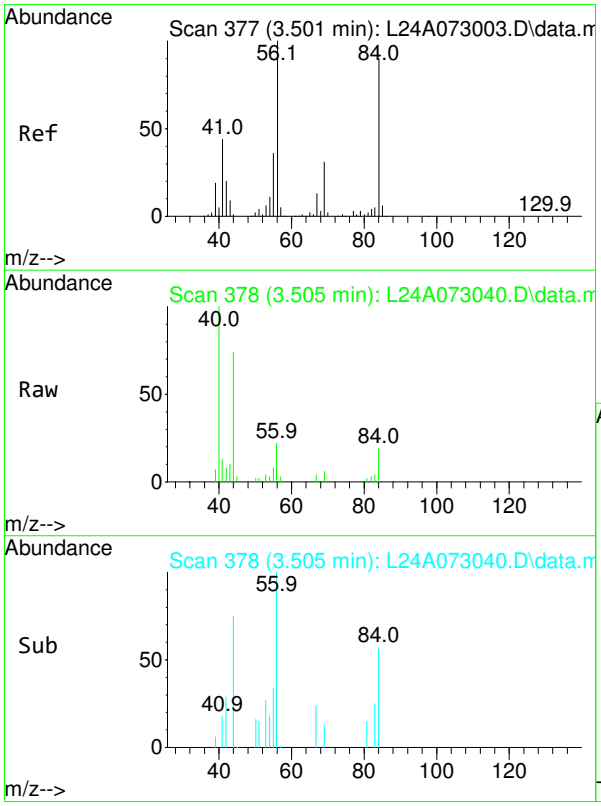


#33
CARBON TETRACHLORIDE
Concen: 0.03 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:117 Resp: 1065

Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.3	115.3

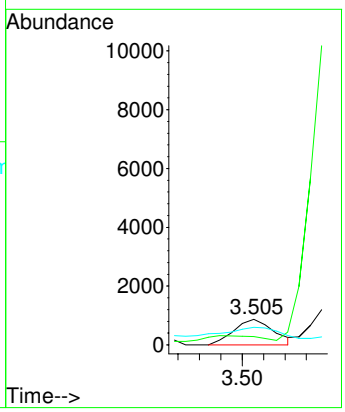


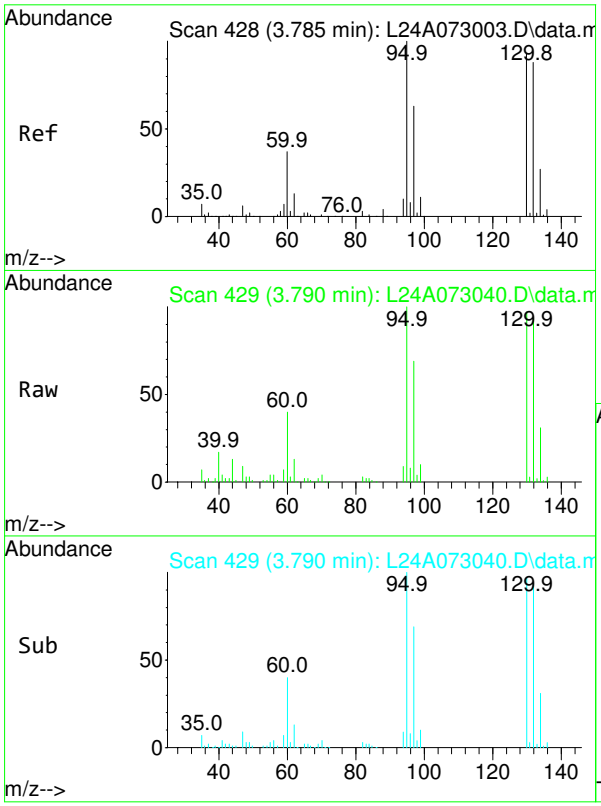


#34
CYCLOHEXANE
Concen: 0.05 PPBV
RT: 3.505 min Scan# 378
Delta R.T. -0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 84 Resp: 1111

Ion	Ratio	Lower	Upper
84	100		
69	34.9	17.7	57.7
41	59.3	44.6	84.6

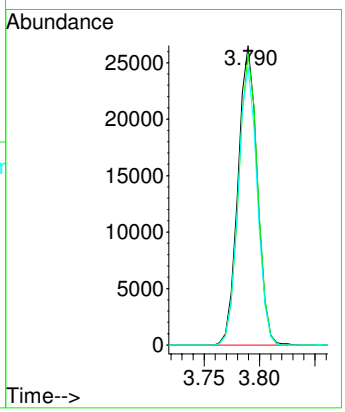


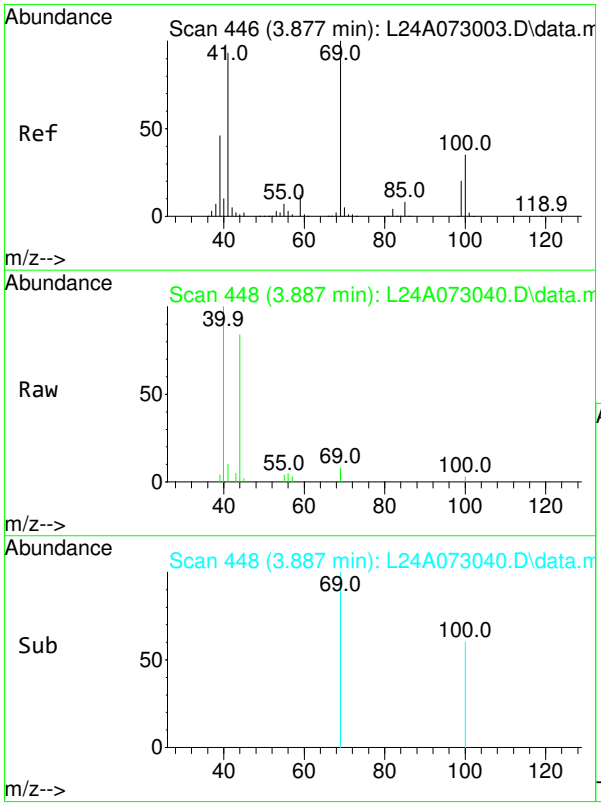


#37
TRICHLOROETHENE
Concen: 1.26 PPBV
RT: 3.790 min Scan# 429
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 95 Resp: 32104

Ion	Ratio	Lower	Upper
95	100		
130	95.5	76.0	116.0
132	91.6	74.7	114.7

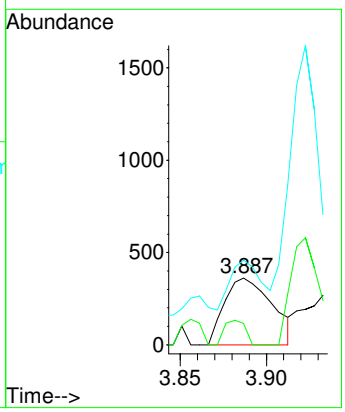


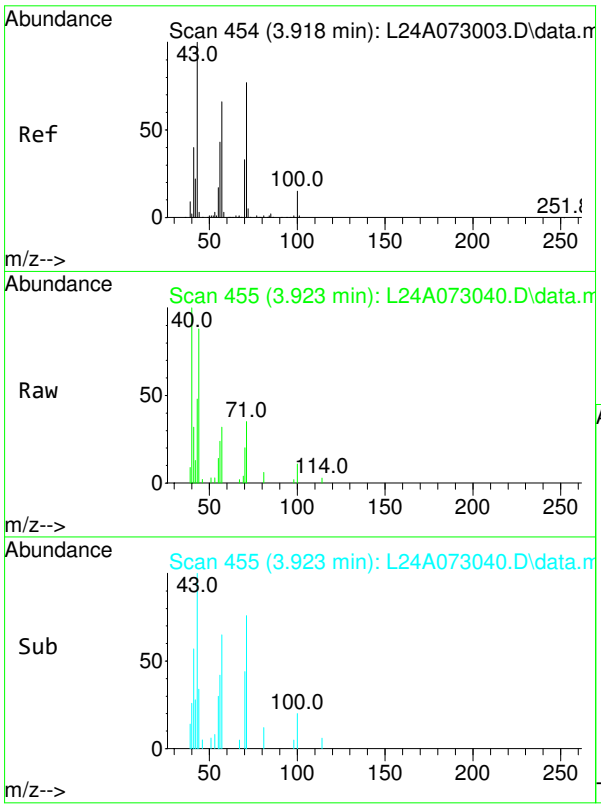


#39
METHYLMETHACRYLATE
Concen: 0.04 PPBV
RT: 3.887 min Scan# 448
Delta R.T. 0.005 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 69 Resp: 695

Ion	Ratio	Lower	Upper
69	100		
100	16.1	18.0	58.0#
41	48.3	102.8	142.8#

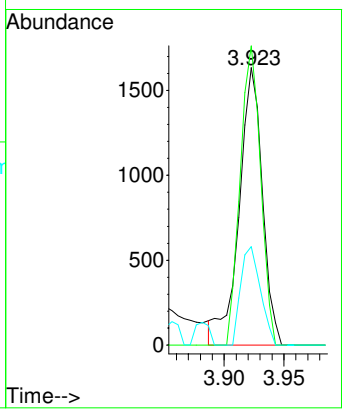


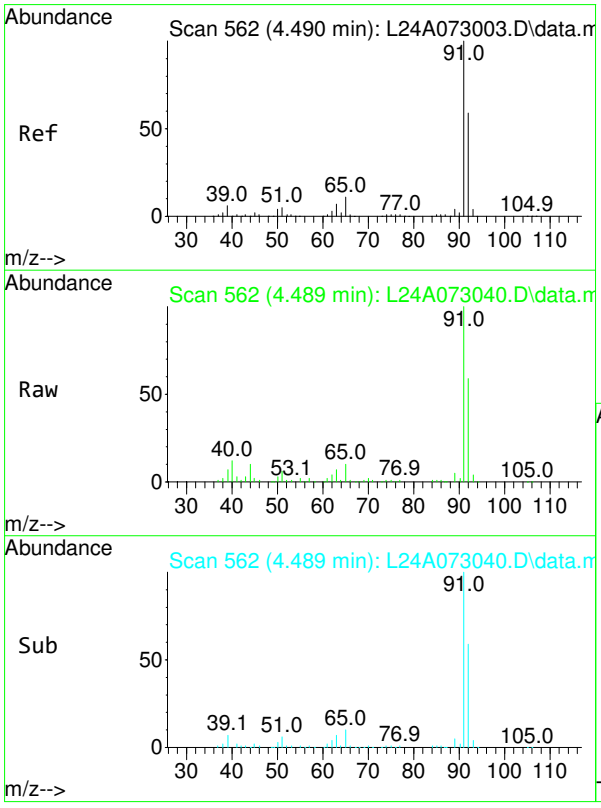


#40
HEPTANE
Concen: 0.13 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 57 Resp: 2195

Ion	Ratio	Lower	Upper
57	100		
71	94.4	87.9	127.9
100	30.0	4.4	44.4

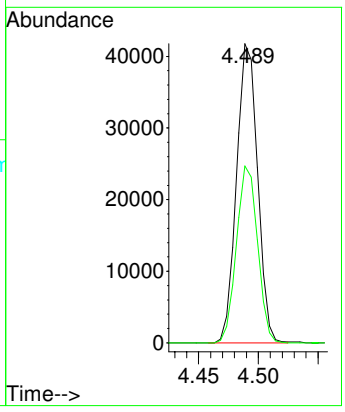


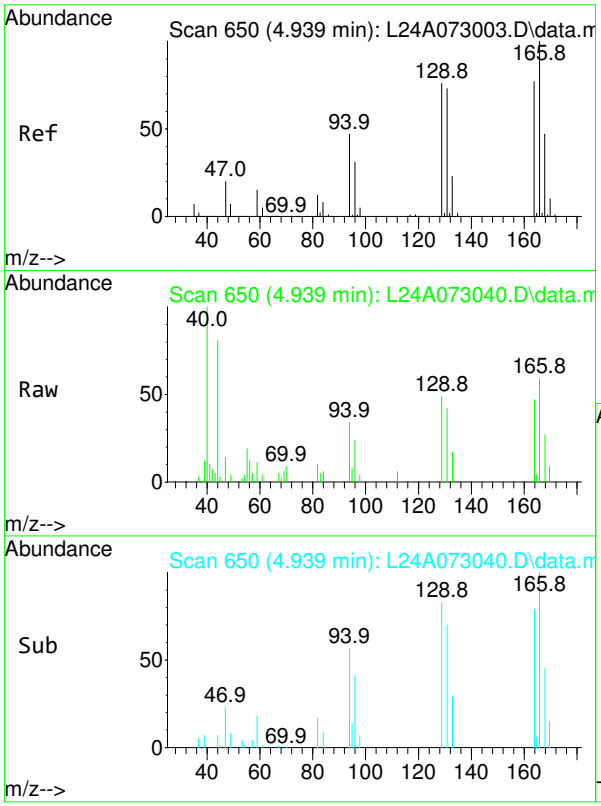


#46
TOLUENE
Concen: 0.76 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 50764

Ion	Ratio	Lower	Upper
91	100		
92	59.2	39.1	79.1

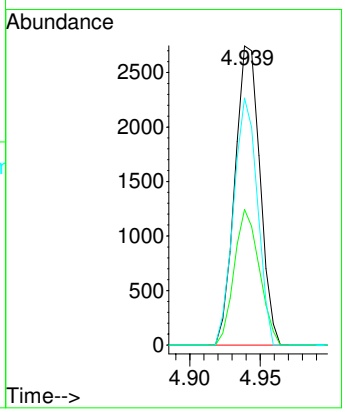


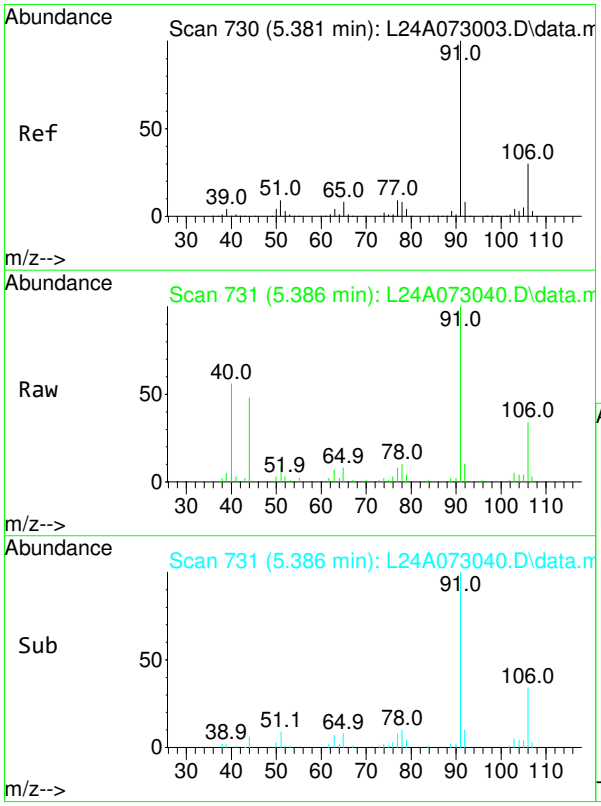


#50
TETRACHLOROETHENE
Concen: 0.11 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:166 Resp: 3390

Ion	Ratio	Lower	Upper
166	100		
168	45.4	28.8	68.8
129	78.5	56.6	96.6

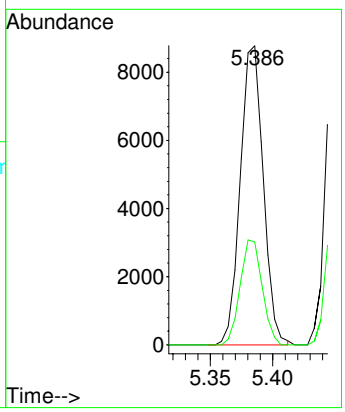


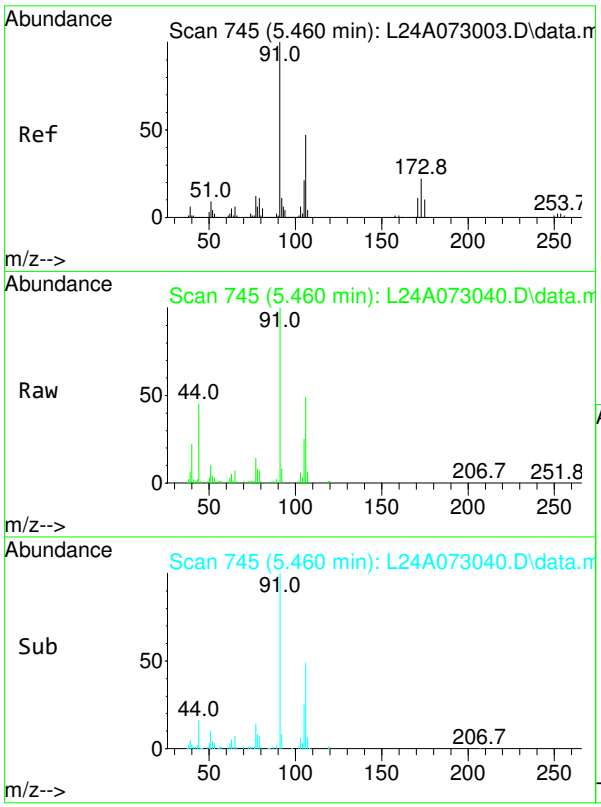


#52
ETHYLBENZENE
Concen: 0.13 PPBV
RT: 5.386 min Scan# 731
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 11239

Ion	Ratio	Lower	Upper
91	100		
106	33.6	10.1	50.1

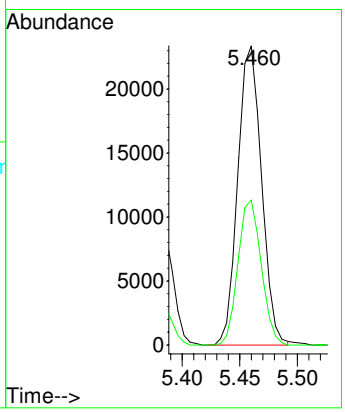


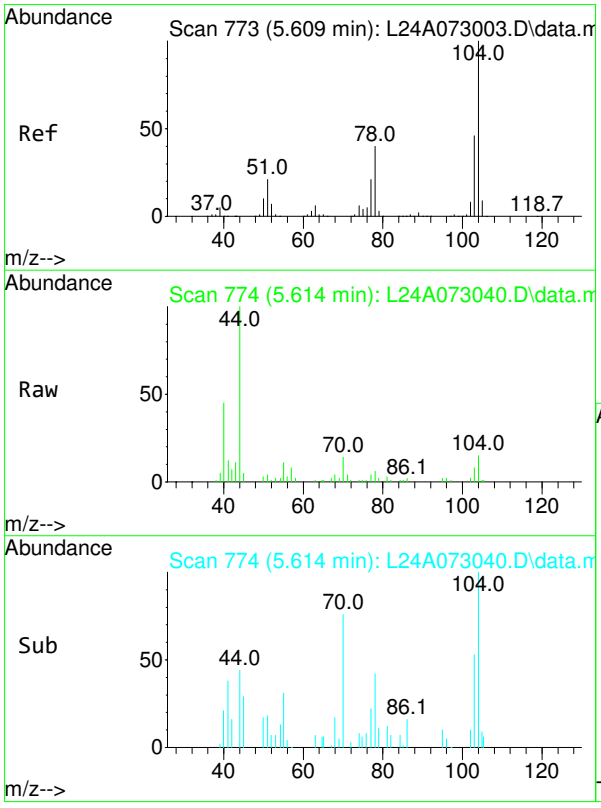


#53
M/P-XYLENE
Concen: 0.48 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 33279

Ion	Ratio	Lower	Upper
91	100		
106	47.4	24.9	64.9

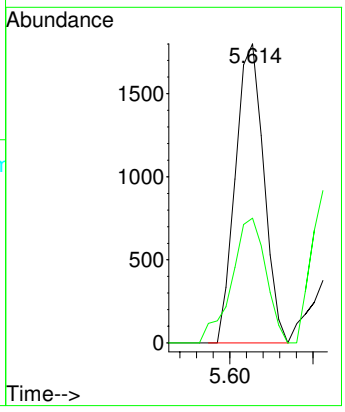


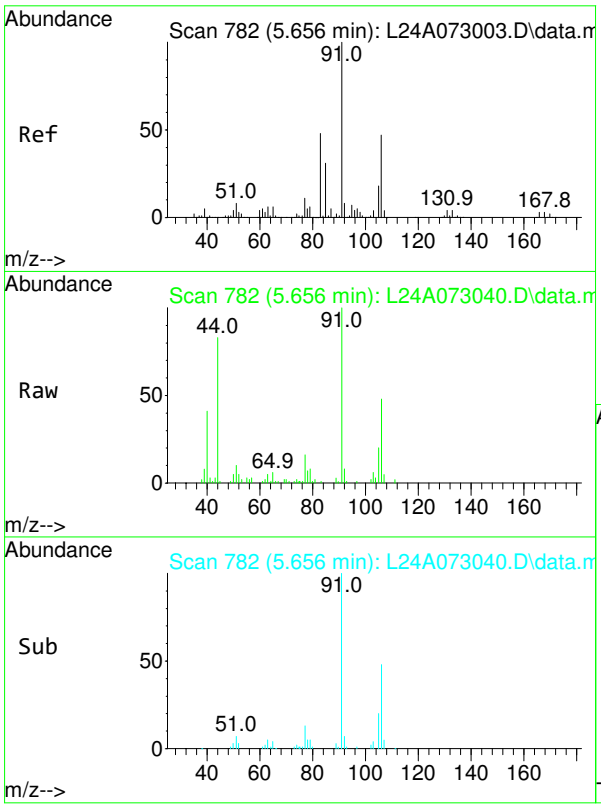


#55
STYRENE
Concen: 0.04 PPBV
RT: 5.614 min Scan# 774
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:104 Resp: 2135

Ion	Ratio	Lower	Upper
104	100		
78	50.4	24.7	64.7

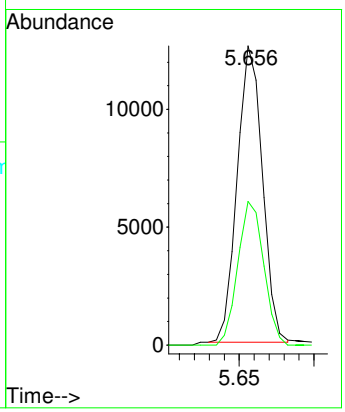


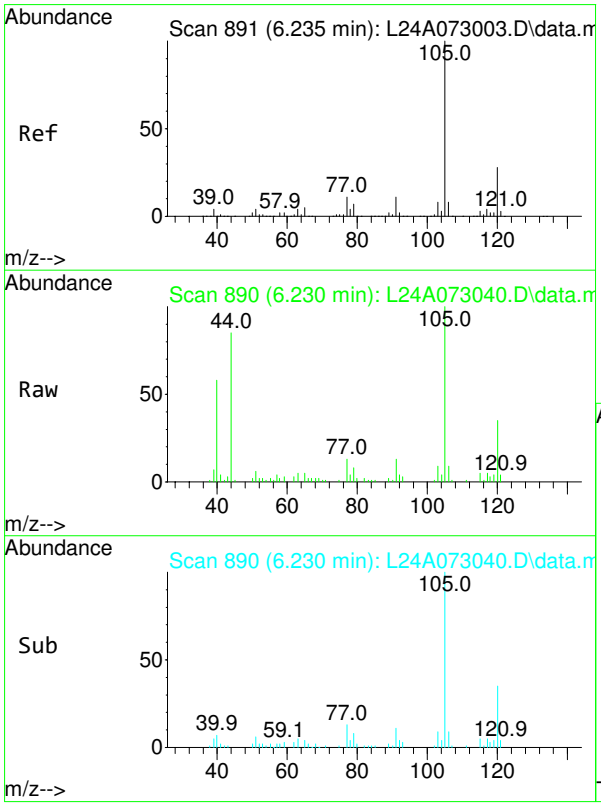


#56
O-XYLENE
Concen: 0.22 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 14665

Ion	Ratio	Lower	Upper
91	100		
106	49.7	25.4	65.4

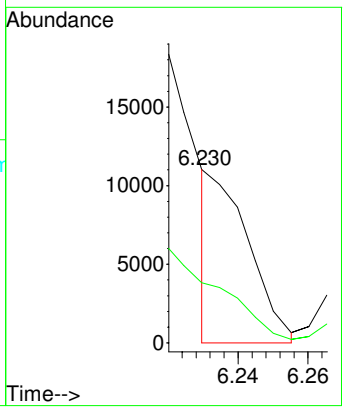


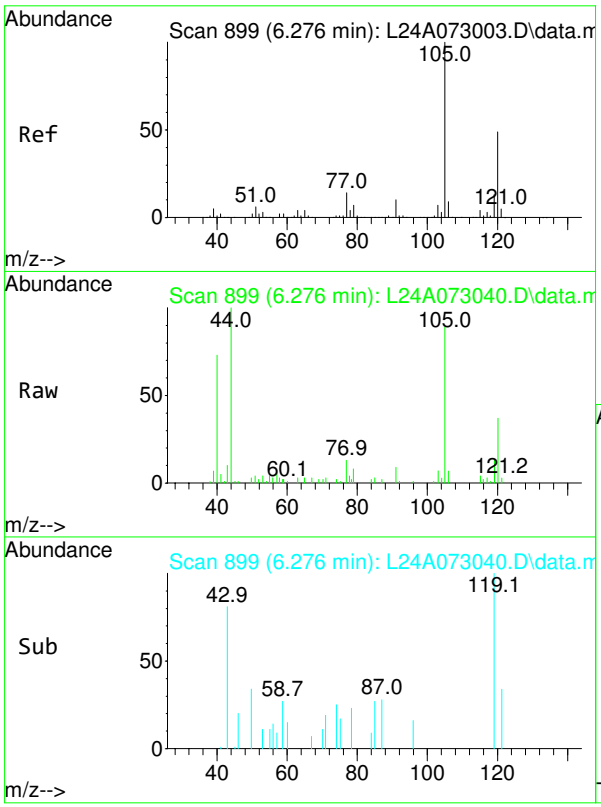


#59
4-ETHYLTOLUENE
Concen: 0.09 PPBV m
RT: 6.230 min Scan# 890
Delta R.T. -0.011 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:105 Resp: 8156

Ion	Ratio	Lower	Upper
105	100		
120	131.8	8.8	48.8#

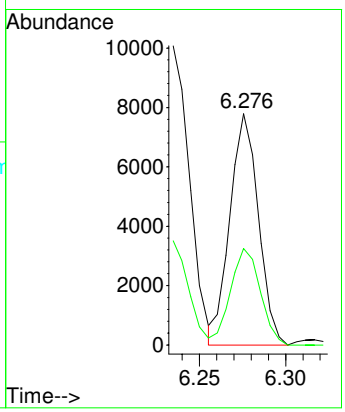


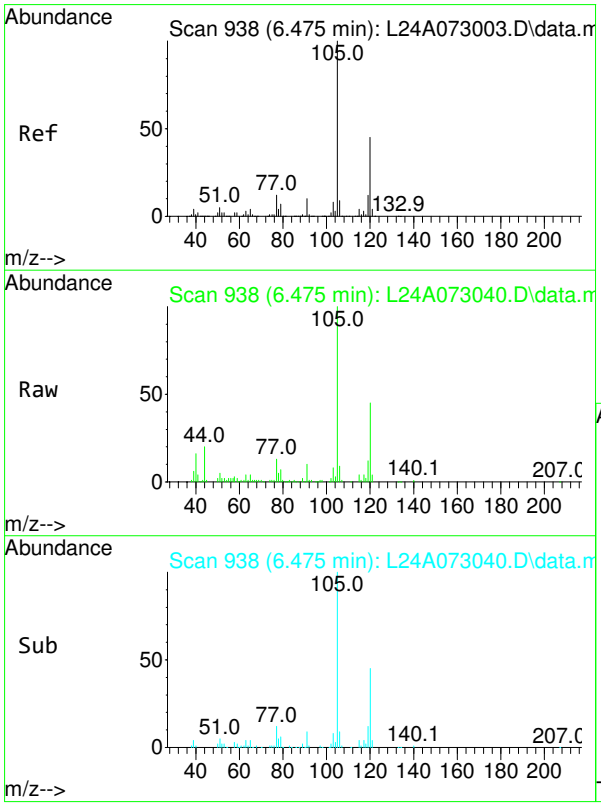


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.12 PPBV
RT: 6.276 min Scan# 899
Delta R.T. -0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:105 Resp: 8961

Ion	Ratio	Lower	Upper
105	100		
120	43.7	26.9	66.9

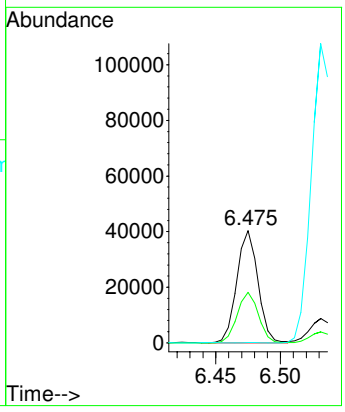


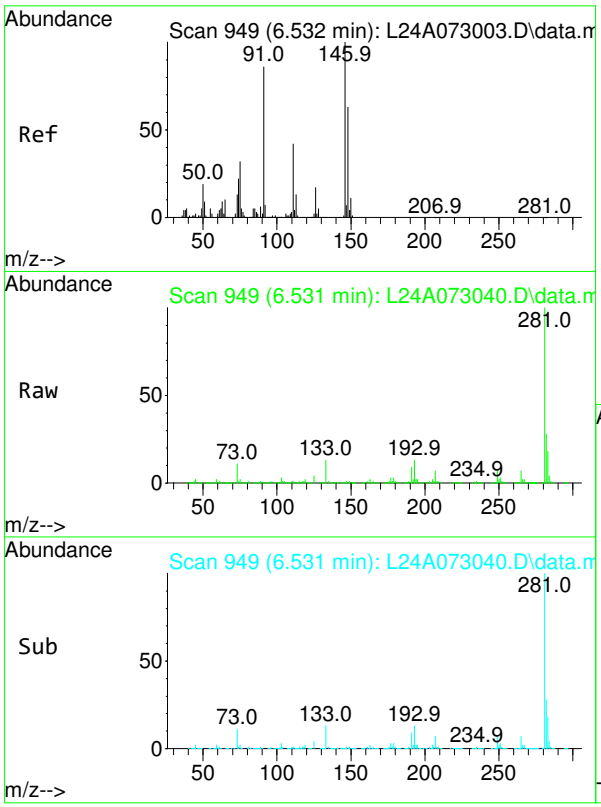


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.63 PPBV
RT: 6.475 min Scan# 938
Delta R.T. -0.008 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:105 Resp: 46037

Ion	Ratio	Lower	Upper
105	100		
120	45.0	24.0	64.0
207	0.2	0.0	20.0

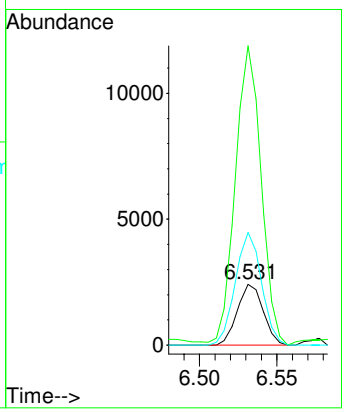


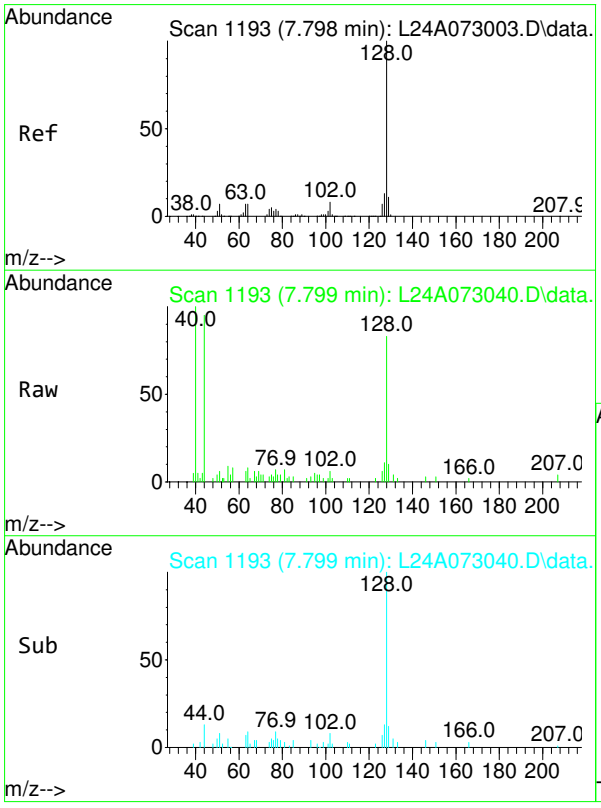


#62
1,3-DICHLOROBENZENE
Concen: 0.06 PPBV
RT: 6.531 min Scan# 949
Delta R.T. -0.009 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:146 Resp: 2800

Ion	Ratio	Lower	Upper
146	100		
111	494.4	22.8	62.8#
148	188.0	42.9	82.9#

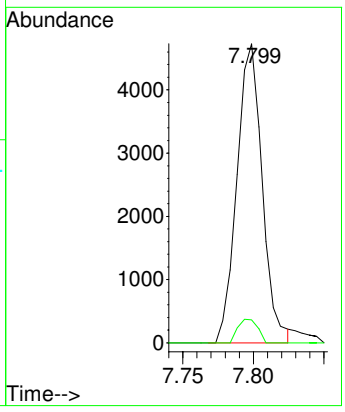


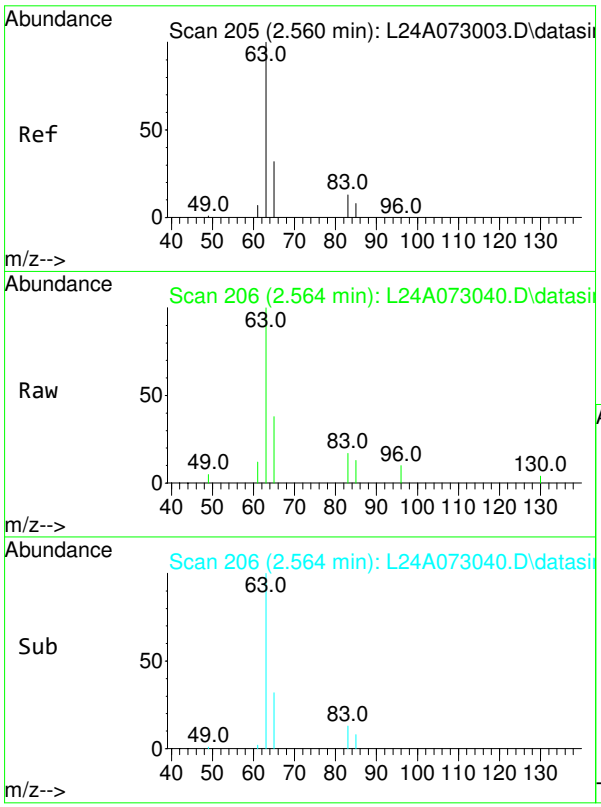


#67
NAPHTHALENE
Concen: 0.09 PPBV
RT: 7.799 min Scan# 1193
Delta R.T. -0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:128 Resp: 5914

Ion	Ratio	Lower	Upper
128	100		
102	6.2	0.0	29.2

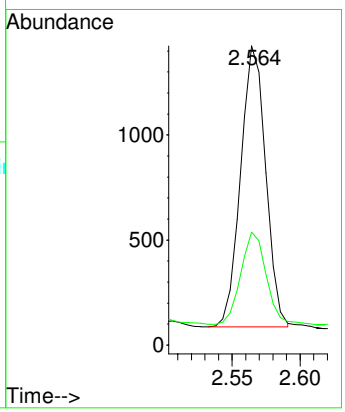


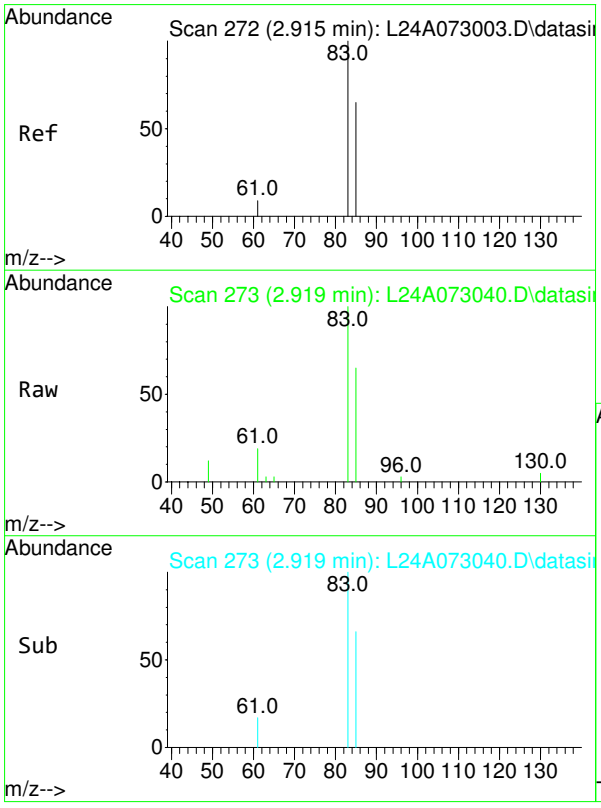


#73
1,1-DICHLOROETHANE (SIM)
Concen: 0.05 PPBV
RT: 2.564 min Scan# 206
Delta R.T. 0.005 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 63 Resp: 1716

Ion	Ratio	Lower	Upper
63	100		
65	32.9	11.5	51.5

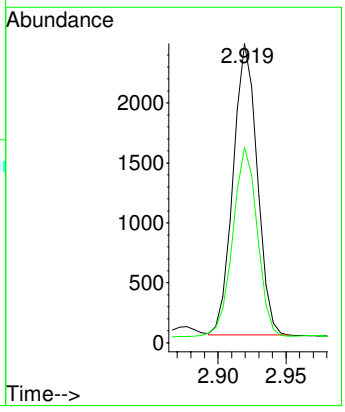


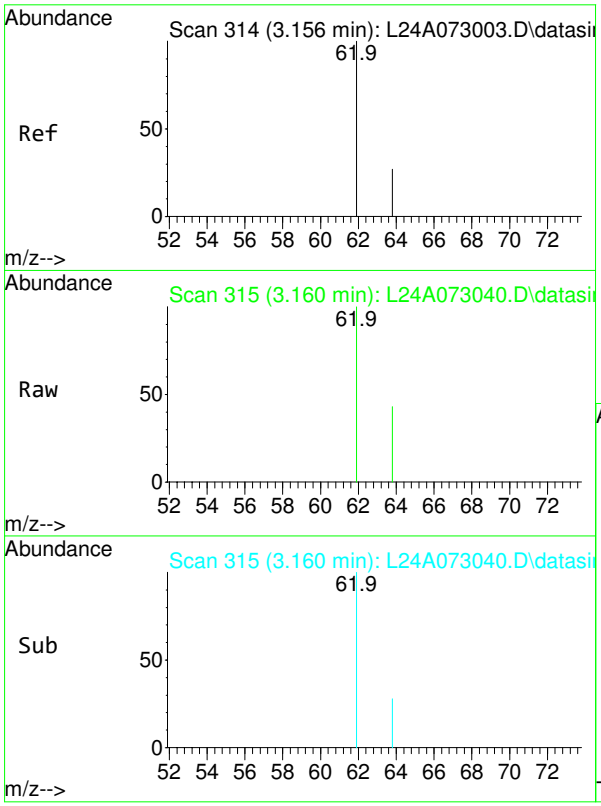


#75
CHLOROFORM (SIM)
Concen: 0.08 PPBV
RT: 2.919 min Scan# 273
Delta R.T. 0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 83 Resp: 2991

Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.0	85.0

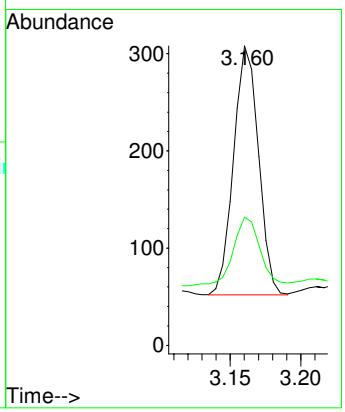


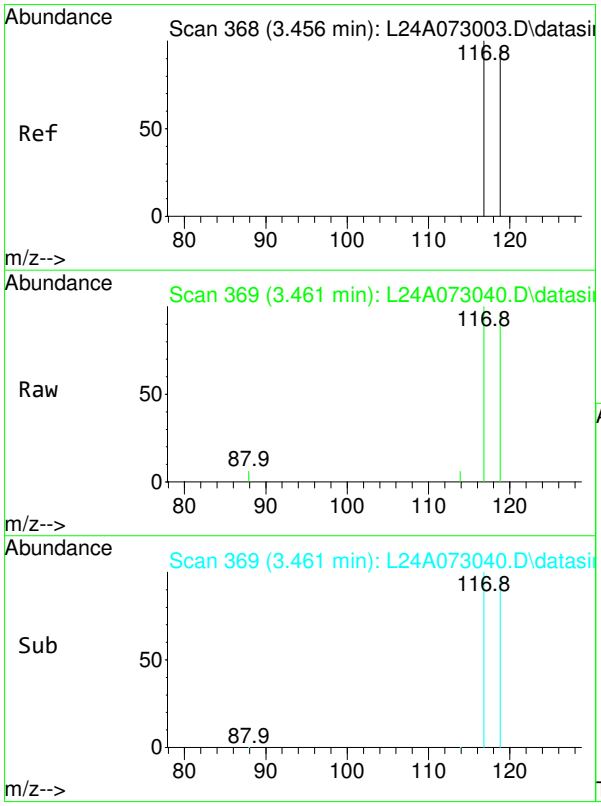


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 3.160 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 62 Resp: 315

Ion	Ratio	Lower	Upper
62	100		
64	0.0	7.0	47.0#

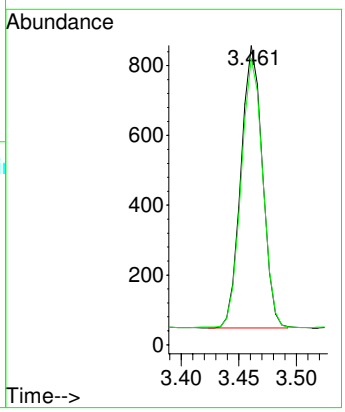


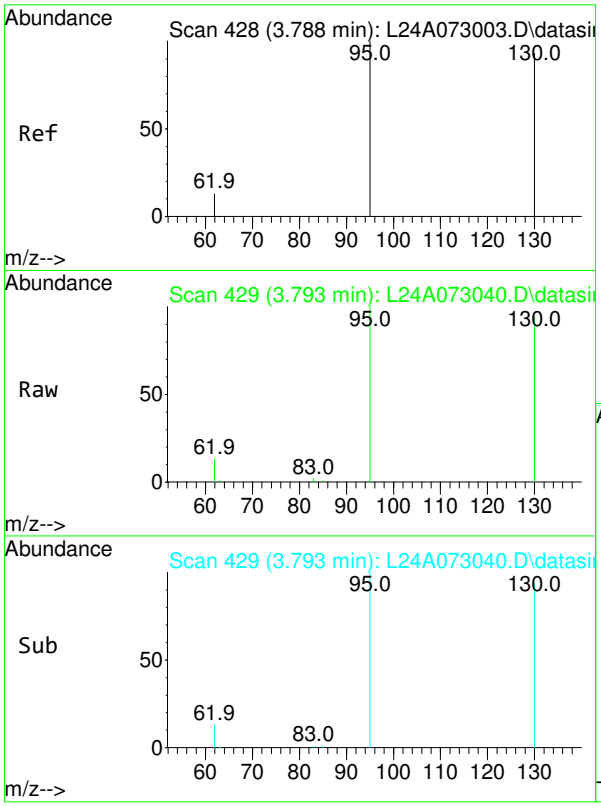


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:117 Resp: 1042

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	116.3

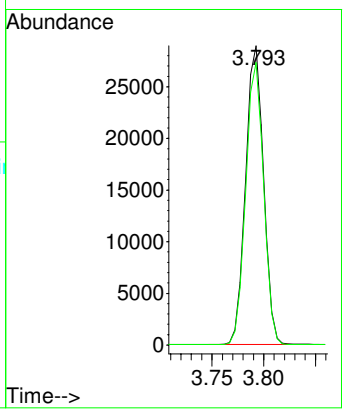




#81
TRICHLOROETHENE (SIM)
Concen: 1.31 PPBV
RT: 3.793 min Scan# 429
Delta R.T. 0.003 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 95 Resp: 34899

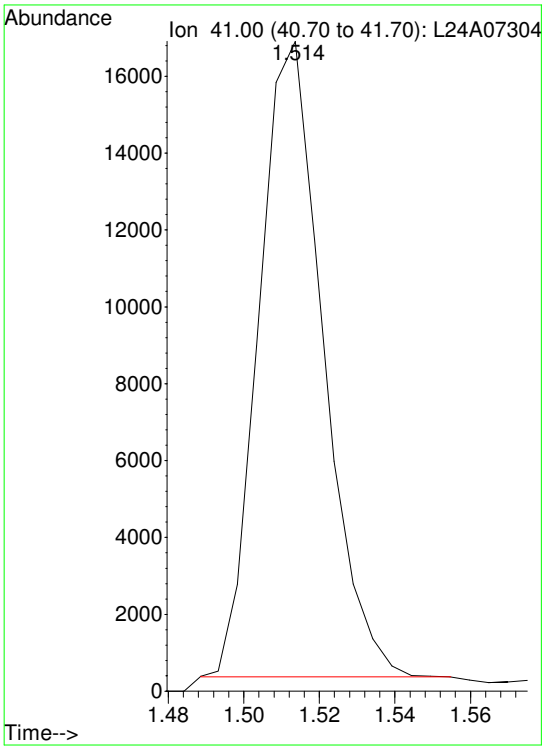
Ion	Ratio	Lower	Upper
95	100		
130	94.0	74.5	114.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

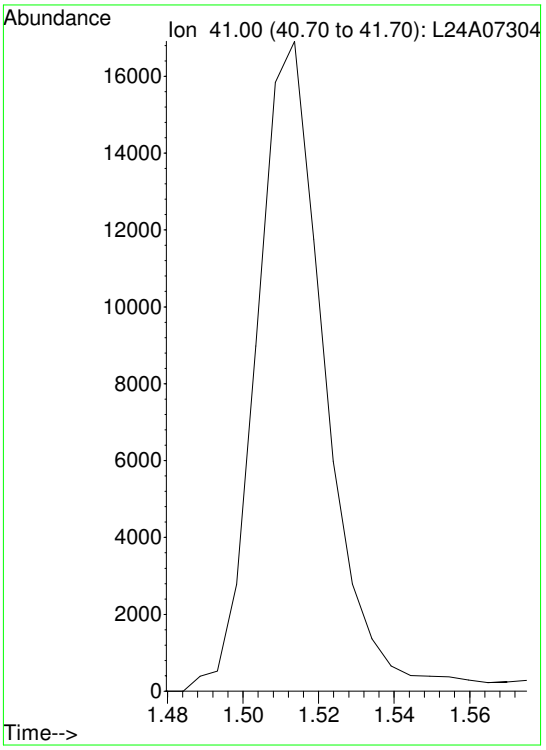
RT : 1.51
Area : 19443
Amount: 1.85485

Manual Int. Results

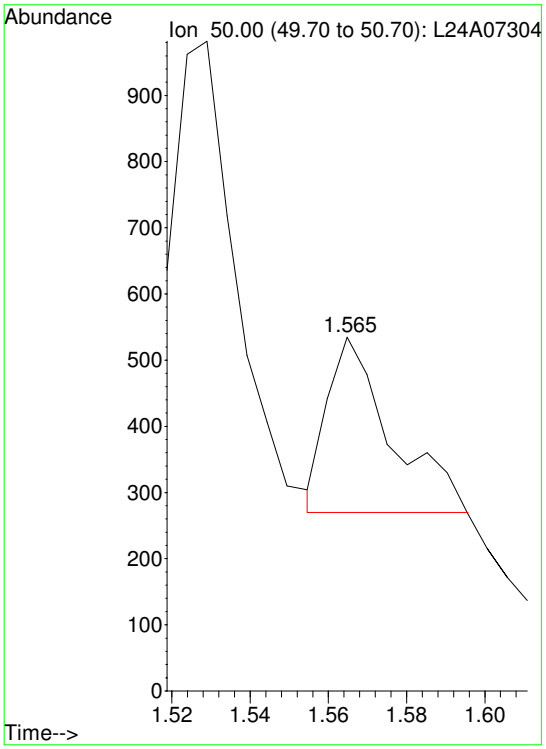
Fri Mar 15 11:27:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

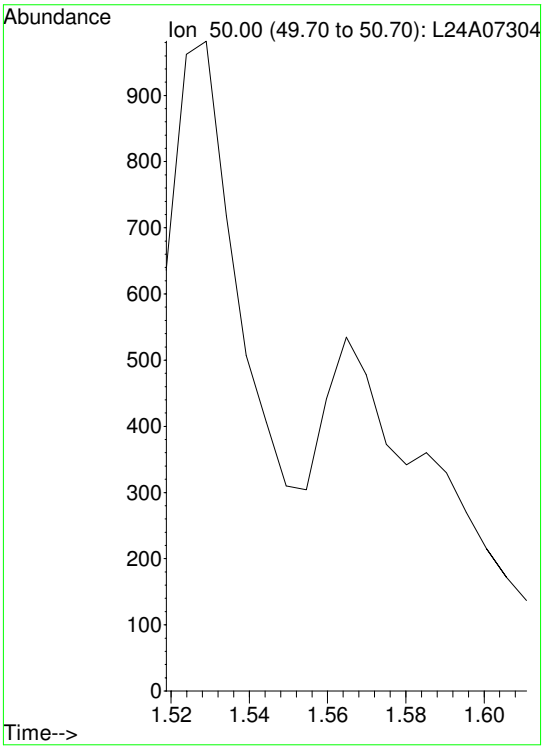
RT : 1.56
Area : 298
Amount: 0.018988

Manual Int. Results

Fri Mar 15 11:27:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

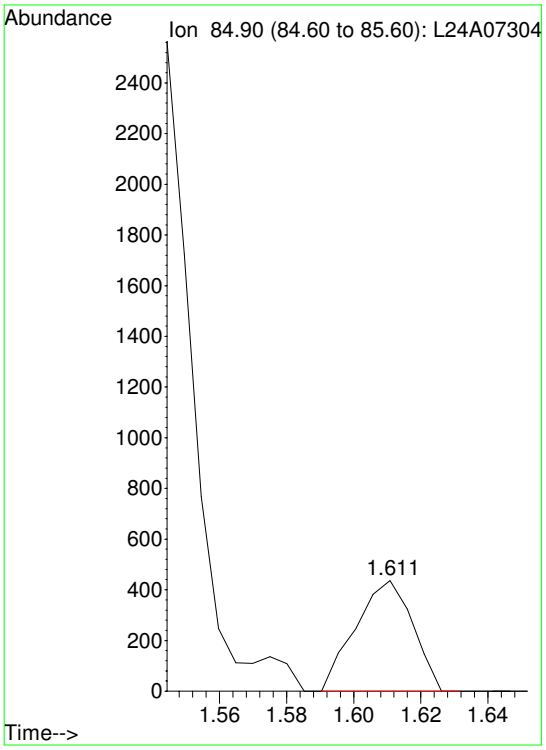
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

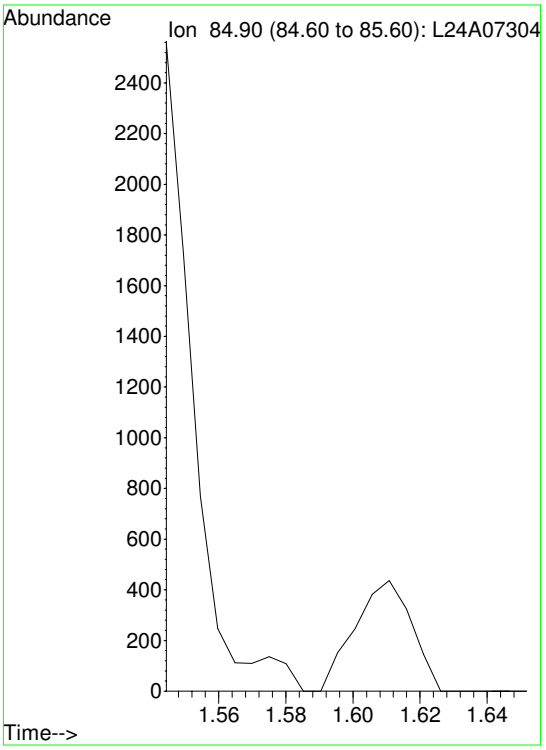
RT : 1.61
Area : 518
Amount: 0.0112841

Manual Int. Results

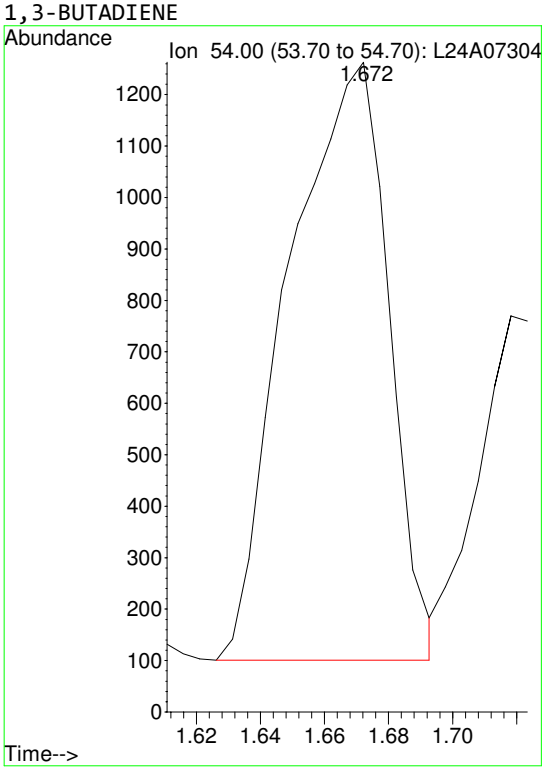
Fri Mar 15 11:28:03 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

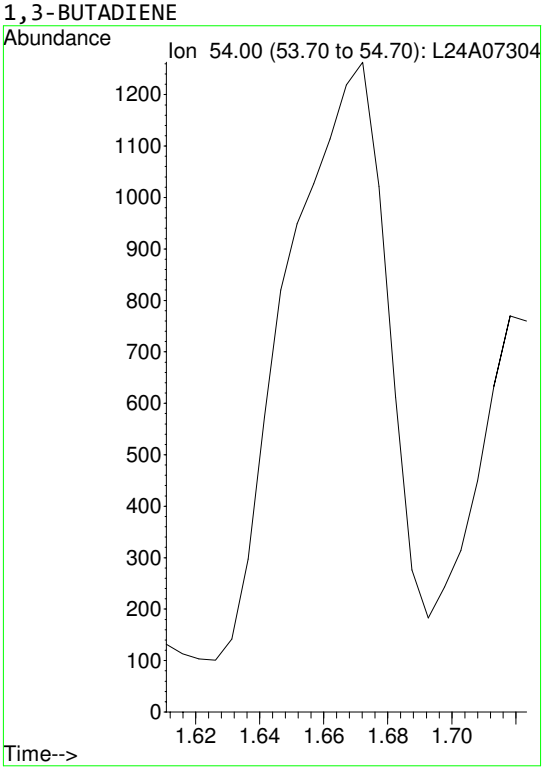
RT : 1.67
Area : 2511
Amount: 0.177123

Manual Int. Results

Fri Mar 15 11:28:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

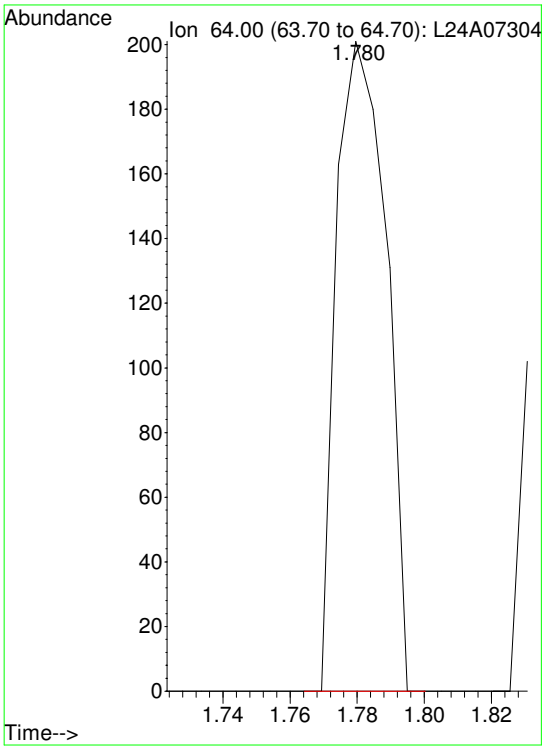
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

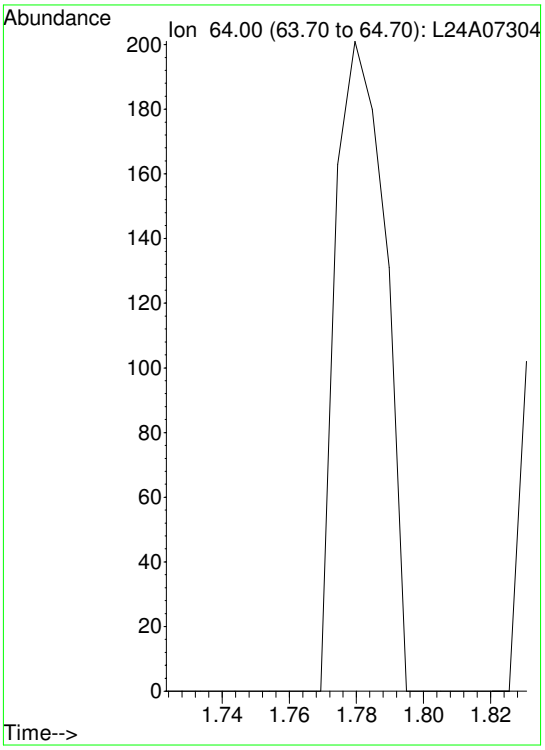
RT : 1.78
Area : 207
Amount: 0.0195449

Manual Int. Results

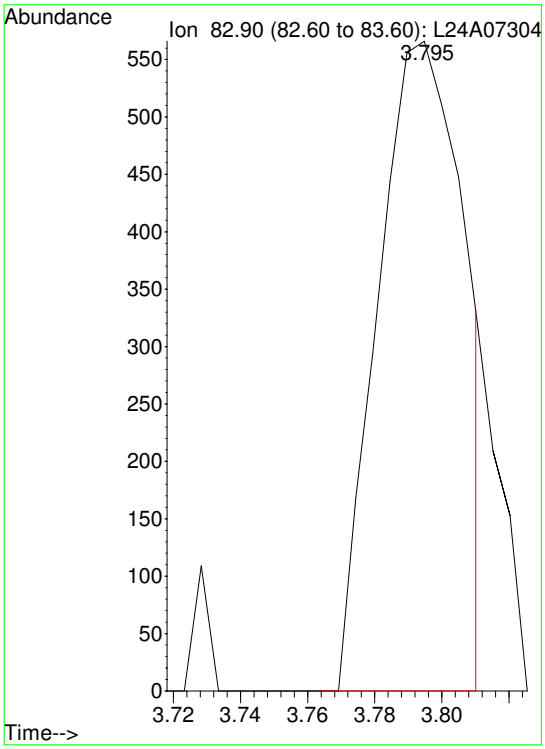
Fri Mar 15 11:28:11 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

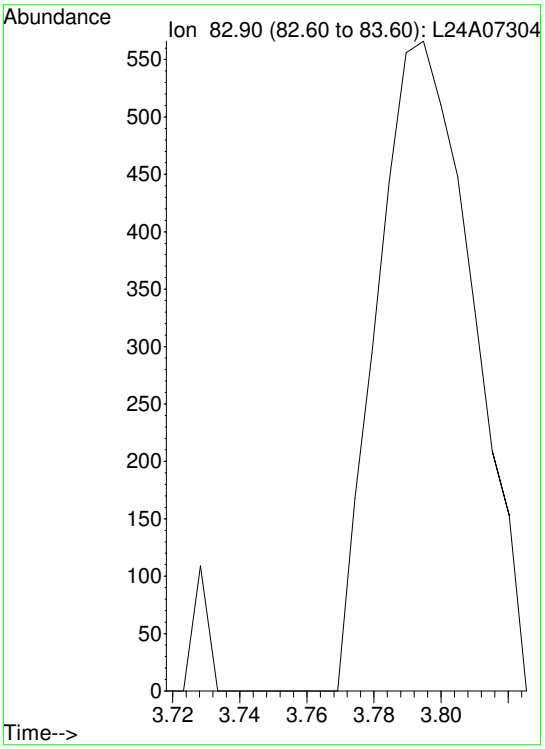
RT : 3.79
Area : 1018
Amount: 0.024033

Manual Int. Results

Fri Mar 15 11:28:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

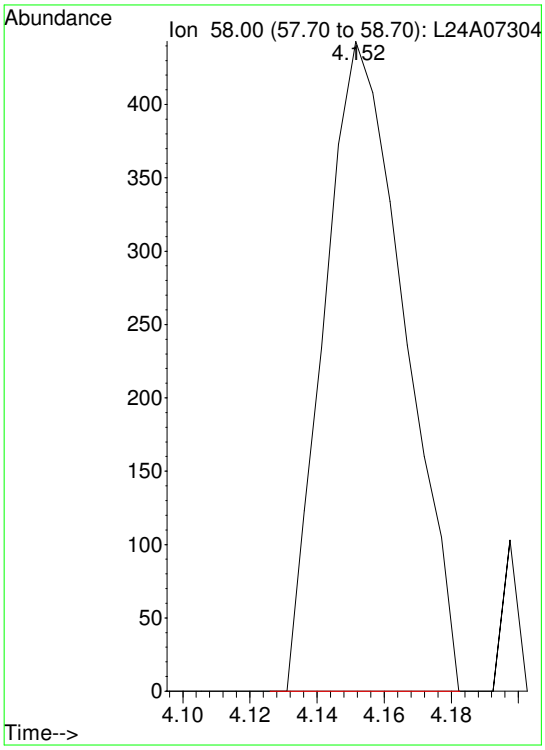
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

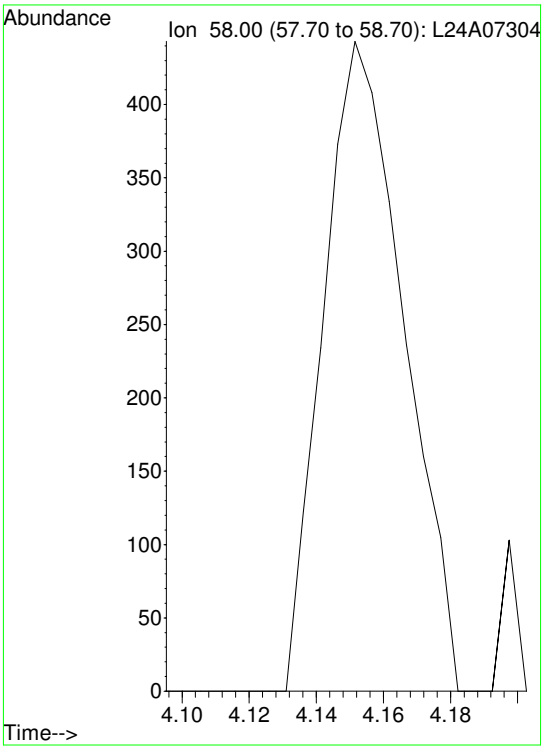
RT : 4.15
Area : 741
Amount: 0.0403365

Manual Int. Results

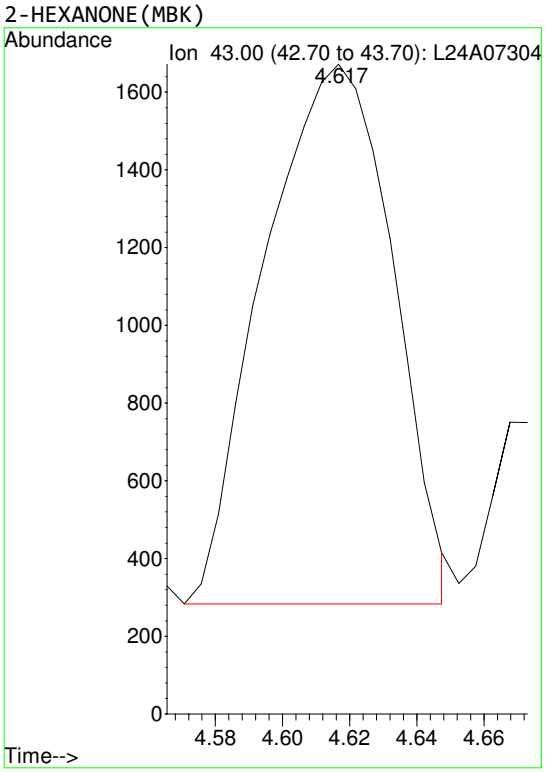
Fri Mar 15 11:28:56 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

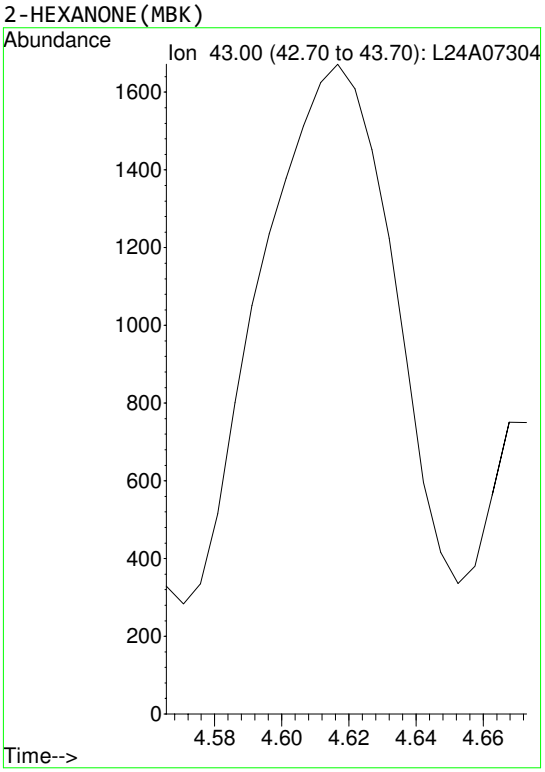
RT : 4.62
Area : 3710
Amount: 0.0867312

Manual Int. Results

Fri Mar 15 11:29:02 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

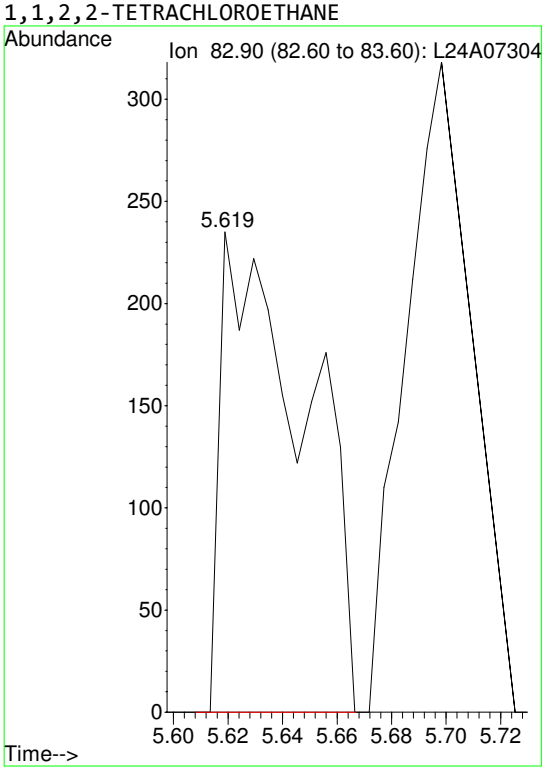
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

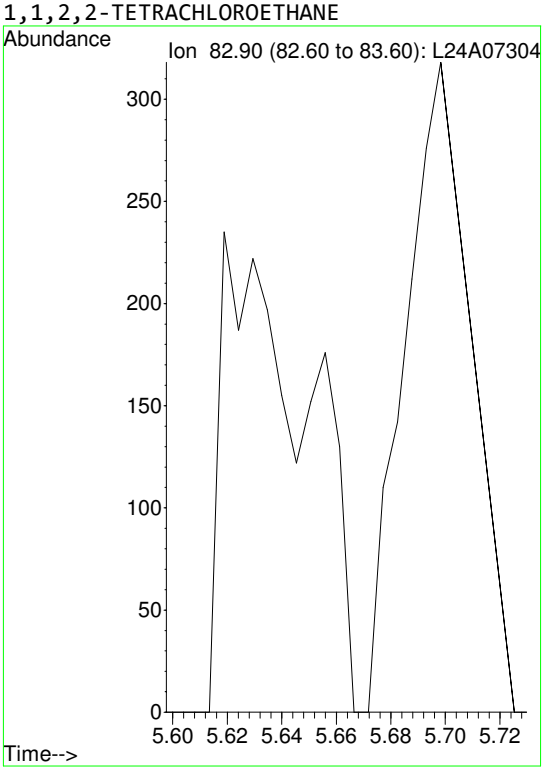
RT : 5.62
Area : 501
Amount: 0.010266

Manual Int. Results

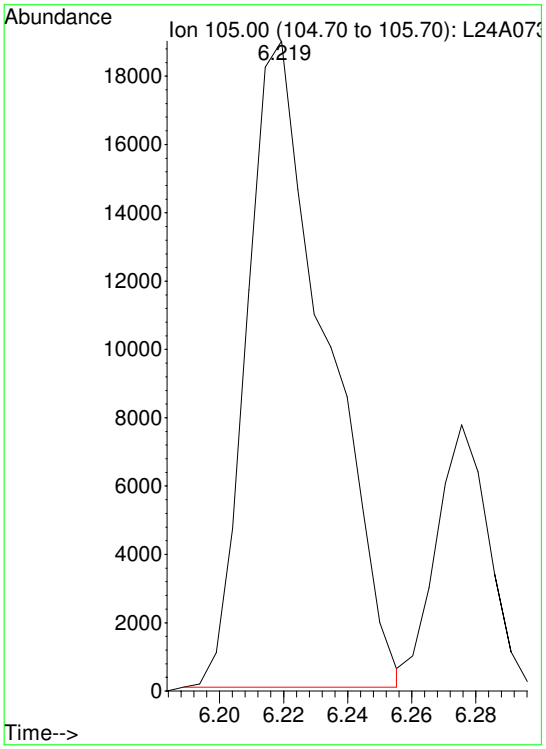
Fri Mar 15 11:29:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

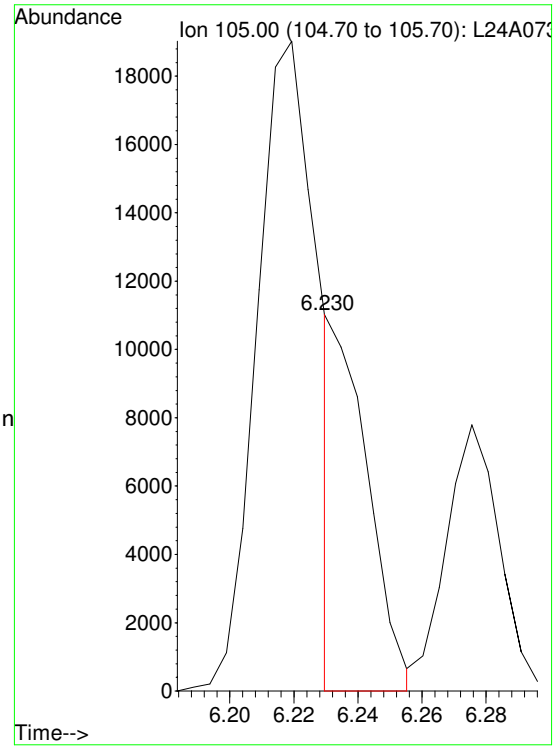
RT : 6.22
Area : 32504
Amount: 0.365222

Manual Int. Results

Fri Mar 15 11:29:14 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 8156
Amount: 0.0916426

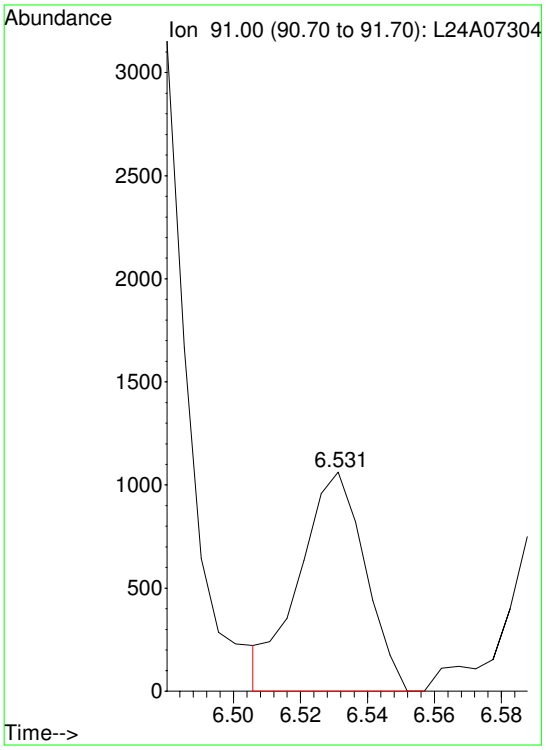
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BENZYL CHLORIDE



Original Int. Results

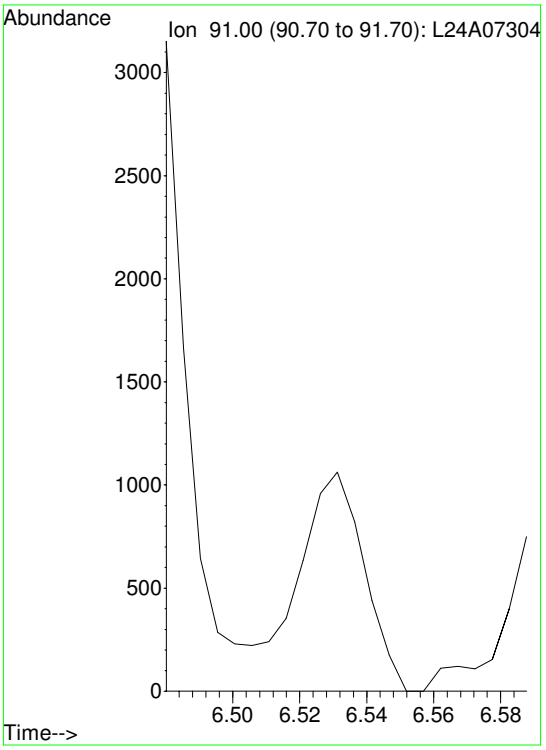
RT : 6.53
Area : 1442
Amount: 0.0309943

Manual Int. Results

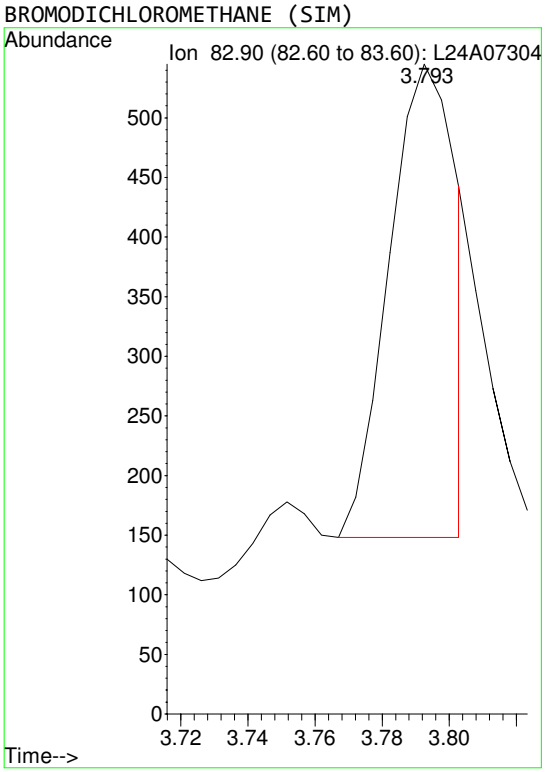
Fri Mar 15 11:29:21 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

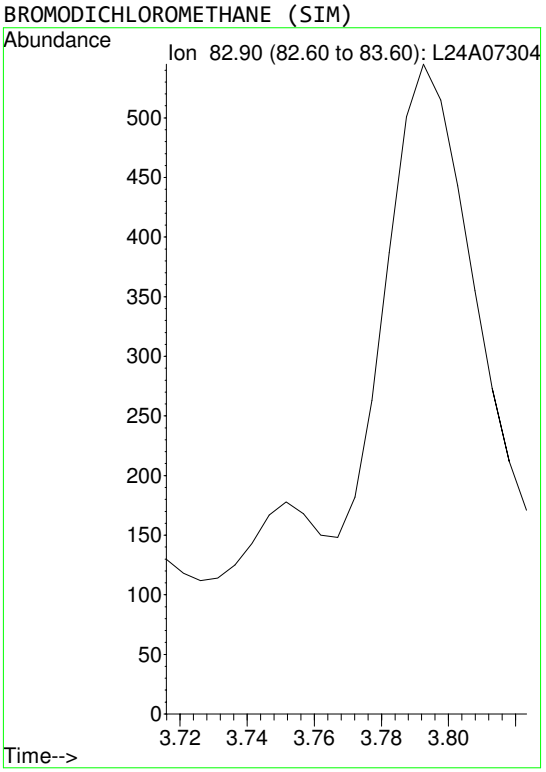
RT : 3.79
Area : 552
Amount: 0.0121289

Manual Int. Results

Fri Mar 15 11:29:33 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-03	File ID:	L24A073039.D
Sampled:	02/28/24 19:32	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:23
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	13	2.0	4.0	
71-43-2	Benzene	0.090	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	0.77	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene	0.054	0.048	0.10	J
75-71-8	Dichlorodifluoromethane (Freon 12)	0.42	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-03	File ID:	L24A073039.D
Sampled:	02/28/24 19:32	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:23
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	110	2.7	4.0	E
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.080	0.063	0.10	J
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)	0.10	0.043	0.10	
67-63-0	Isopropanol	15	2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	1.0	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.13	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	1.1	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	1.4	0.041	0.40	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.096	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate	0.56	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-03	File ID:	L24A073039.D
Sampled:	02/28/24 19:32	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:23
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
				Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073039.D Vial: 34
Acq On : 14 Mar 2024 05:23 am Operator: CMR
Sample : 24C0251-03 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:14 2024

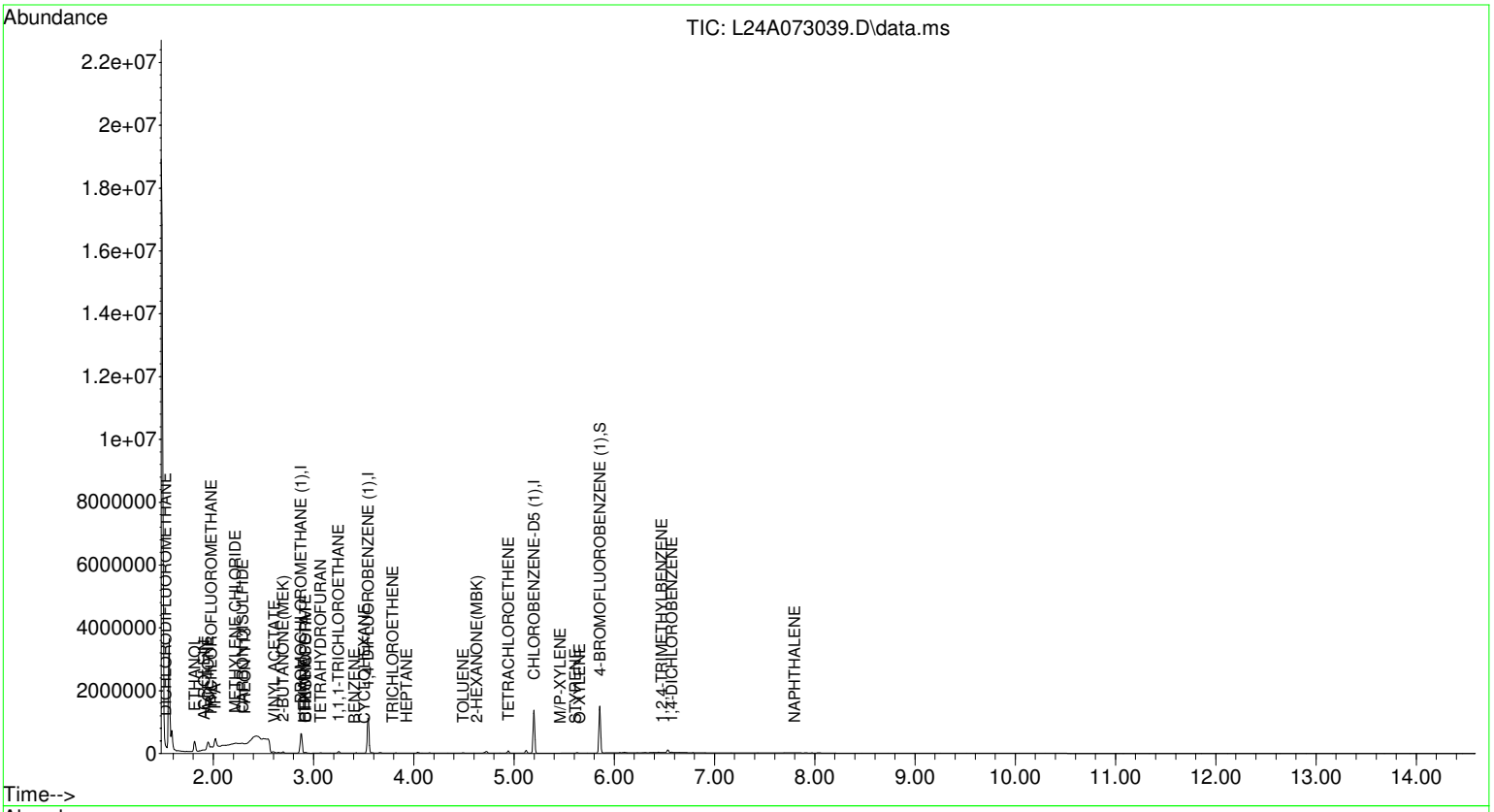
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073039.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

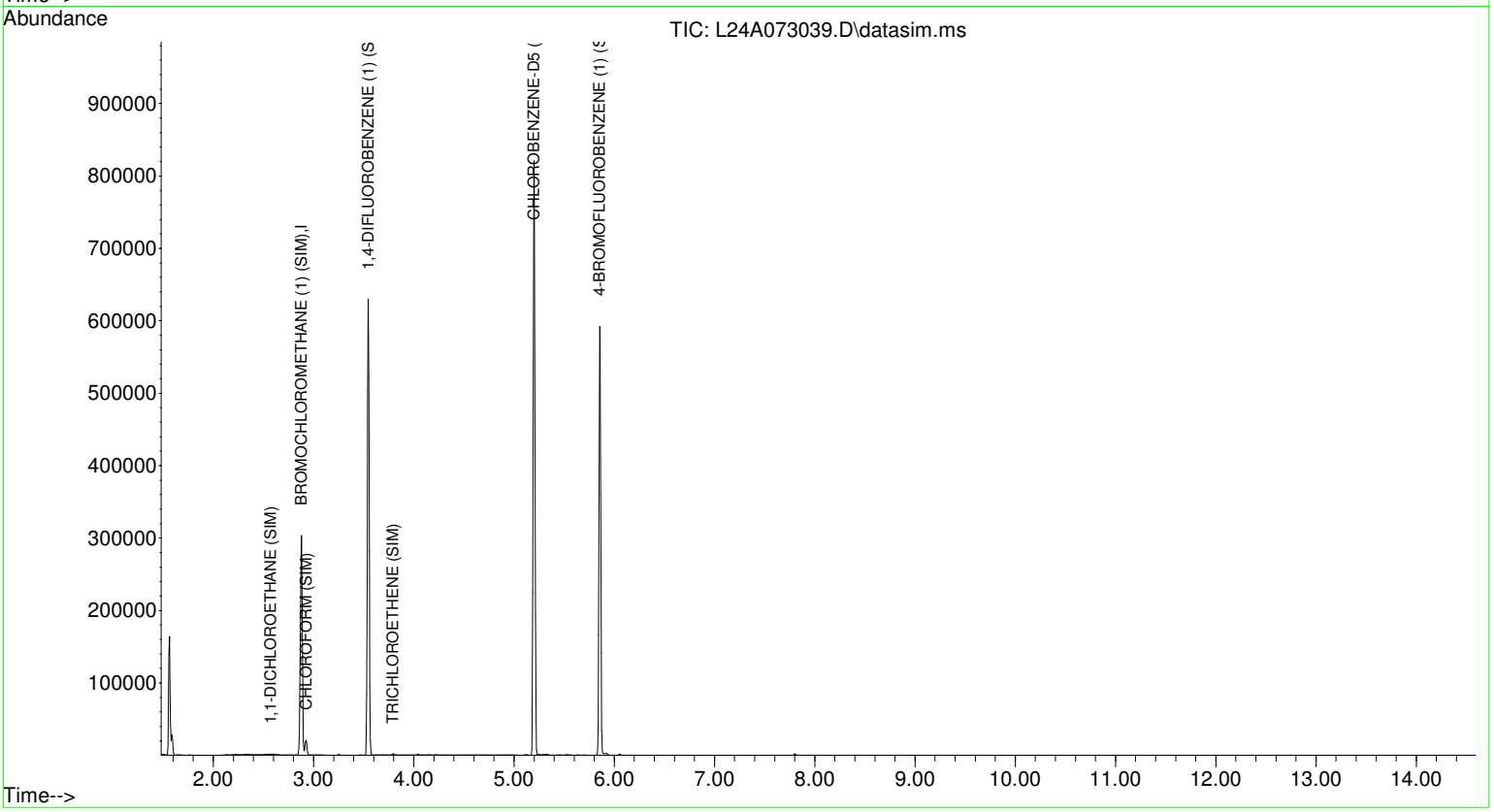
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.875	49	211262	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	631009	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	577545	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.878	49	229325	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.546	114	661971	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	633667	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	297240	7.477	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.50%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	303928	7.492	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.63%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.524	85	9862	0.211	PPBV	99
10) ACROLEIN	1.908	56	2946	0.351	PPBV	87
11) ACETONE	1.949	43	193011	6.513	PPBV	72
12) TRICHLOROFLUOROMETHANE	1.980	101	32420	0.676	PPBV	99
13) ETHANOL	1.816	45	259476	56.717	PPBV	99
15) METHYLENE CHLORIDE	2.218	49	909	0.039	PPBV #	74
16) FREON 113	2.313	101	1812	0.048	PPBV	99
17) CARBON DISULFIDE	2.292	76	2026	0.037	PPBV	69
21) IPA	2.021	45	235021	7.538	PPBV	97
22) 2-BUTANONE(MEK)	2.695	43	30707	0.842	PPBV	91
24) VINYL ACETATE	2.610	43	10822	0.280	PPBV	76
25) HEXANE	2.907	41	1346	0.068	PPBV	82
26) ETHYL ACETATE	2.917	45	681	0.108	PPBV #	42
27) CHLOROFORM	2.923	83	14708	0.387	PPBV	96
28) TETRAHYDROFURAN	3.071	42	3904	0.162	PPBV #	23
31) 1,1,1-TRICHLOROETHANE	3.250	97	21414	0.535	PPBV	98
32) BENZENE	3.410	78	2567	0.045	PPBV	68
34) CYCLOHEXANE	3.506	84	275	0.012	PPBV #	30
37) TRICHLOROETHENE	3.790	95	958	0.036	PPBV	94
40) HEPTANE	3.928	57	721	0.040	PPBV	83
46) TOLUENE	4.494	91	4339	0.064	PPBV	91
47) 2-HEXANONE(MBK)	4.627	43	2179	0.050	PPBV	90
50) TETRACHLOROETHENE	4.944	166	15414	0.511	PPBV	96
53) M/P-XYLENE	5.460	91	1375	0.020	PPBV	92
55) STYRENE	5.613	104	703	0.015	PPBV #	60
56) O-XYLENE	5.656	91	736	0.011	PPBV #	56
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	822	0.011	PPBV #	76
64) 1,4-DICHLOROBENZENE	6.572	146	1132	0.027	PPBV	91
67) NAPHTHALENE	7.797	128	2092	0.030	PPBV	89
73] 1,1-DICHLOROETHANE (SIM)	2.570	63	504	0.013	PPBV #	51
75] CHLOROFORM (SIM)	2.926	83	15630	0.386	PPBV	99
81] TRICHLOROETHENE (SIM)	3.793	95	1107	0.040	PPBV	100

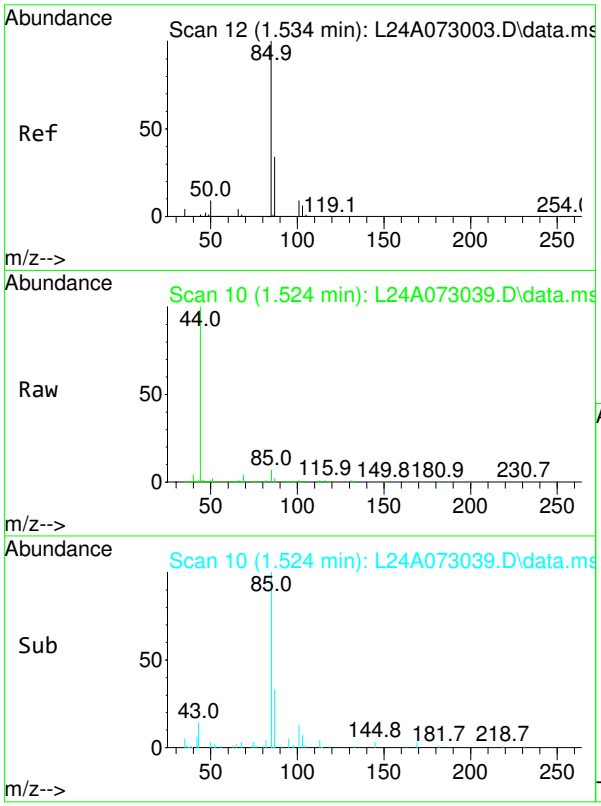
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073039.D Vial: 34
Acq On : 14 Mar 2024 05:23 am Operator: CMR
Sample : 24C0251-03 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073039.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



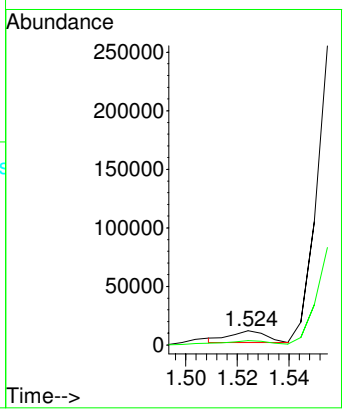


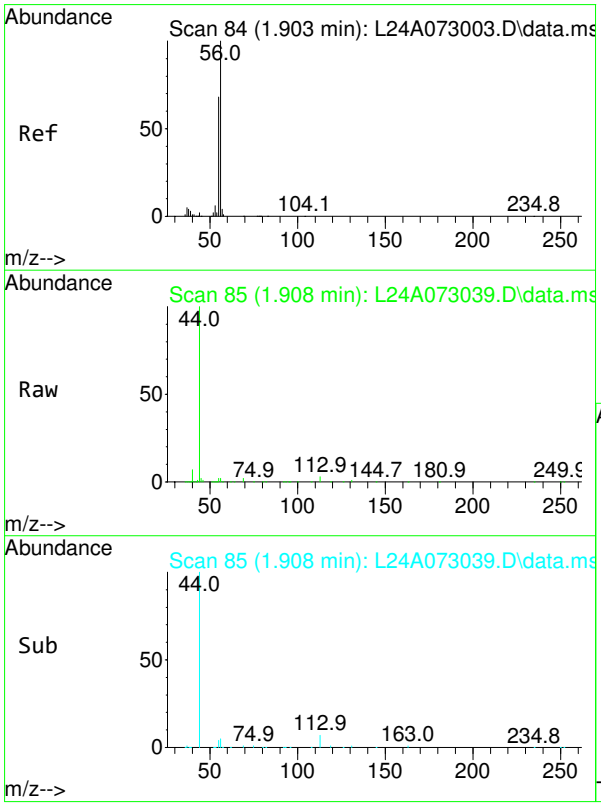


#3
DICHLORODIFLUOROMETHANE
Concen: 0.21 PPBV
RT: 1.524 min Scan# 10
Delta R.T. -0.011 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 85 Resp: 9862

Ion	Ratio	Lower	Upper
85	100		
87	31.4	12.0	52.0

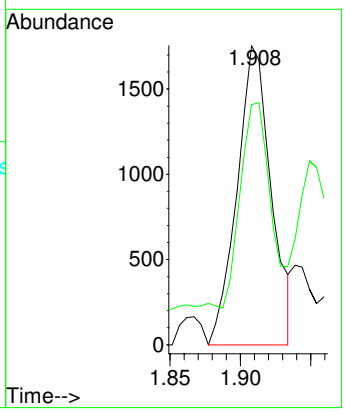


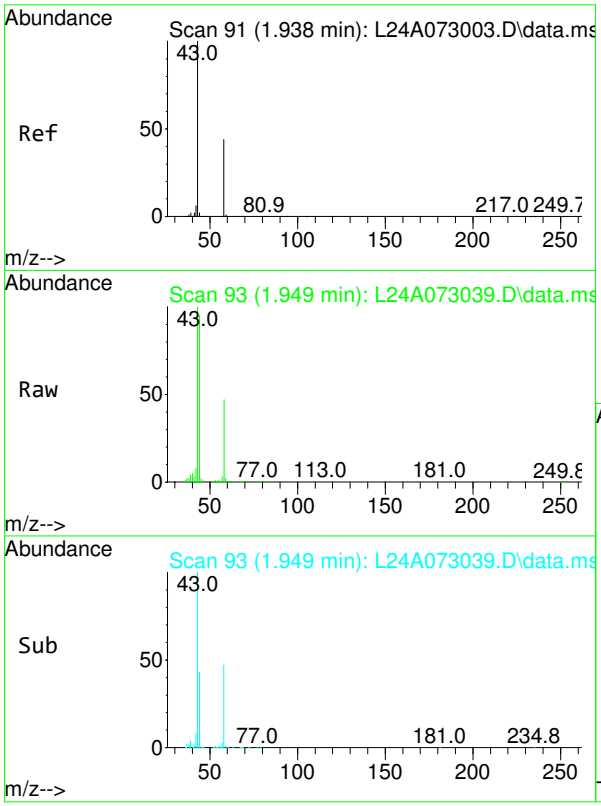


#10
ACROLEIN
Concen: 0.35 PPBV
RT: 1.908 min Scan# 85
Delta R.T. 0.005 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 56 Resp: 2946

Ion	Ratio	Lower	Upper
56	100		
55	60.4	51.4	91.4

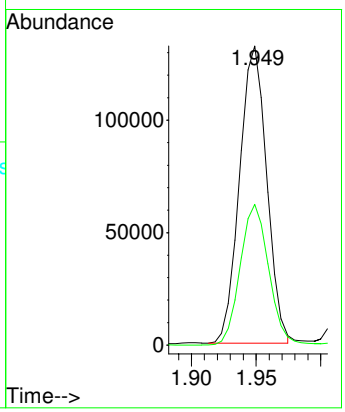


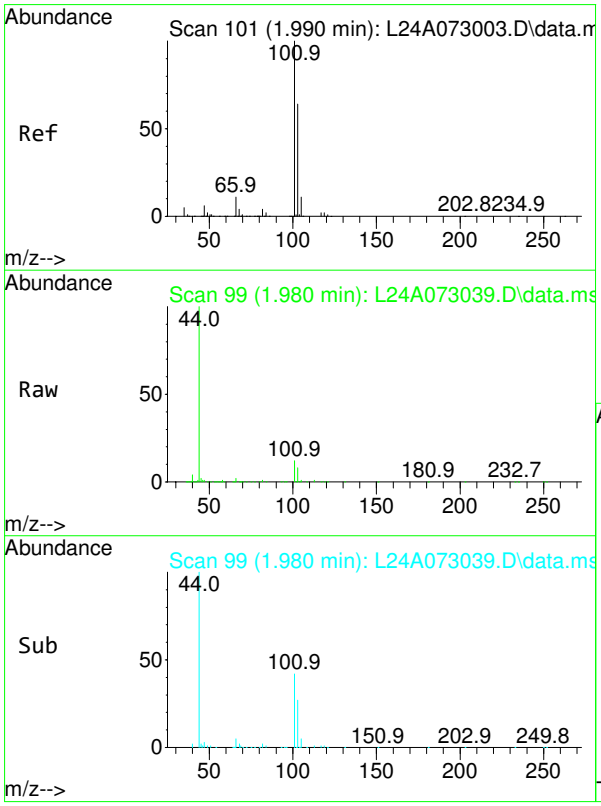


#11
ACETONE
Concen: 6.51 PPBV
RT: 1.949 min Scan# 93
Delta R.T. 0.010 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 193011

Ion	Ratio	Lower	Upper
43	100		
58	49.1	13.1	53.1

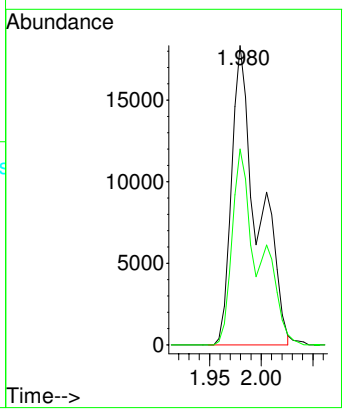


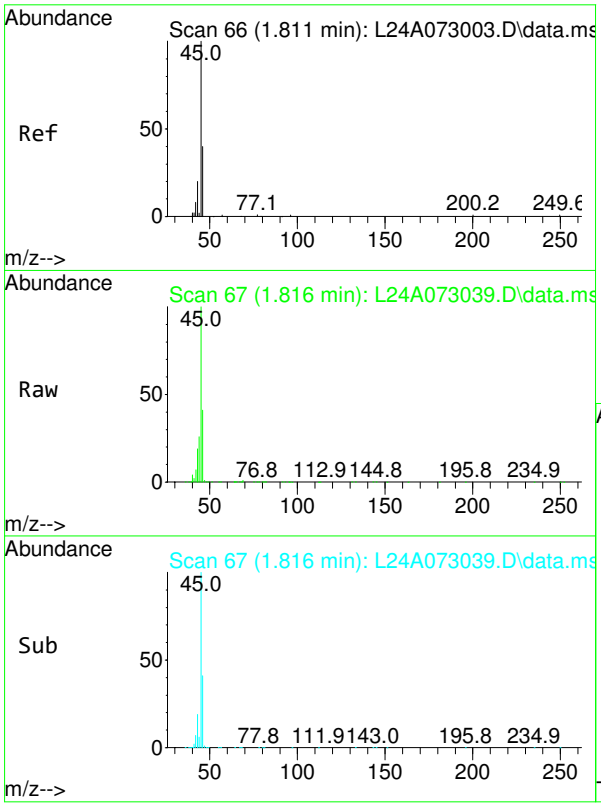


#12
TRICHLOROFLUOROMETHANE
Concen: 0.68 PPBV
RT: 1.980 min Scan# 99
Delta R.T. -0.007 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:101 Resp: 32420

Ion	Ratio	Lower	Upper
101	100		
103	65.7	44.7	84.7

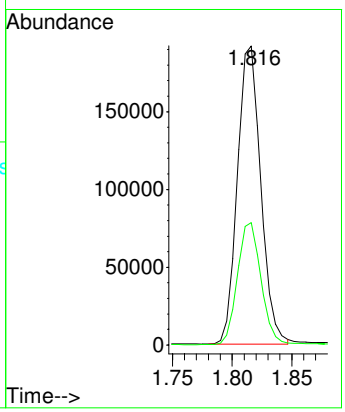


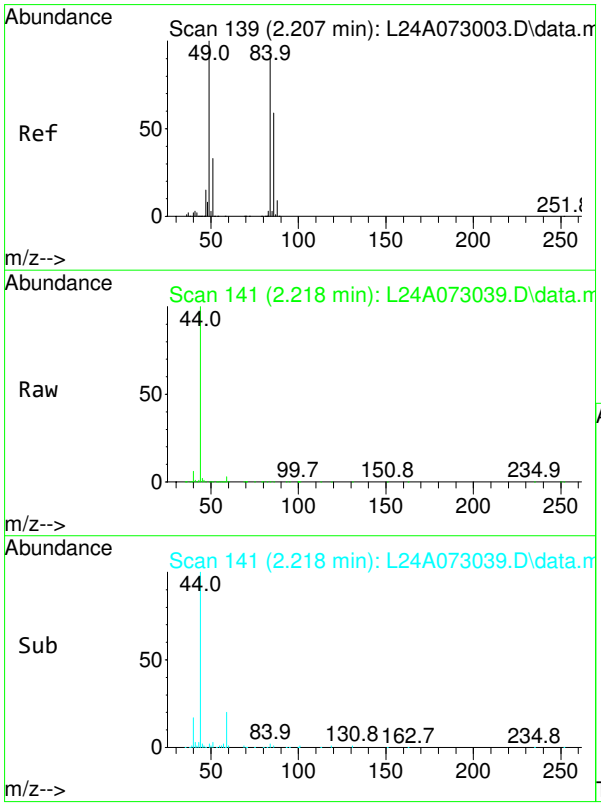


#13
ETHANOL
Concen: 56.72 PPBV
RT: 1.816 min Scan# 67
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 45 Resp: 259476

Ion	Ratio	Lower	Upper
45	100		
46	41.0	20.5	60.5

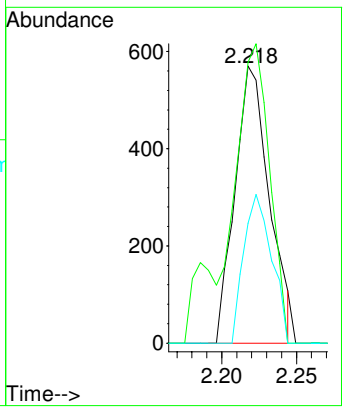


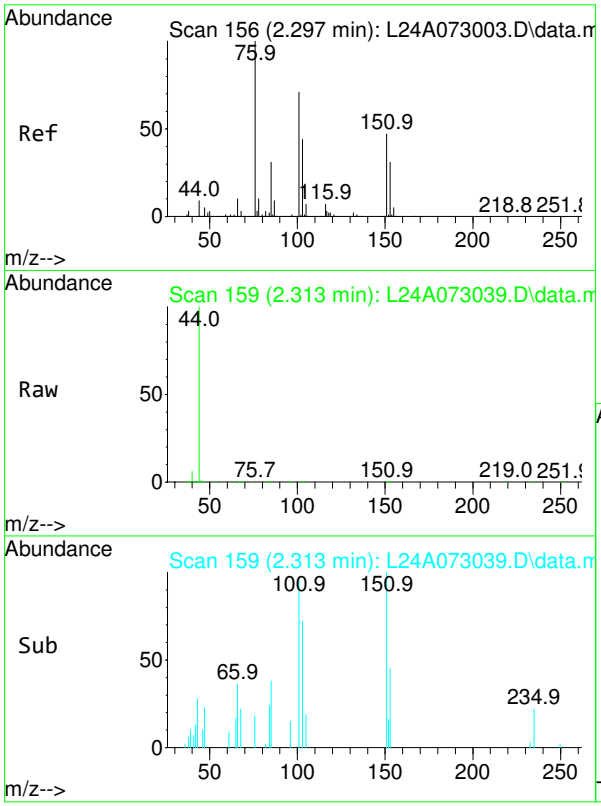


#15
METHYLENE CHLORIDE
Concen: 0.04 PPBV
RT: 2.218 min Scan# 141
Delta R.T. 0.010 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 49 Resp: 909

Ion	Ratio	Lower	Upper
49	100		
84	105.5	52.0	92.0#
86	43.6	27.3	67.3

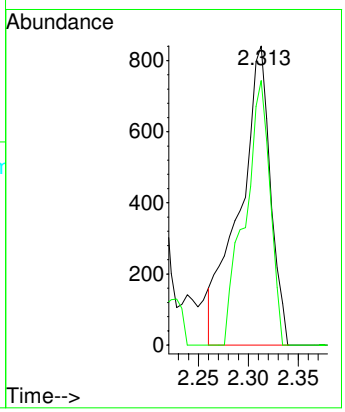


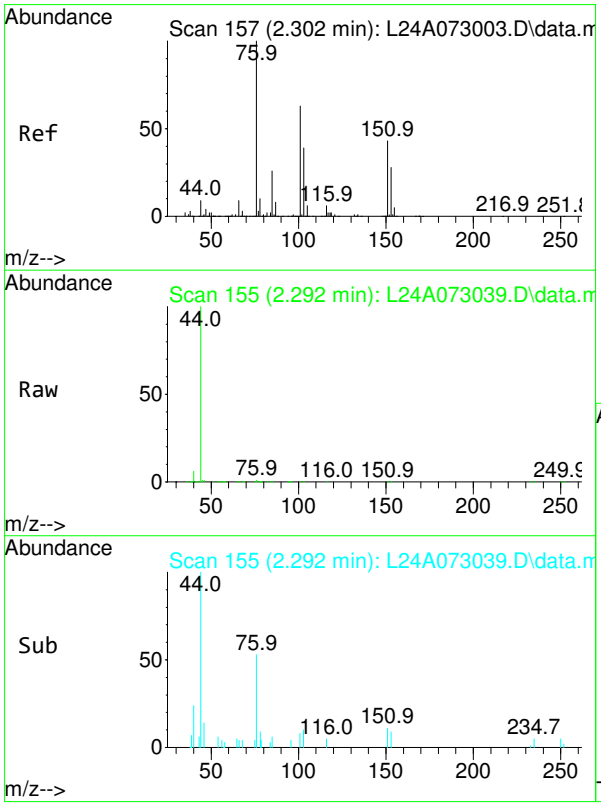


#16
FREON 113
Concen: 0.05 PPBV
RT: 2.313 min Scan# 159
Delta R.T. 0.012 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:101 Resp: 1812

Ion	Ratio	Lower	Upper
101	100		
151	71.4	52.3	92.3

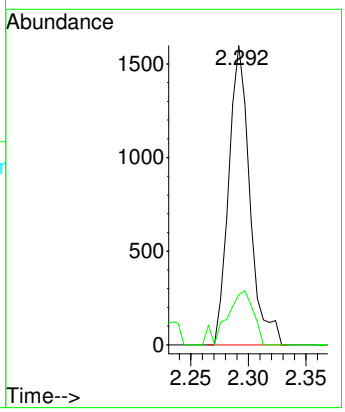


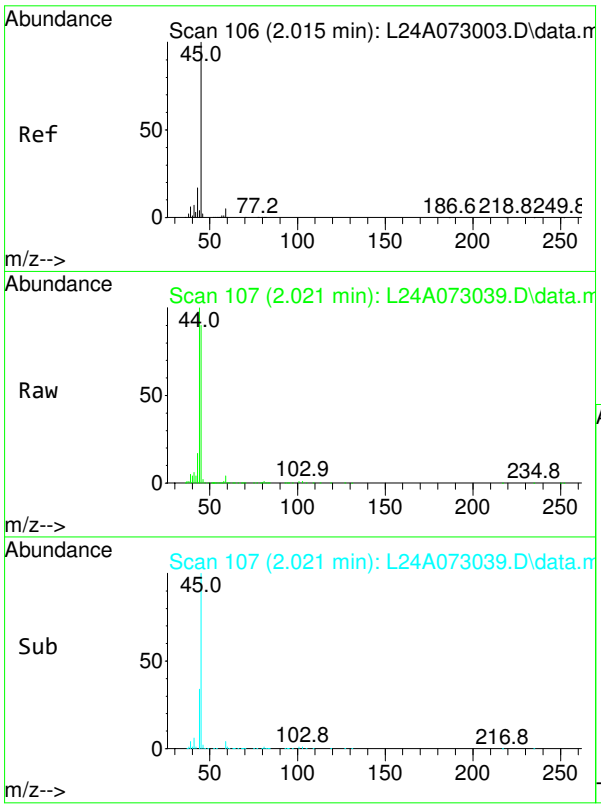


#17
CARBON DISULFIDE
Concen: 0.04 PPBV
RT: 2.292 min Scan# 155
Delta R.T. -0.009 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 76 Resp: 2026

Ion	Ratio	Lower	Upper
76	100		
78	22.9	0.0	31.1

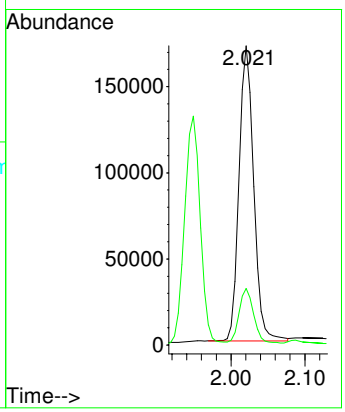


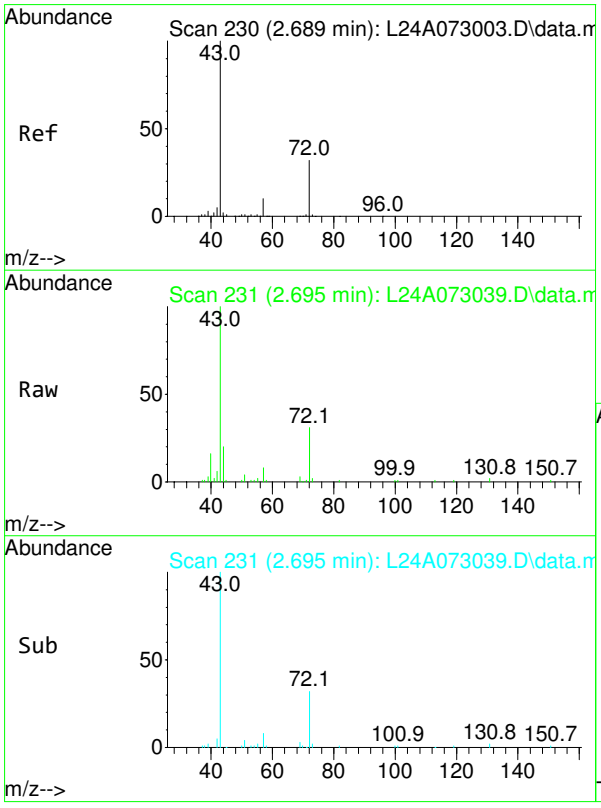


#21
IPA
Concen: 7.54 PPBV
RT: 2.021 min Scan# 107
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 45 Resp: 235021

Ion	Ratio	Lower	Upper
45	100		
43	18.1	0.0	39.3

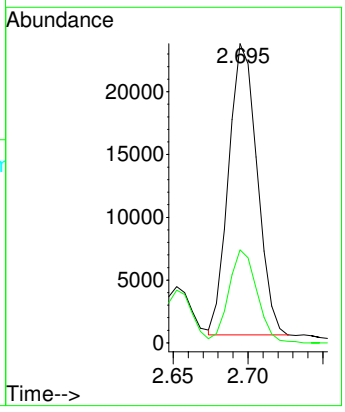


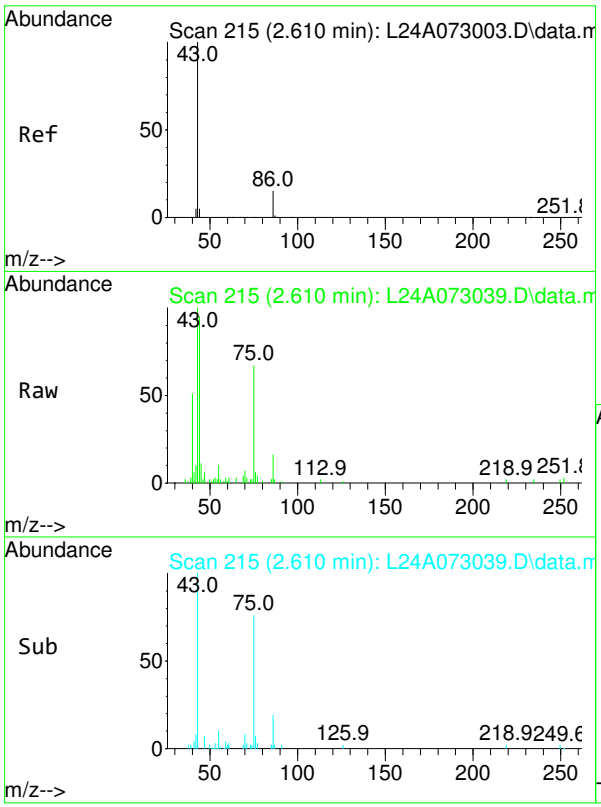


#22
2-BUTANONE(MEK)
Concen: 0.84 PPBV
RT: 2.695 min Scan# 231
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 30707

Ion	Ratio	Lower	Upper
43	100		
72	30.2	5.6	45.6

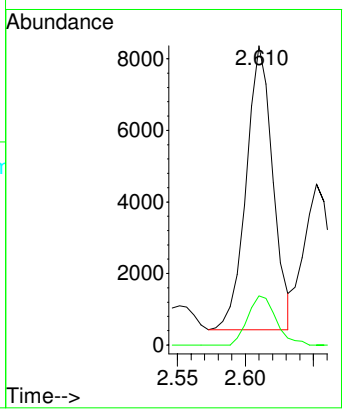


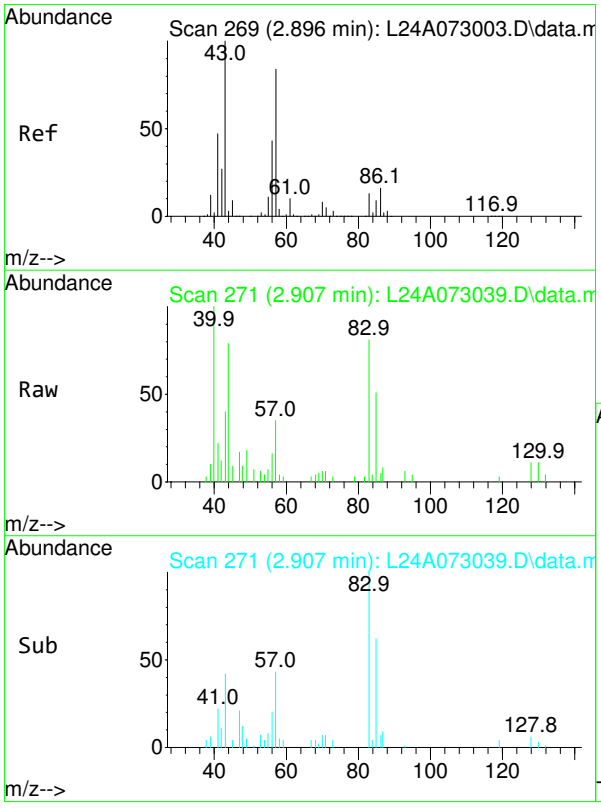


#24
VINYL ACETATE
Concen: 0.28 PPBV
RT: 2.610 min Scan# 215
Delta R.T. -0.001 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 10822

Ion	Ratio	Lower	Upper
43	100		
86	18.4	0.0	19.5

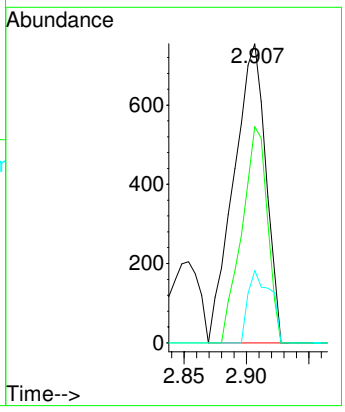


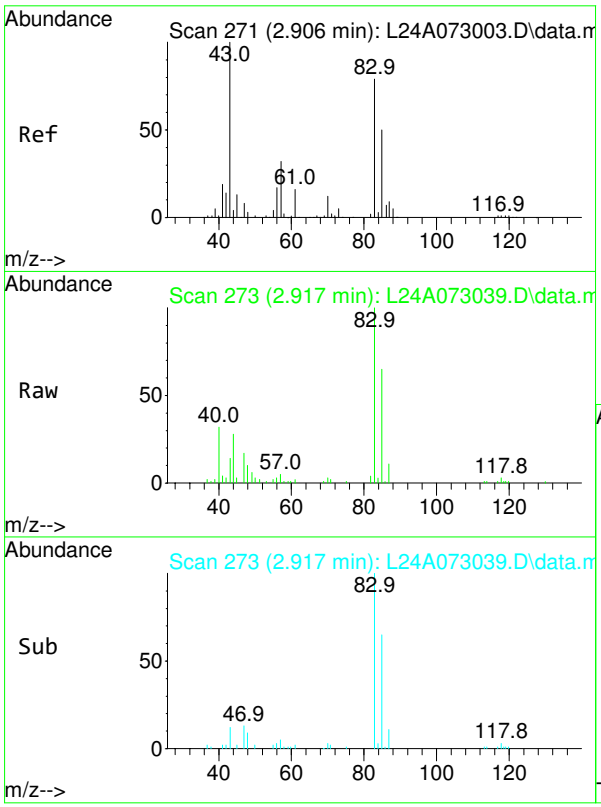


#25
HEXANE
Concen: 0.07 PPBV
RT: 2.907 min Scan# 271
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 41 Resp: 1346

Ion	Ratio	Lower	Upper
41	100		
56	57.6	52.3	92.3
86	16.9	16.1	36.1

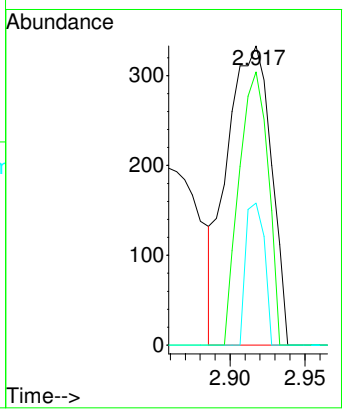


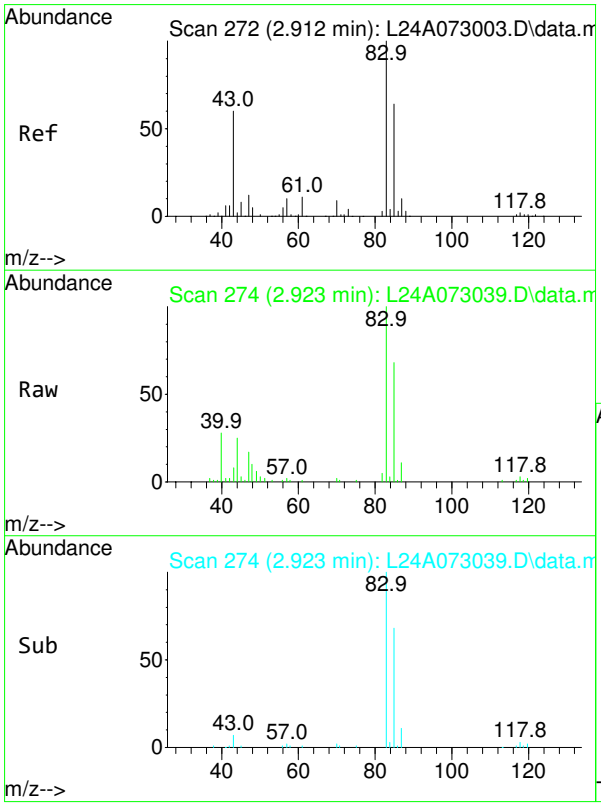


#26
ETHYL ACETATE
Concen: 0.11 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.013 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 45 Resp: 681

Ion	Ratio	Lower	Upper
45	100		
70	60.1	68.8	108.8#
61	20.1	83.3	123.3#

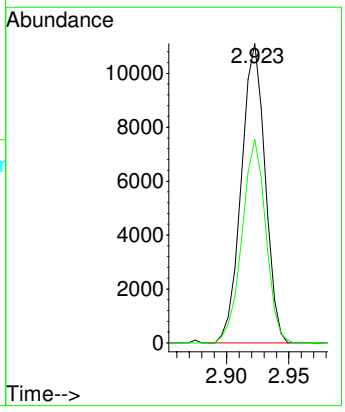


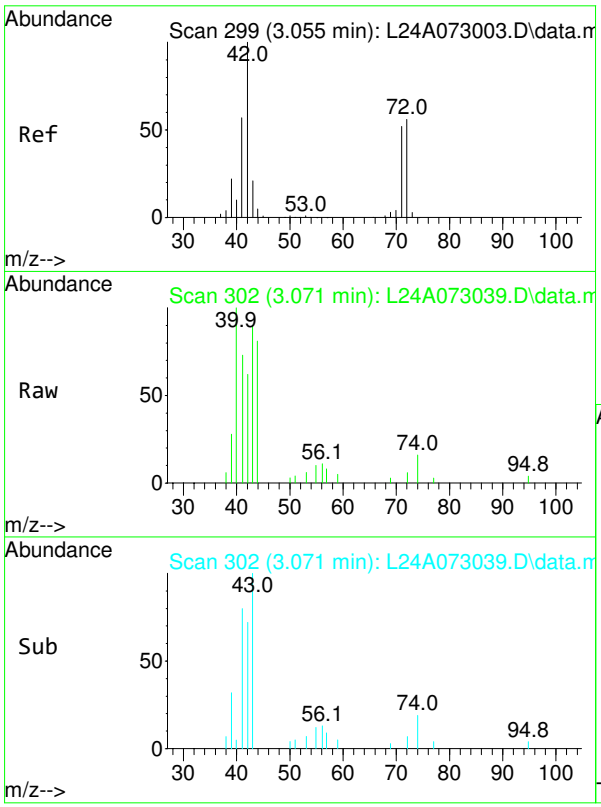


#27
CHLOROFORM
Concen: 0.39 PPBV
RT: 2.923 min Scan# 274
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 83 Resp: 14708

Ion	Ratio	Lower	Upper
83	100		
85	67.9	44.8	84.8

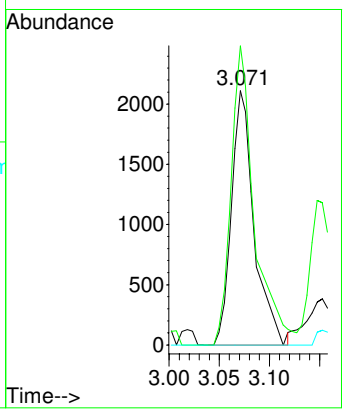


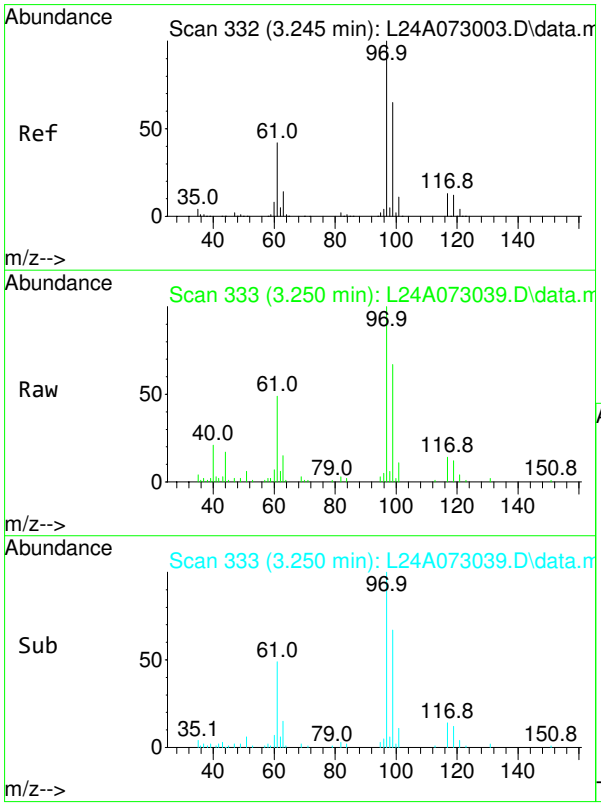


#28
TETRAHYDROFURAN
Concen: 0.16 PPBV
RT: 3.071 min Scan# 302
Delta R.T. 0.020 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 42 Resp: 3904

Ion	Ratio	Lower	Upper
42	100		
41	113.1	33.5	73.5#
71	0.0	24.0	64.0#

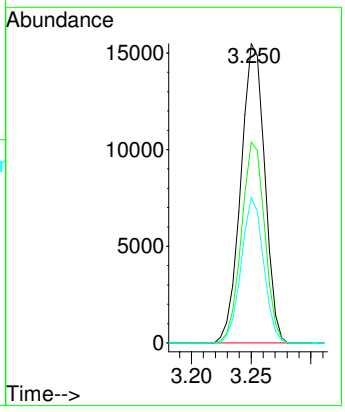


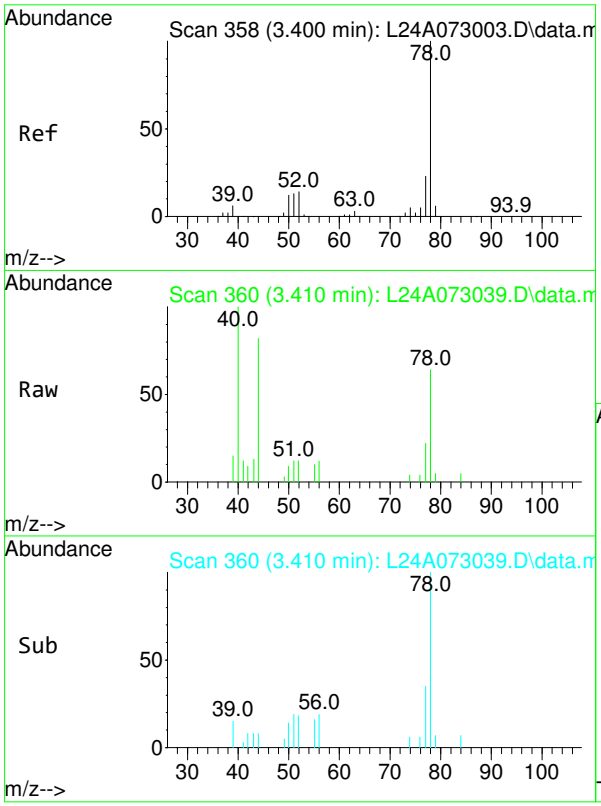


#31
1,1,1-TRICHLOROETHANE
Concen: 0.53 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 97 Resp: 21414

Ion	Ratio	Lower	Upper
97	100		
99	65.1	45.3	85.3
61	45.2	28.1	68.1

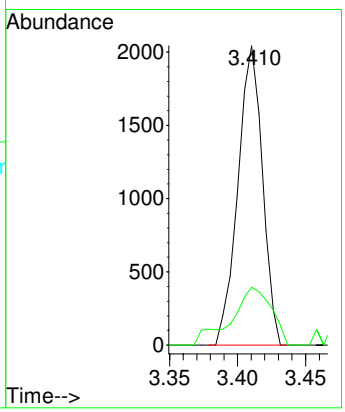


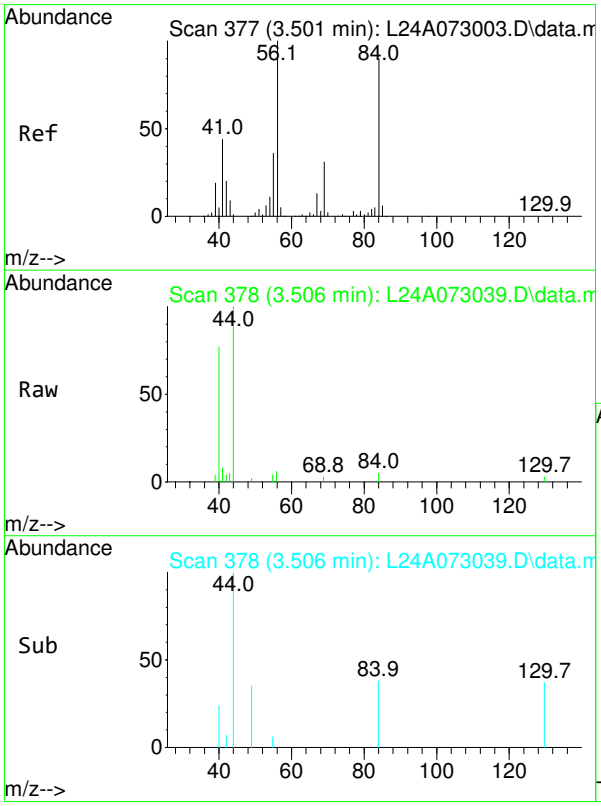


#32
BENZENE
Concen: 0.04 PPBV
RT: 3.410 min Scan# 360
Delta R.T. 0.006 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 78 Resp: 2567

Ion	Ratio	Lower	Upper
78	100		
51	31.7	0.0	37.7

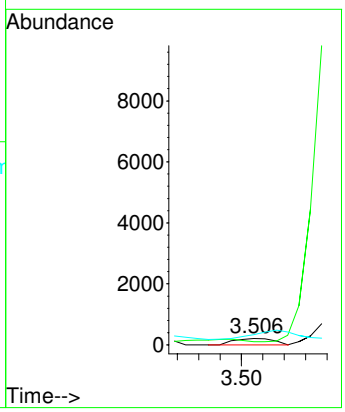


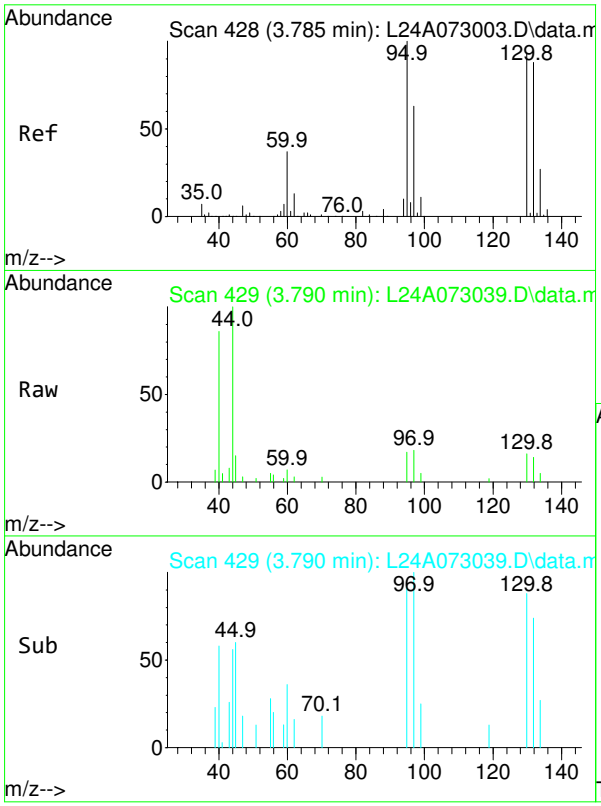


#34
CYCLOHEXANE
Concen: 0.01 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 84 Resp: 275

Ion	Ratio	Lower	Upper
84	100		
69	42.5	17.7	57.7
41	148.0	44.6	84.6#

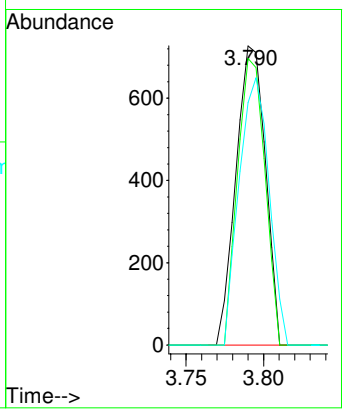


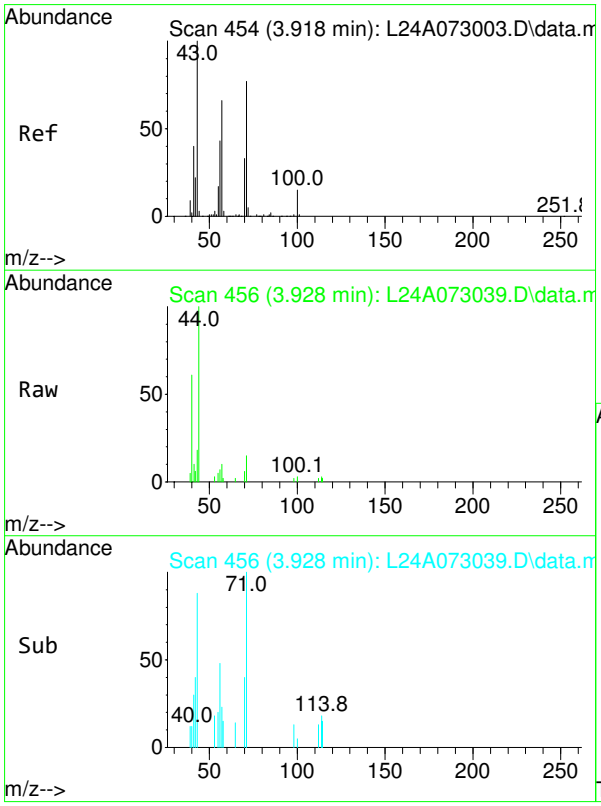


#37
TRICHLOROETHENE
Concen: 0.04 PPBV
RT: 3.790 min Scan# 429
Delta R.T. 0.002 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 95 Resp: 958

Ion	Ratio	Lower	Upper
95	100		
130	88.6	76.0	116.0
132	90.7	74.7	114.7

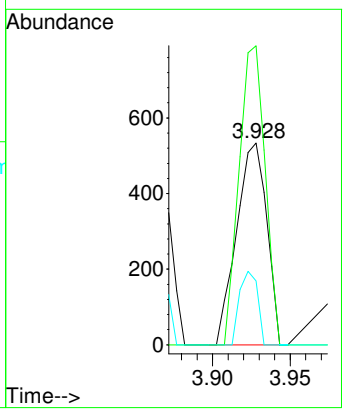


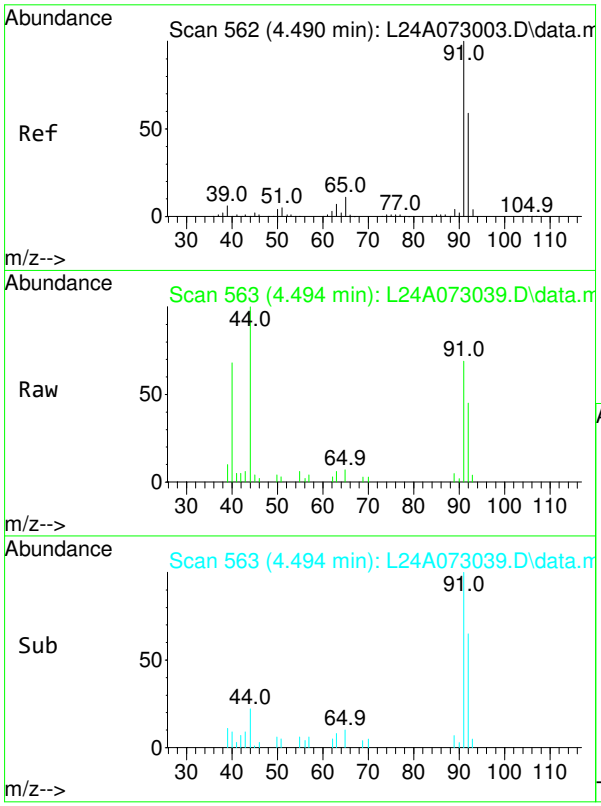


#40
HEPTANE
Concen: 0.04 PPBV
RT: 3.928 min Scan# 456
Delta R.T. 0.004 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 57 Resp: 721

Ion	Ratio	Lower	Upper
57	100		
71	127.9	87.9	127.9
100	21.6	4.4	44.4

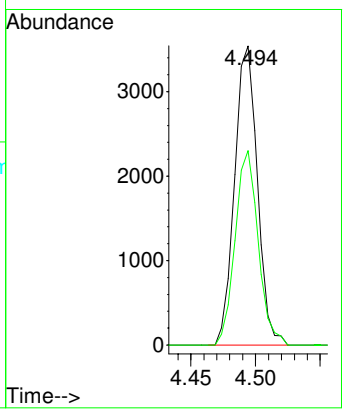


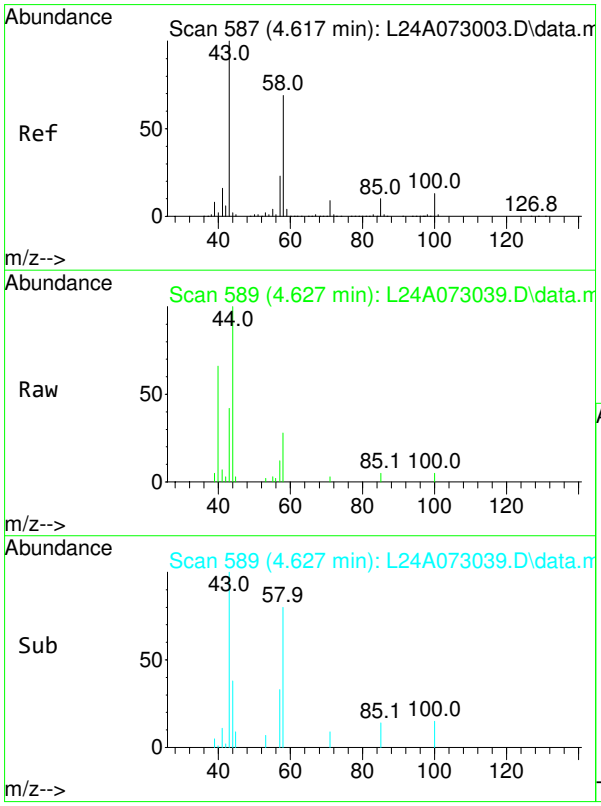


#46
TOLUENE
Concen: 0.06 PPBV
RT: 4.494 min Scan# 563
Delta R.T. 0.000 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 91 Resp: 4339

Ion	Ratio	Lower	Upper
91	100		
92	65.8	39.1	79.1

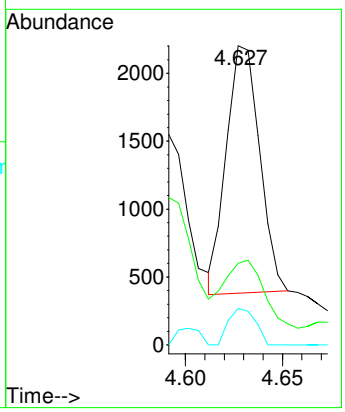


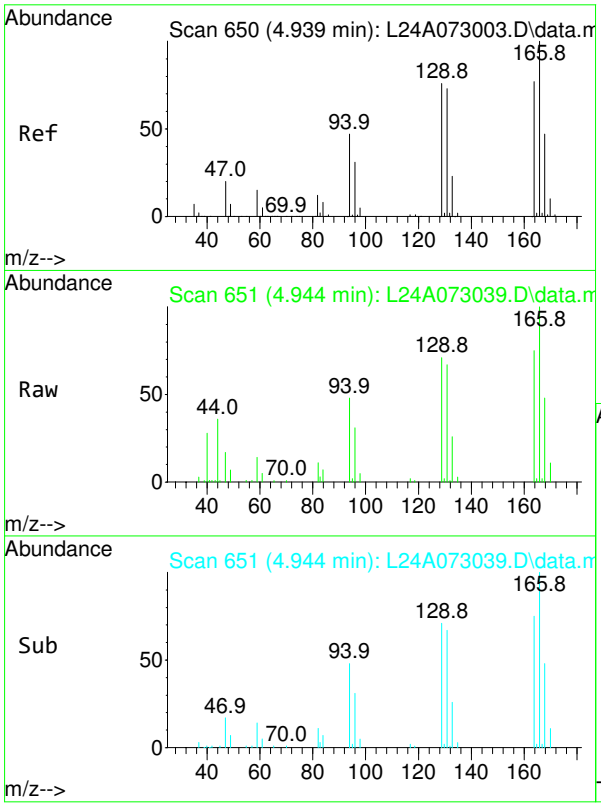


#47
2-HEXANONE(MBK)
Concen: 0.05 PPBV
RT: 4.627 min Scan# 589
Delta R.T. 0.007 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 2179

Ion	Ratio	Lower	Upper
43	100		
57	26.7	0.0	39.5
100	12.0	1.7	21.7

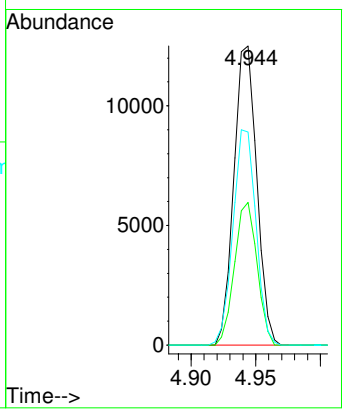


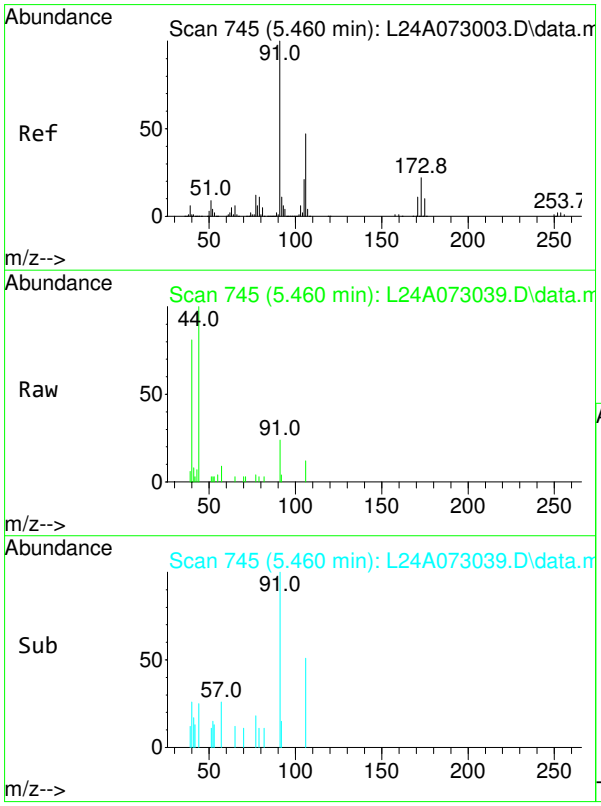


#50
TETRACHLOROETHENE
Concen: 0.51 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:166 Resp: 15414

Ion	Ratio	Lower	Upper
166	100		
168	46.9	28.8	68.8
129	72.0	56.6	96.6

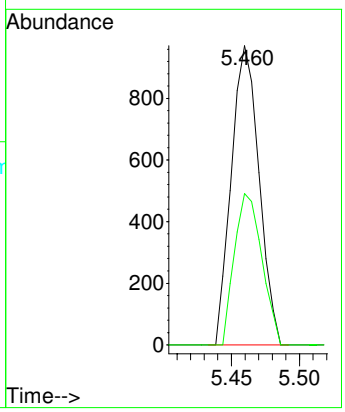


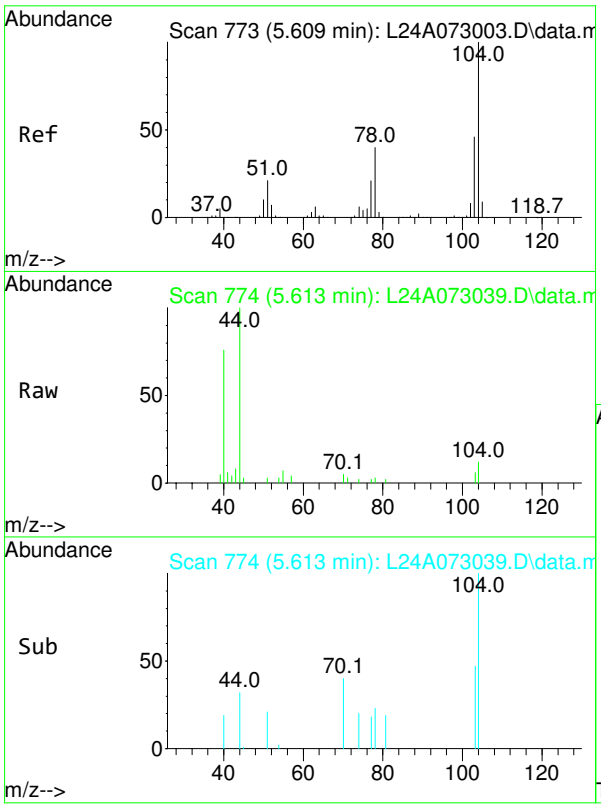


#53
M/P-XYLENE
Concen: 0.02 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 91 Resp: 1375

Ion	Ratio	Lower	Upper
91	100		
106	50.1	24.9	64.9

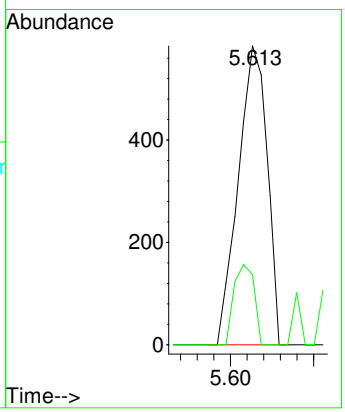


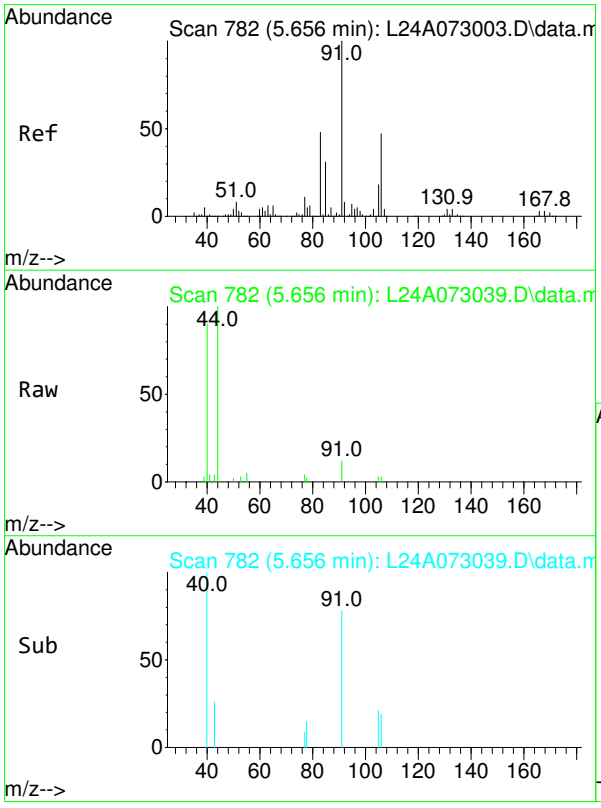


#55
STYRENE
Concen: 0.01 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:104 Resp: 703

Ion	Ratio	Lower	Upper
104	100		
78	18.9	24.7	64.7#

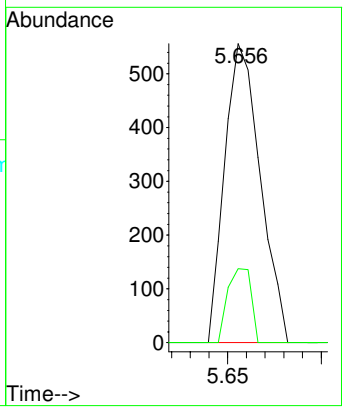


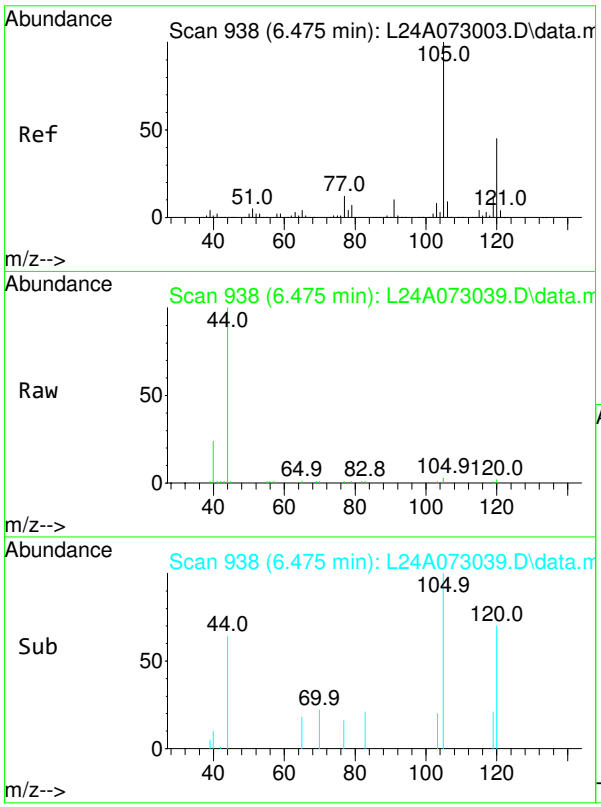


#56
O-XYLENE
Concen: 0.01 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 91 Resp: 736

Ion	Ratio	Lower	Upper
91	100		
106	16.3	25.4	65.4#

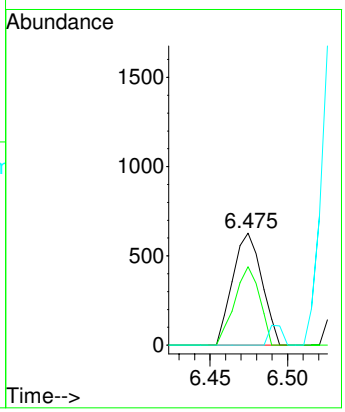


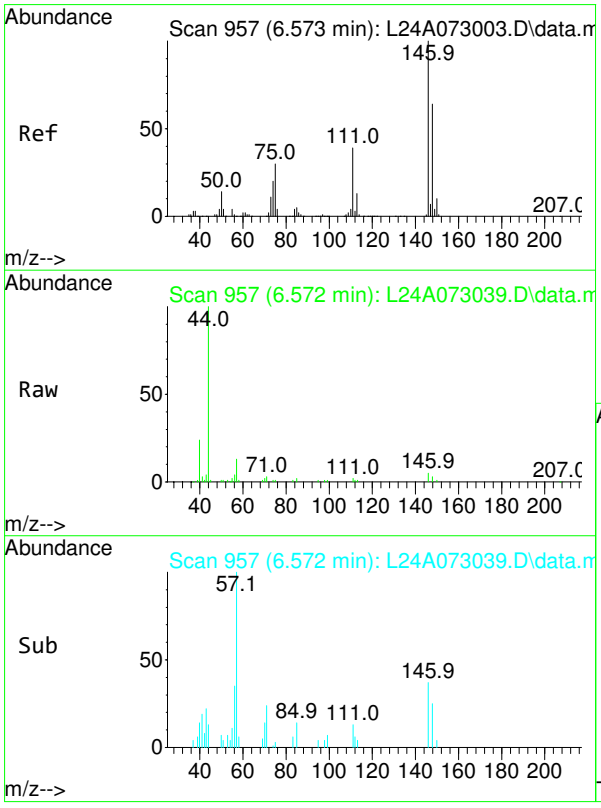


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.01 PPBV
RT: 6.475 min Scan# 938
Delta R.T. -0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:105 Resp: 822

Ion	Ratio	Lower	Upper
105	100		
120	59.7	24.0	64.0
207	0.0	0.0	20.0

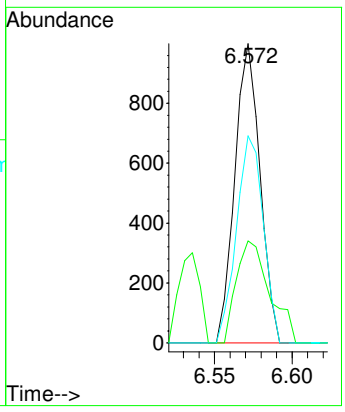


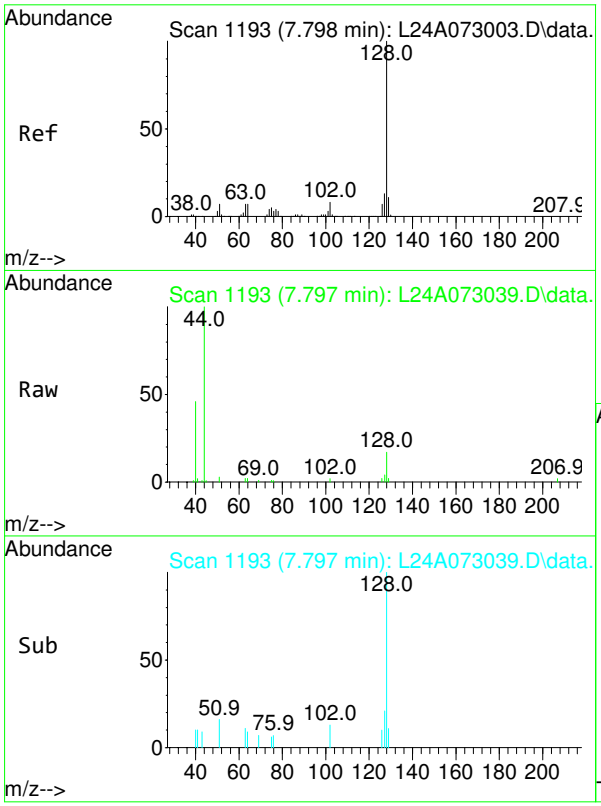


#64
1,4-DICHLOROBENZENE
Concen: 0.03 PPBV
RT: 6.572 min Scan# 957
Delta R.T. -0.005 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:146 Resp: 1132

Ion	Ratio	Lower	Upper
146	100		
111	45.0	20.5	60.5
148	73.3	44.9	84.9

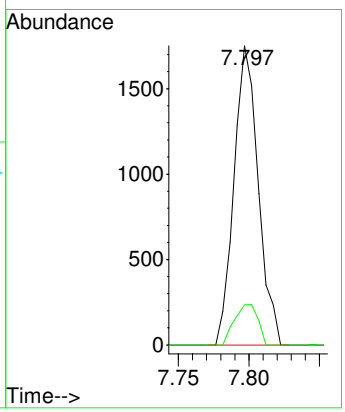


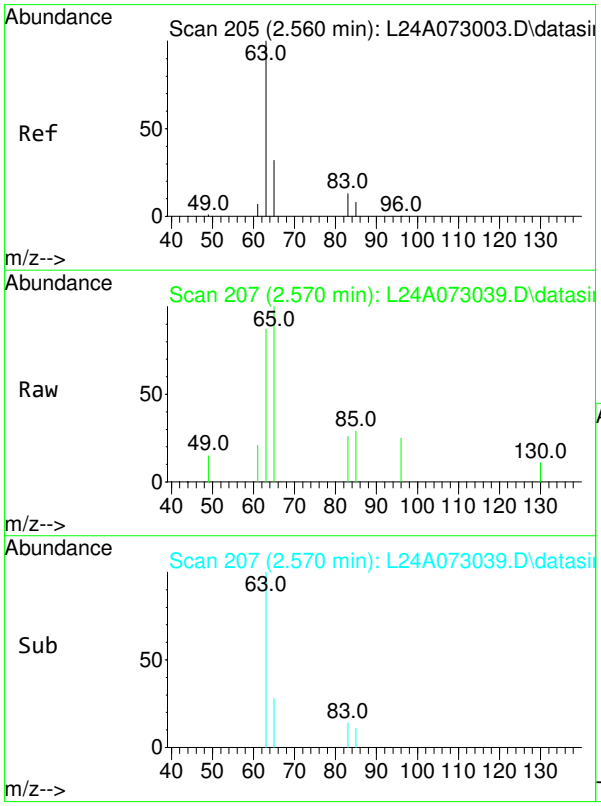


#67
NAPHTHALENE
Concen: 0.03 PPBV
RT: 7.797 min Scan# 1193
Delta R.T. -0.006 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:128 Resp: 2092

Ion	Ratio	Lower	Upper
128	100		
102	13.0	0.0	29.2

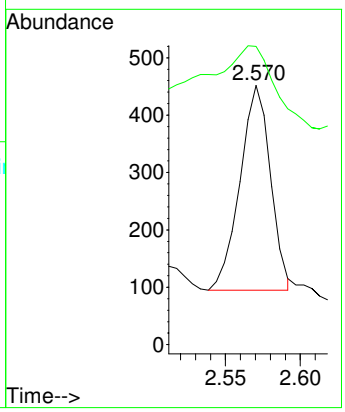


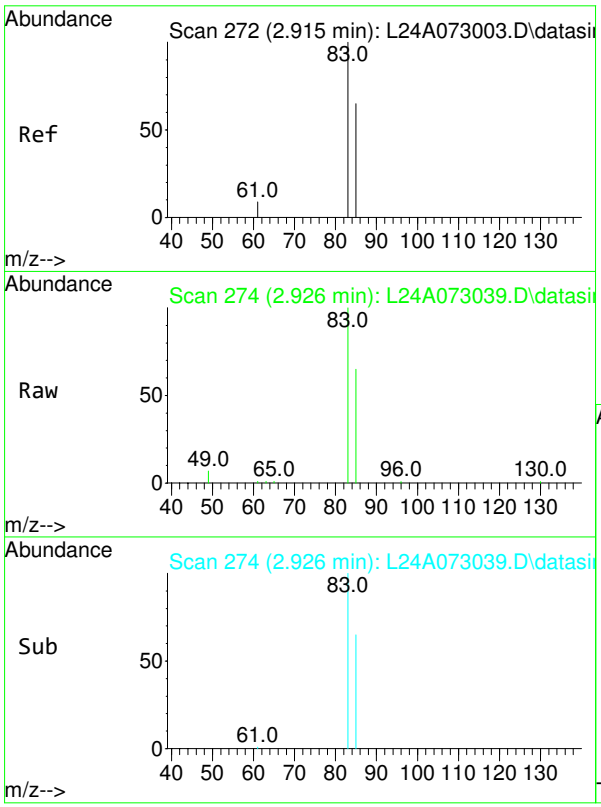


#73
1,1-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 2.570 min Scan# 207
Delta R.T. 0.011 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 63 Resp: 504

Ion	Ratio	Lower	Upper
63	100		
65	58.7	11.5	51.5#

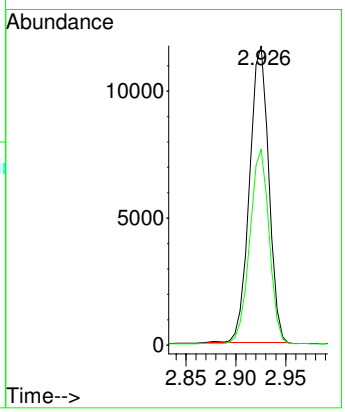


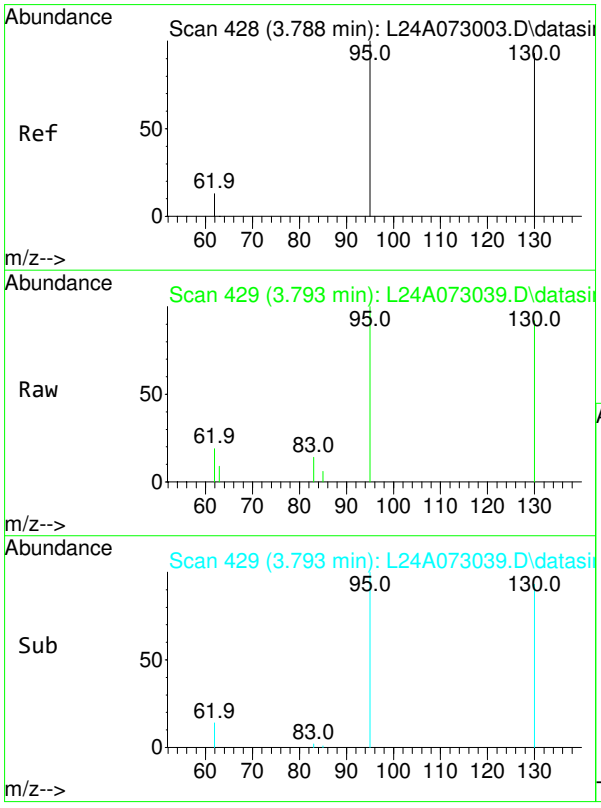


#75
CHLOROFORM (SIM)
Concen: 0.39 PPBV
RT: 2.926 min Scan# 274
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 83 Resp: 15630

Ion	Ratio	Lower	Upper
83	100		
85	65.8	45.0	85.0

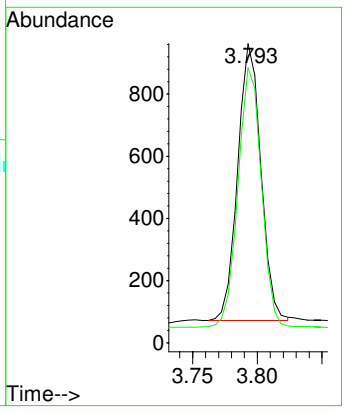




#81
TRICHLOROETHENE (SIM)
Concen: 0.04 PPBV
RT: 3.793 min Scan# 429
Delta R.T. 0.003 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 95 Resp: 1107

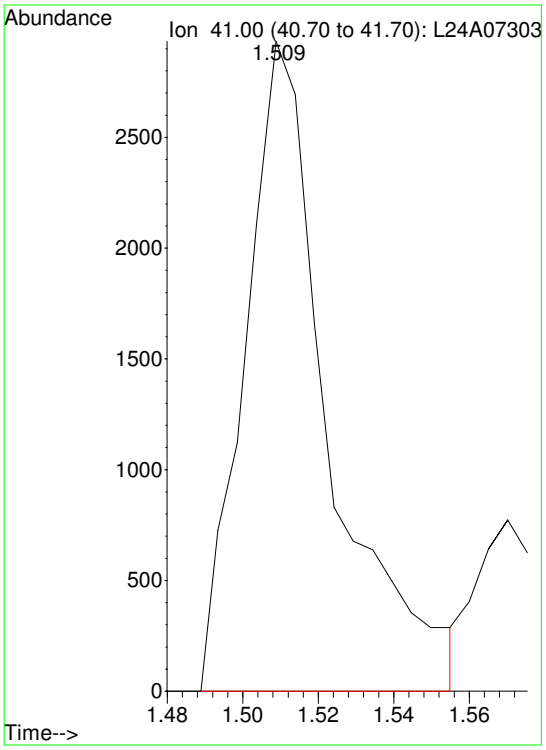
Ion	Ratio	Lower	Upper
95	100		
130	94.7	74.5	114.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

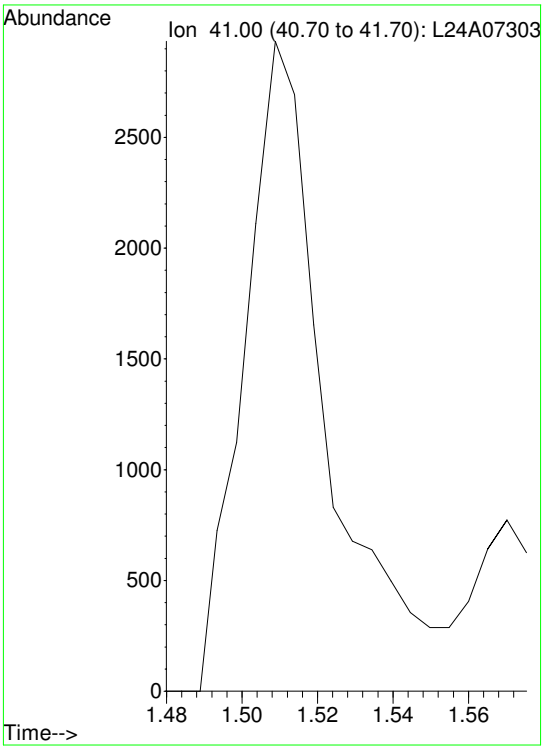
RT : 1.51
Area : 4509
Amount: 0.418983

Manual Int. Results

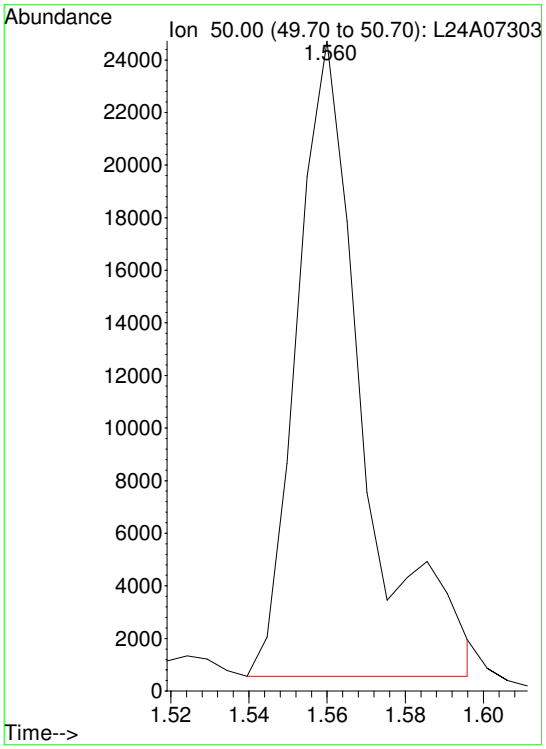
Fri Mar 15 11:26:34 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

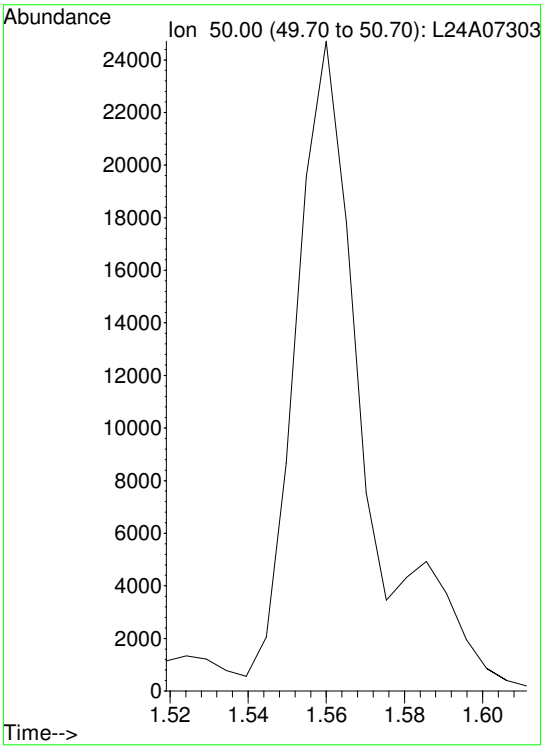
RT : 1.56
Area : 28437
Amount: 1.76489

Manual Int. Results

Fri Mar 15 11:26:38 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

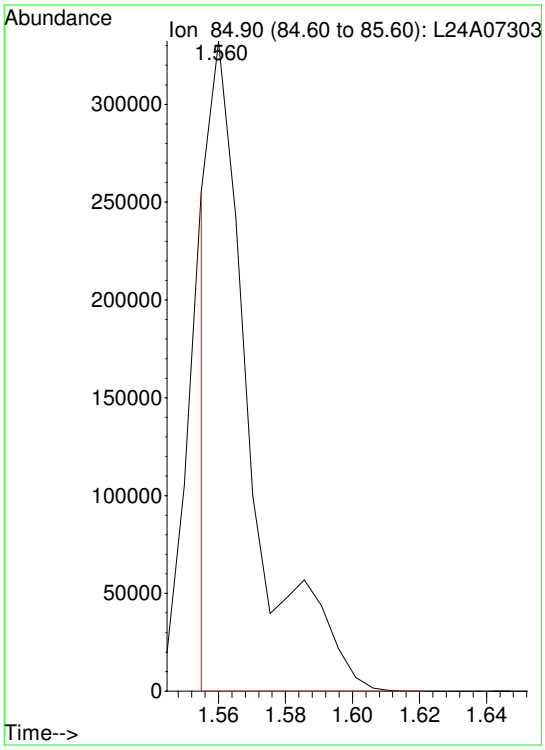
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

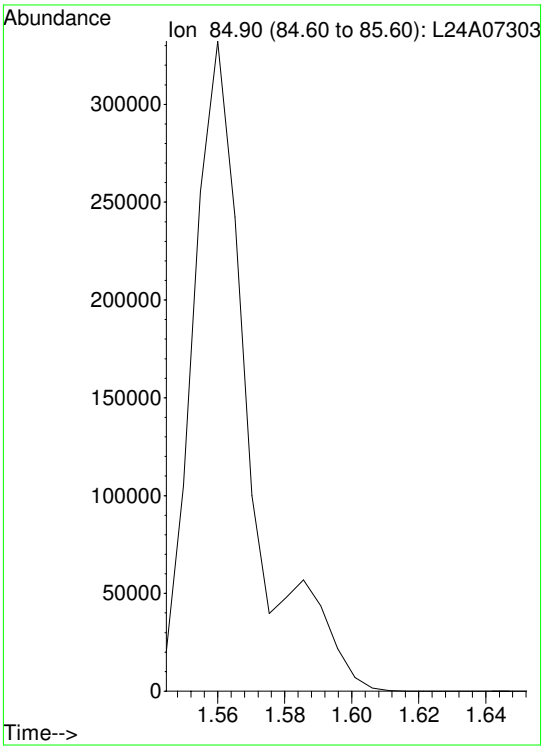
RT : 1.56
Area : 274492
Amount: 5.8242

Manual Int. Results

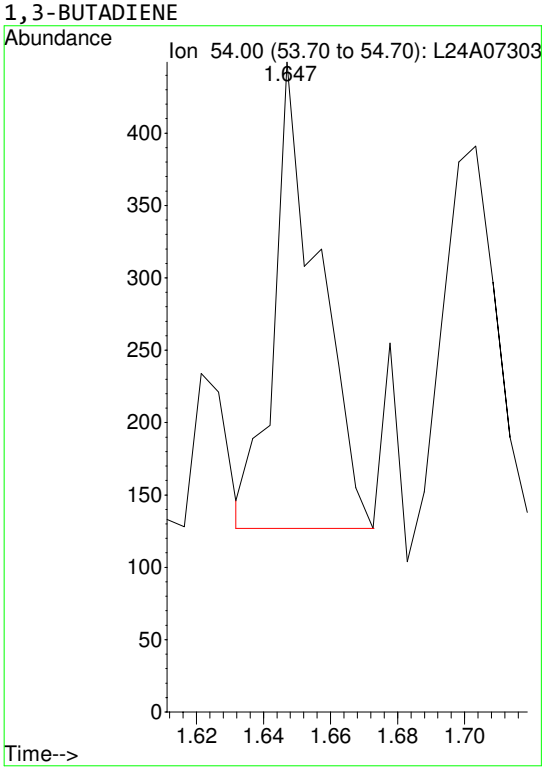
Fri Mar 15 11:26:41 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

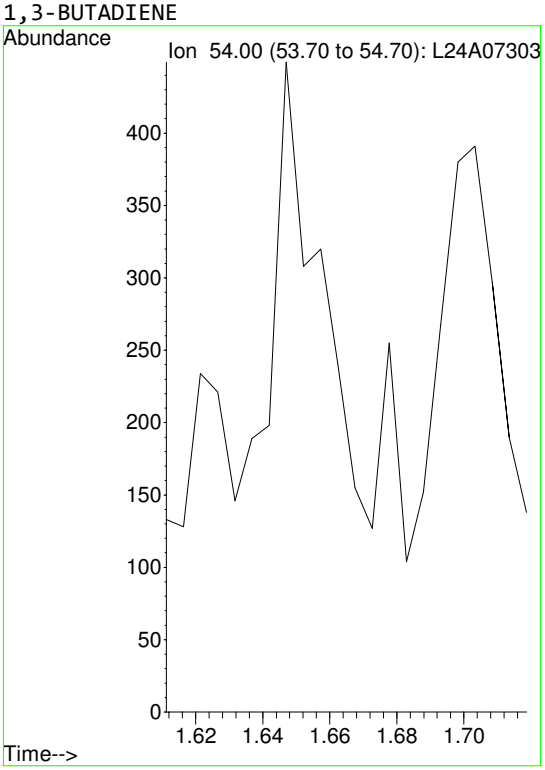
RT : 1.65
Area : 298
Amount: 0.0204746

Manual Int. Results

Fri Mar 15 11:26:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

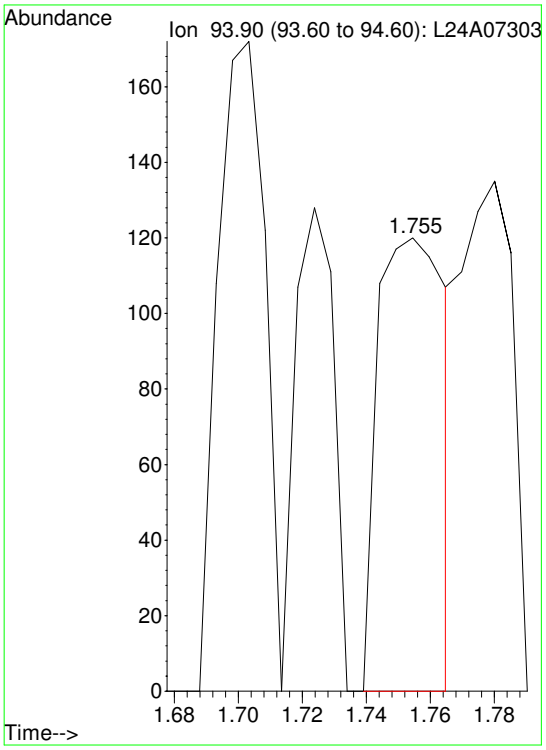
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

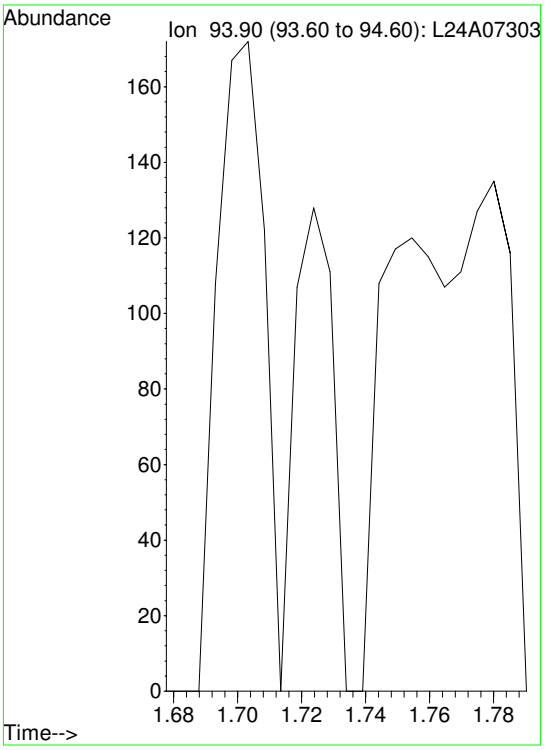
RT : 1.75
Area : 174
Amount: 0.0104443

Manual Int. Results

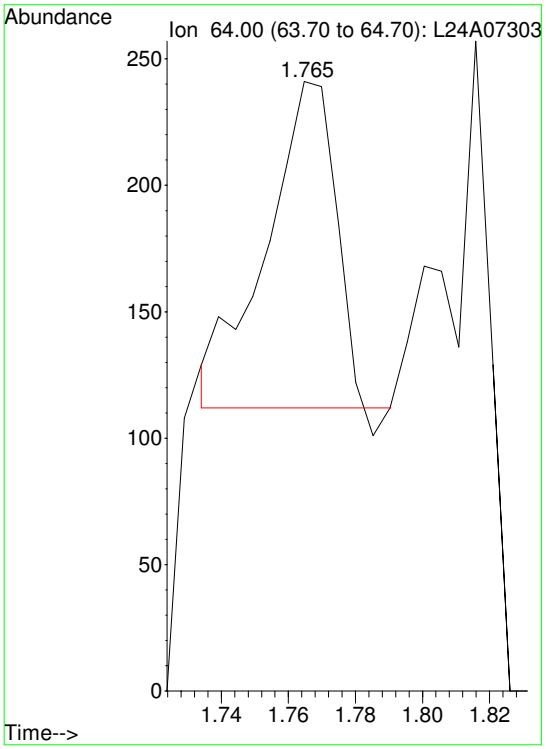
Fri Mar 15 11:26:49 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

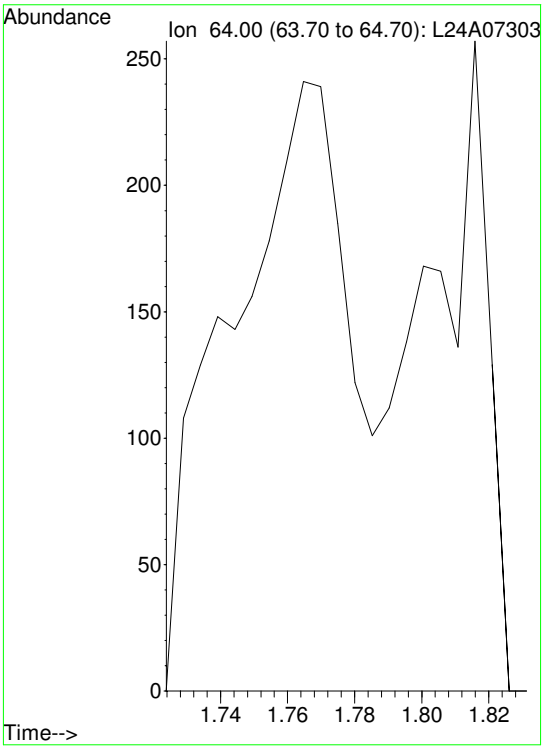
RT : 1.76
Area : 185
Amount: 0.017014

Manual Int. Results

Fri Mar 15 11:26:52 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

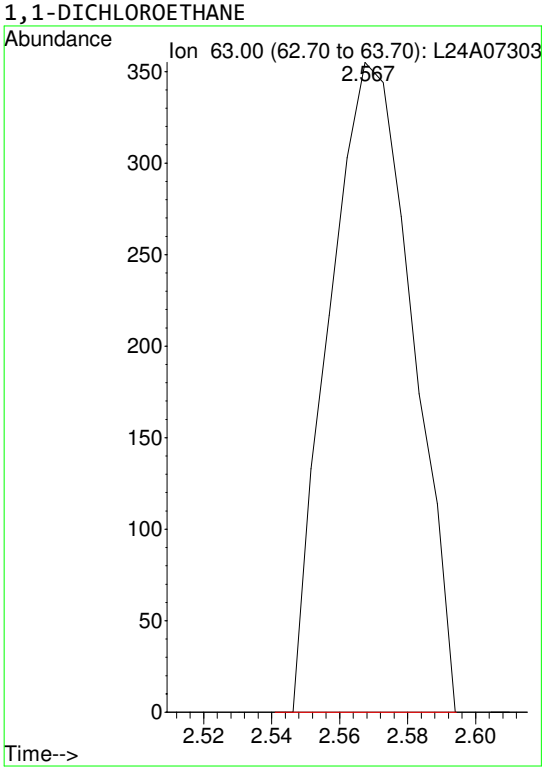
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

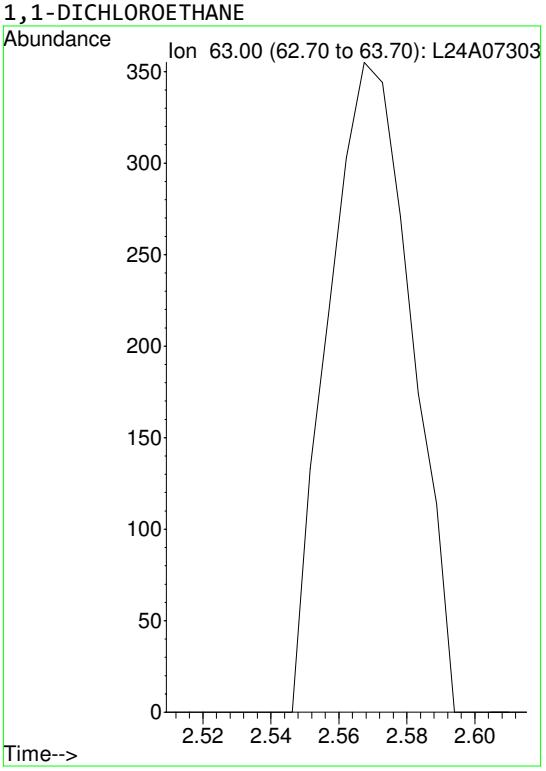
RT : 2.57
Area : 608
Amount: 0.0165301

Manual Int. Results

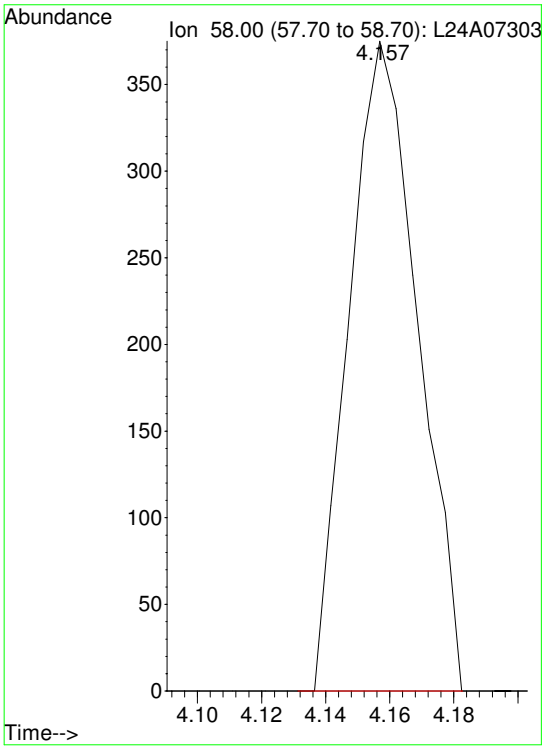
Fri Mar 15 11:27:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
MIBK



Original Int. Results

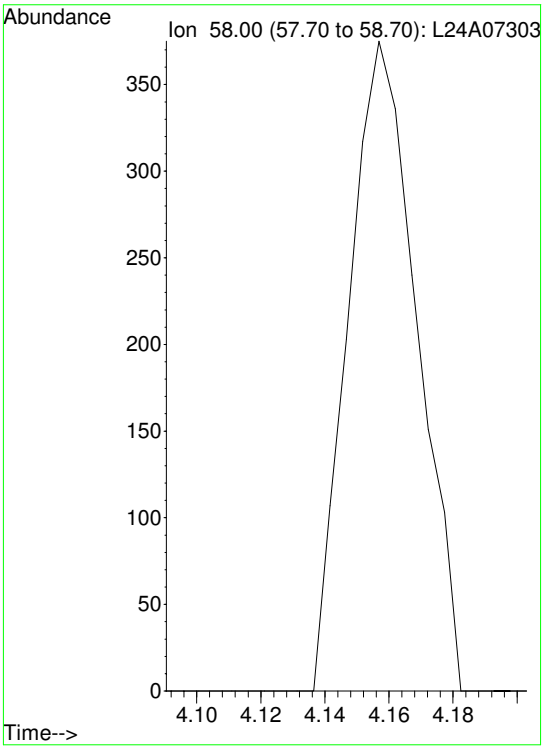
RT : 4.16
Area : 562
Amount: 0.0295112

Manual Int. Results

Fri Mar 15 11:27:18 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

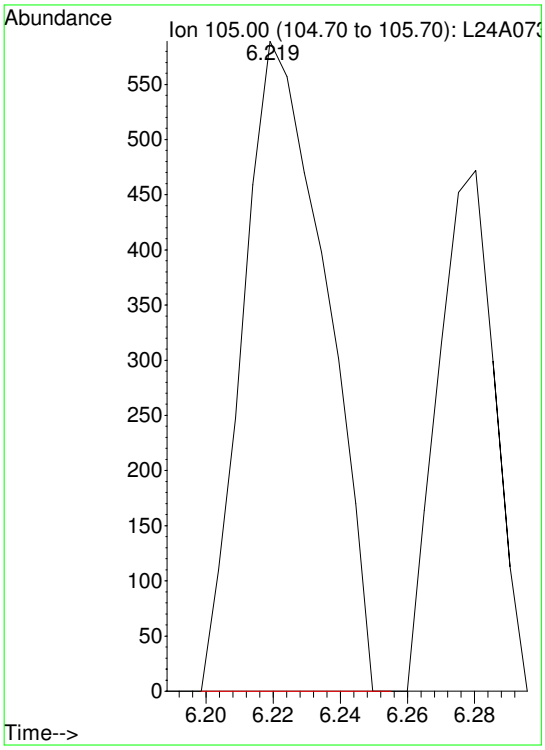
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
4-ETHYLTOLUENE



Original Int. Results

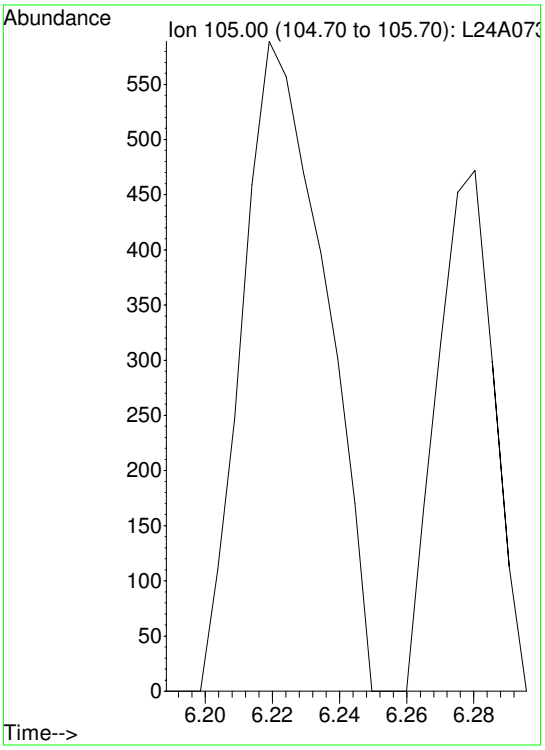
RT : 6.22
Area : 1012
Amount: 0.0112407

Manual Int. Results

Fri Mar 15 11:27:31 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-04	File ID:	L24A073030.D
Sampled:	02/28/24 19:38	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 00:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	24	0.71	1.4	
71-43-2	Benzene	0.19	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	4.7	0.68	1.4	
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.070	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.067	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.033	0.017	0.035	J
67-66-3	Chloroform (SIM)	0.039	0.0018	0.0070	
74-87-3	Chloromethane	0.76	0.047	0.070	
110-82-7	Cyclohexane	0.070	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	2.3	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.77	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.072	0.013	0.035	
107-62-2	1,2-Dichloroethane (SIM)	0.070	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-04	File ID:	L24A073030.D
Sampled:	02/28/24 19:38	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 00:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)	0.0097	0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.42	0.014	0.035	
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	1500	0.92	1.4	E
141-78-6	Ethyl Acetate	0.93	0.14	0.35	
100-41-4	Ethylbenzene	0.084	0.012	0.035	
622-96-8	4-Ethyltoluene	0.33	0.015	0.035	
142-82-5	Heptane	0.31	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)	0.10	0.015	0.035	
67-63-0	Isopropanol	170	0.73	1.4	E
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.022	0.017	0.035	J
75-09-2	Methylene Chloride	0.15	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.038	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.15	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-04	File ID:	L24A073030.D
Sampled:	02/28/24 19:38	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 00:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran	0.27	0.13	0.35	J
108-88-3	Toluene	0.67	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.24	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.11	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	2.5	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.88	0.027	0.035	
108-05-4	Vinyl Acetate	0.88	0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.19	0.024	0.070	
95-47-6	o-Xylene	0.17	0.013	0.035	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073030.D Vial: 26
Acq On : 14 Mar 2024 12:50 am Operator: CMR
Sample : 24C0251-04 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:56 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073030.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	206552	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.537	114	616029	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	573033	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	226413	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	656919	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	627423	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.853	174	293417	7.439	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.00%			
87) 4-BROMOFLUOROBENZENE (...	5.856	174	313235	7.798	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 97.50%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	50555	1.107	PPBV	98
4) CHLOROMETHANE	1.570	50	17277	1.097	PPBV	99
5) FREON 114	1.570	85	27846	0.604	PPBV #	45
10) ACROLEIN	1.897	56	9589	1.170	PPBV	91
11) ACETONE	1.933	43	1009400	34.836	PPBV	78
12) TRICHLOROFLUOROMETHANE	1.989	101	16366	0.349	PPBV	94
13) ETHANOL	1.805	45	9673643	2162.713	PPBV	89
15) METHYLENE CHLORIDE	2.206	49	4705	0.209	PPBV #	79
16) FREON 113	2.297	101	6018	0.162	PPBV	98
17) CARBON DISULFIDE	2.297	76	2501	0.047	PPBV	87
20) MTBE	2.583	73	1681	0.031	PPBV	68
21) IPA	2.005	45	7511704	246.411	PPBV	98
22) 2-BUTANONE(MEK)	2.684	43	242373	6.795	PPBV	86
24) VINYL ACETATE	2.599	43	47526	1.258	PPBV	77
25) HEXANE	2.901	41	3668	0.191	PPBV	96
26) ETHYL ACETATE	2.901	45	8205	1.330	PPBV	90
27) CHLOROFORM	2.912	83	1761	0.047	PPBV #	56
28) TETRAHYDROFURAN	3.049	42	9289	0.395	PPBV #	79
29) 1,2-DICHLOROETHANE	3.153	62	2600	0.103	PPBV	95
32) BENZENE	3.405	78	15180	0.272	PPBV	92
33) CARBON TETRACHLORIDE	3.458	117	3960	0.101	PPBV	93
34) CYCLOHEXANE	3.506	84	2327	0.100	PPBV	93
39) METHYLMETHACRYLATE	3.877	69	2662	0.137	PPBV #	81
40) HEPTANE	3.918	57	7733	0.439	PPBV	94
46) TOLUENE	4.490	91	65167	0.969	PPBV	98
47) 2-HEXANONE(MBK)	4.617	43	6434m	0.150	PPBV	
50) TETRACHLOROETHENE	4.940	166	915	0.031	PPBV	83
52) ETHYLBENZENE	5.381	91	10113	0.120	PPBV	99
53) M/P-XYLENE	5.456	91	19057	0.274	PPBV	89
55) STYRENE	5.609	104	10177	0.213	PPBV	97
56) O-XYLENE	5.657	91	16387	0.240	PPBV	99
59) 4-ETHYLTOLUENE	6.231	105	42316m	0.474	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.278	105	95452	1.263	PPBV	97
61) 1,2,4-TRIMETHYLBENZENE	6.472	105	264703	3.618	PPBV	100
64) 1,4-DICHLOROBENZENE	6.569	146	135951	3.272	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.740	180	357	0.013	PPBV #	76
67) NAPHTHALENE	7.797	128	3696	0.054	PPBV	91
75] CHLOROFORM (SIM)	2.914	83	2245	0.056	PPBV	94
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	2645	0.100	PPBV	99
78] CARBON TETRACHLORIDE (...	3.456	117	4182	0.096	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073030.D Vial: 26
Acq On : 14 Mar 2024 12:50 am Operator: CMR
Sample : 24C0251-04 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:56 2024

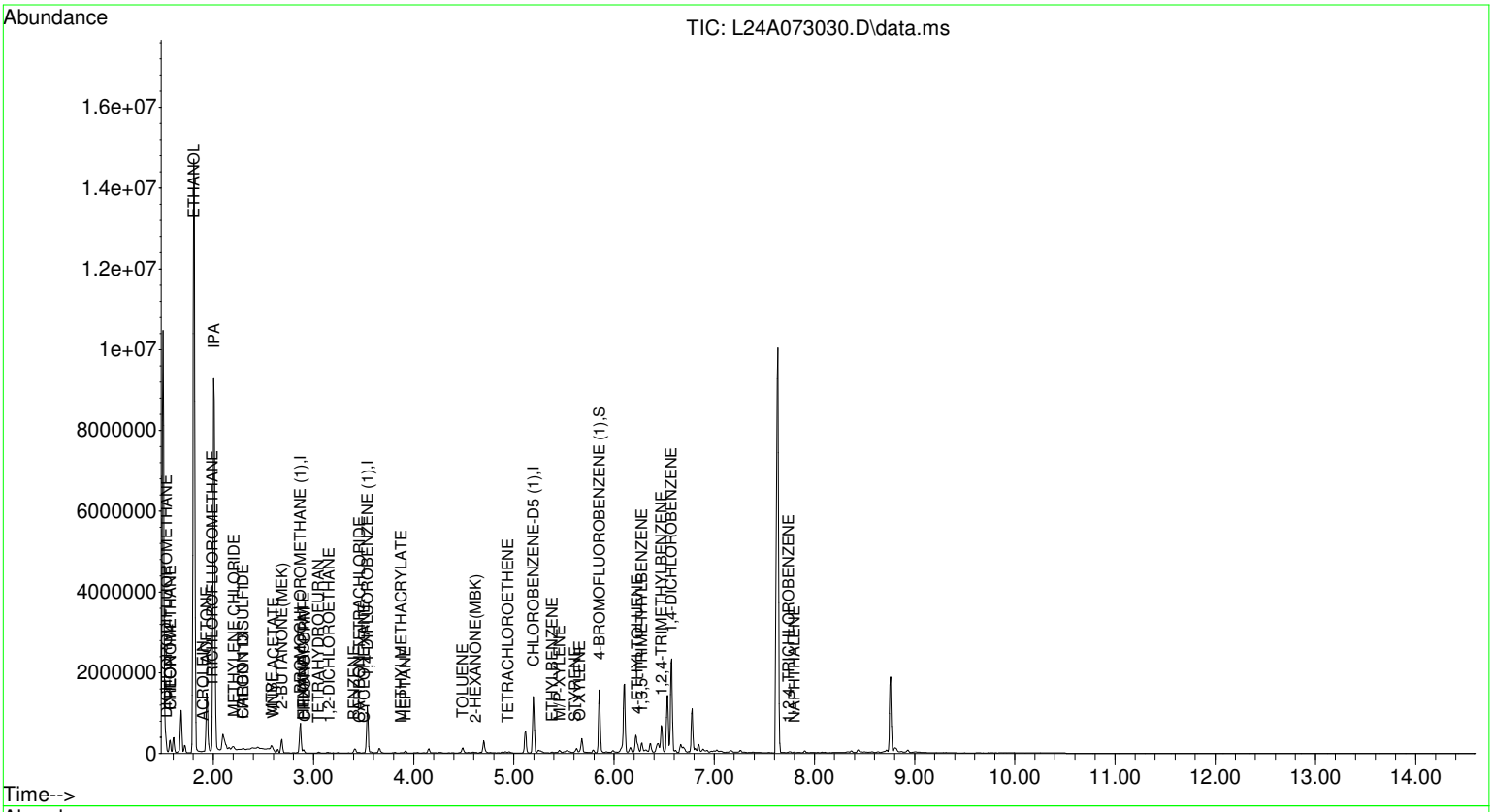
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073030.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

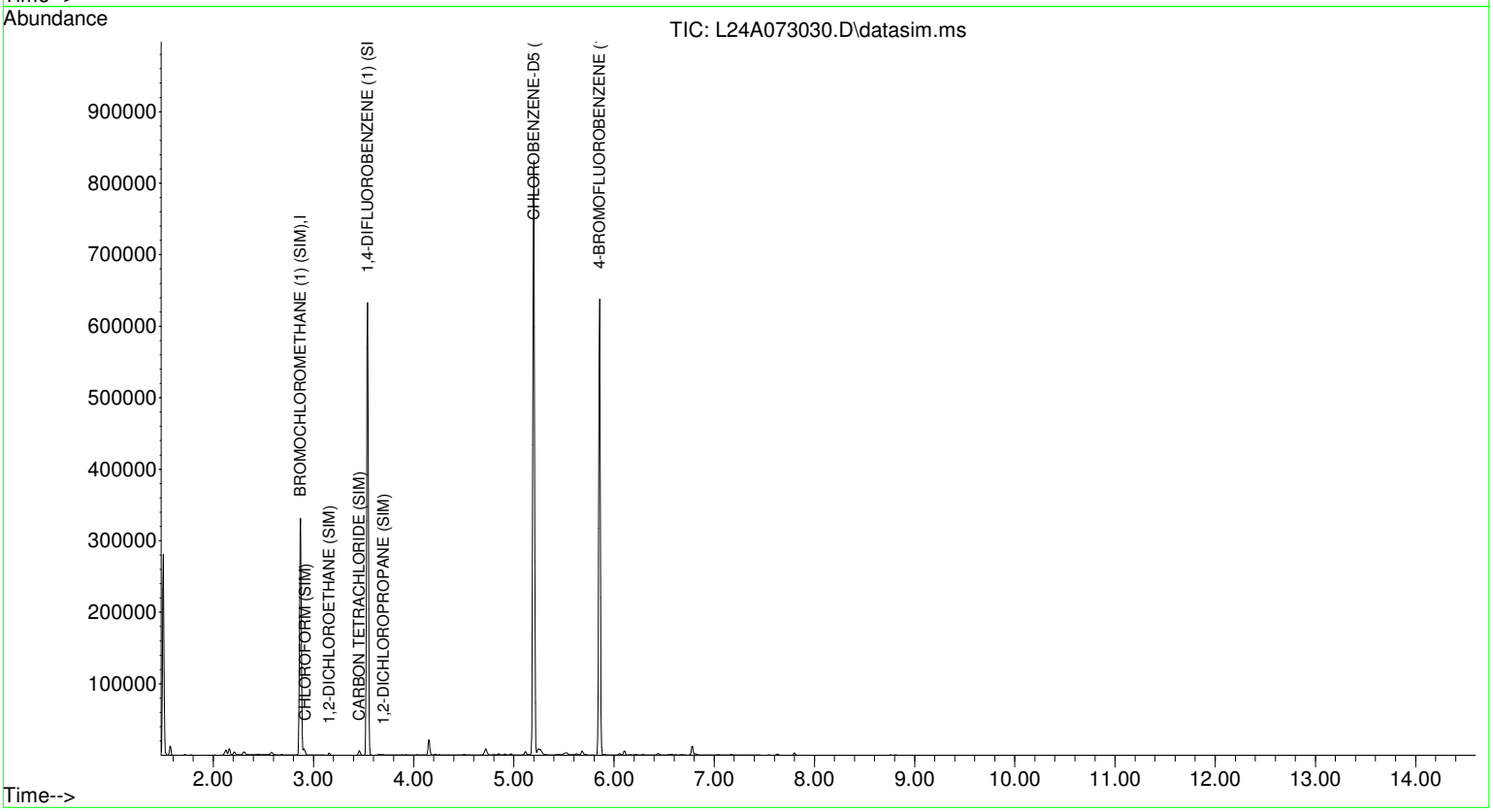
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	308	0.014	PPBV	100

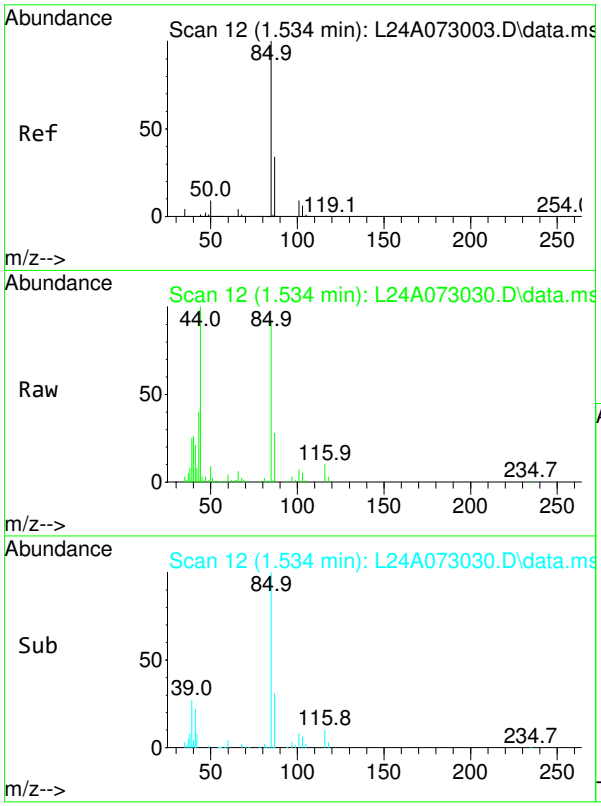
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073030.D Vial: 26
Acq On : 14 Mar 2024 12:50 am Operator: CMR
Sample : 24C0251-04 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:56 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073030.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



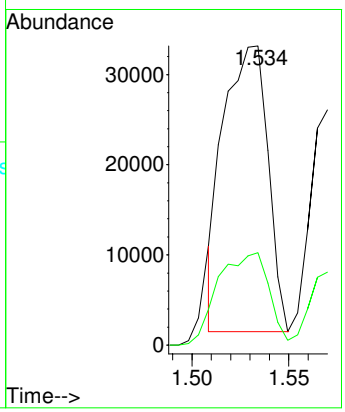


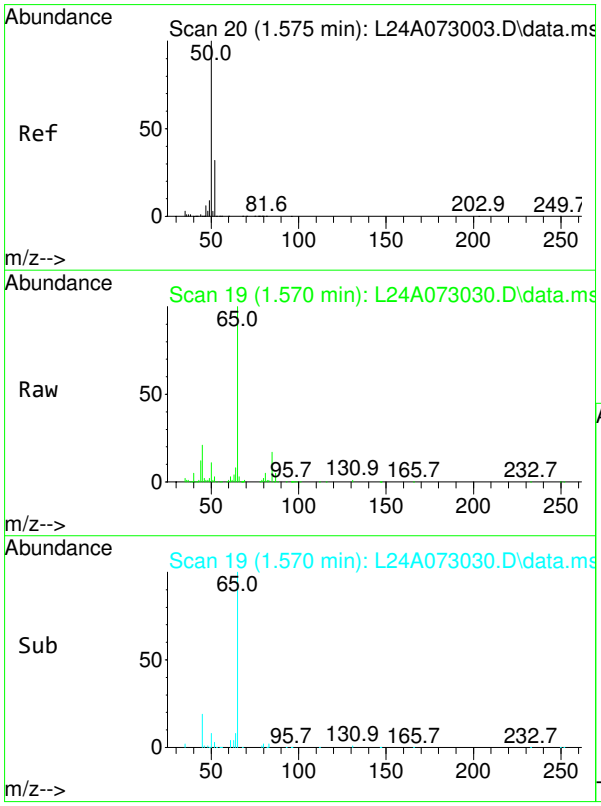


#3
DICHLORODIFLUOROMETHANE
Concen: 1.11 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 85 Resp: 50555

Ion	Ratio	Lower	Upper
85	100		
87	31.1	12.0	52.0

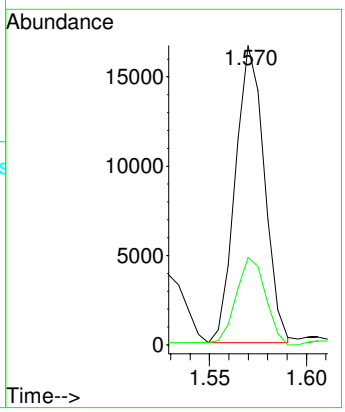


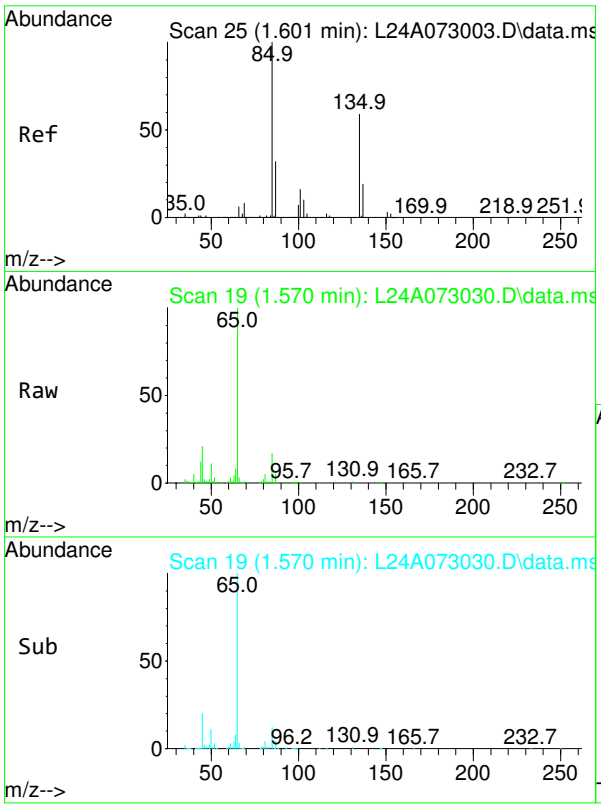


#4
CHLOROMETHANE
Concen: 1.10 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 50 Resp: 17277

Ion	Ratio	Lower	Upper
50	100		
52	30.6	11.2	51.2

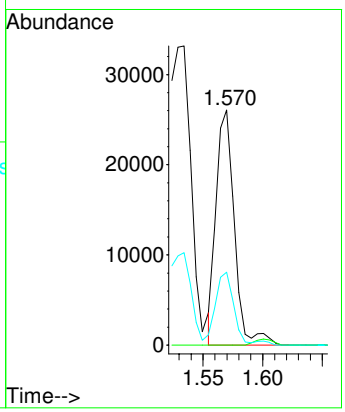


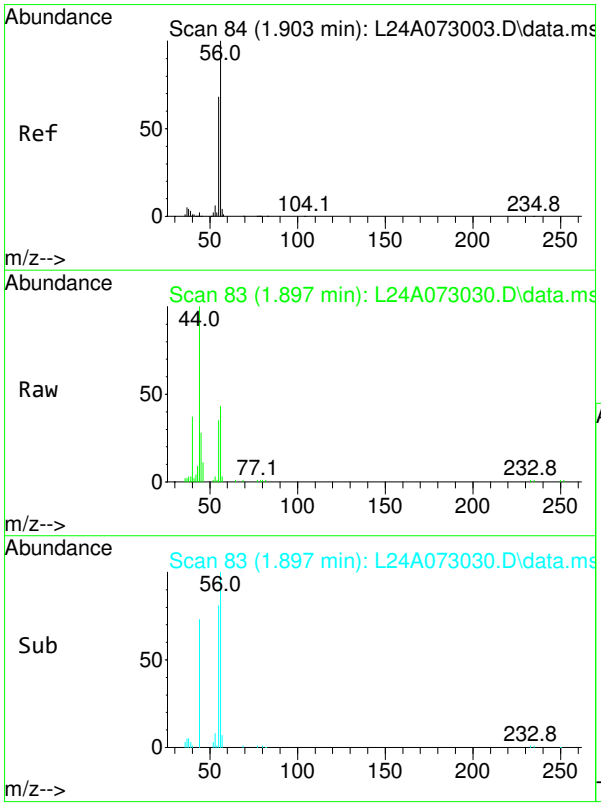


#5
FREON 114
Concen: 0.60 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.028 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 85 Resp: 27846

Ion	Ratio	Lower	Upper
85	100		
135	0.0	41.5	81.5#
87	27.8	12.1	52.1

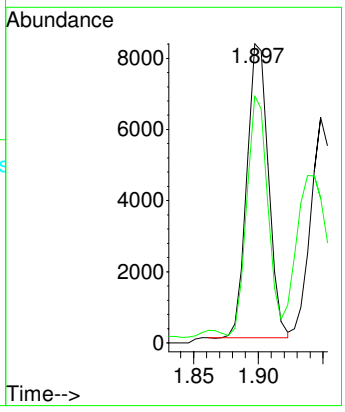


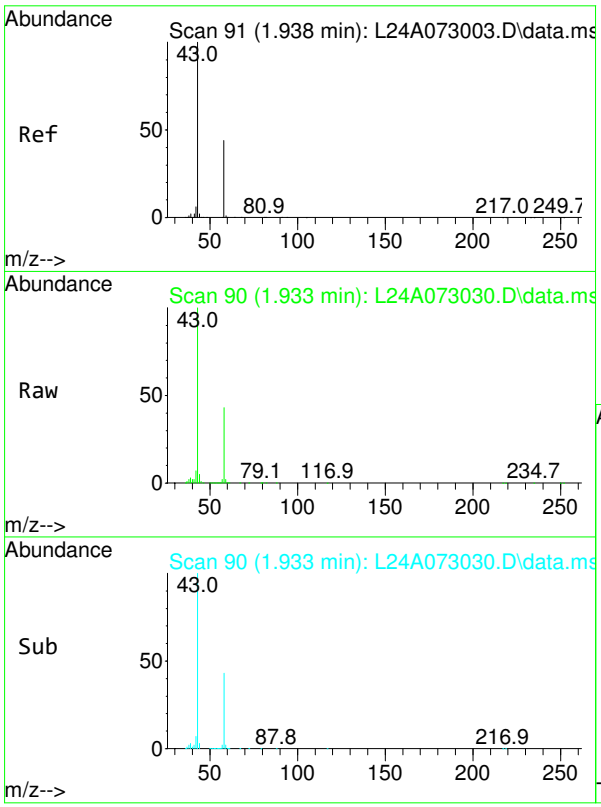


#10
ACROLEIN
Concen: 1.17 PPBV
RT: 1.897 min Scan# 83
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 56 Resp: 9589

Ion	Ratio	Lower	Upper
56	100		
55	78.7	51.4	91.4

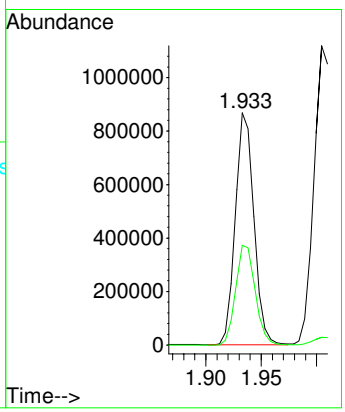


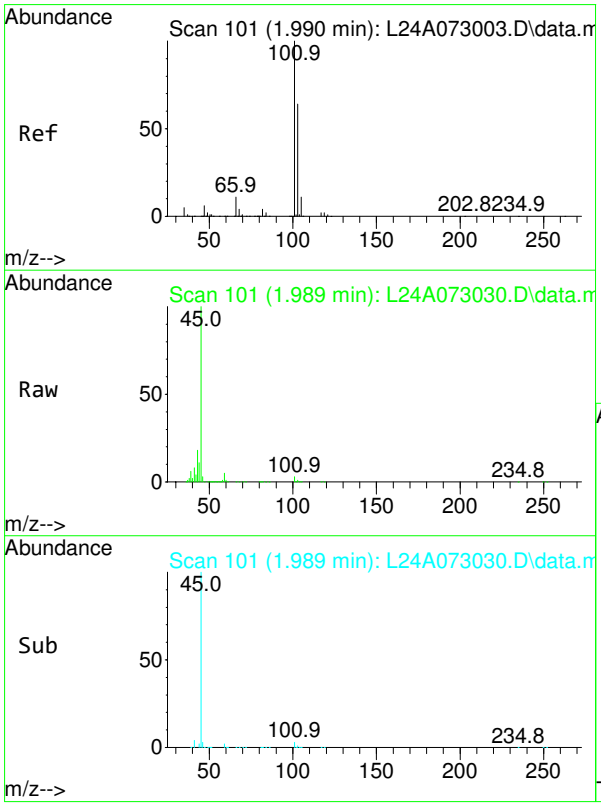


#11
ACETONE
Concen: 34.84 PPBV
RT: 1.933 min Scan# 90
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 1009400

Ion	Ratio	Lower	Upper
43	100		
58	45.5	13.1	53.1

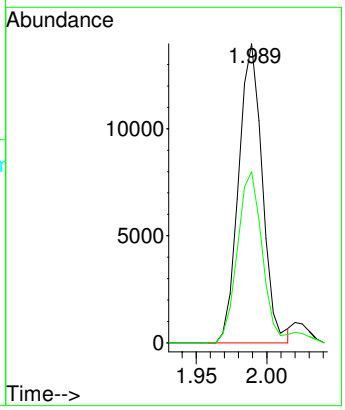


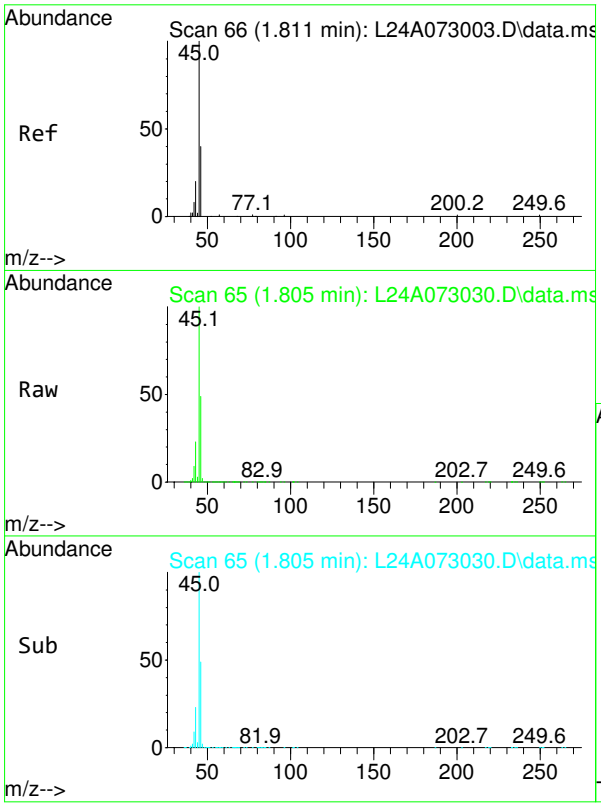


#12
TRICHLOROFLUOROMETHANE
Concen: 0.35 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:101 Resp: 16366

Ion	Ratio	Lower	Upper
101	100		
103	59.6	44.7	84.7

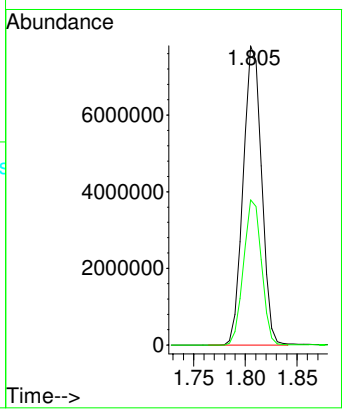


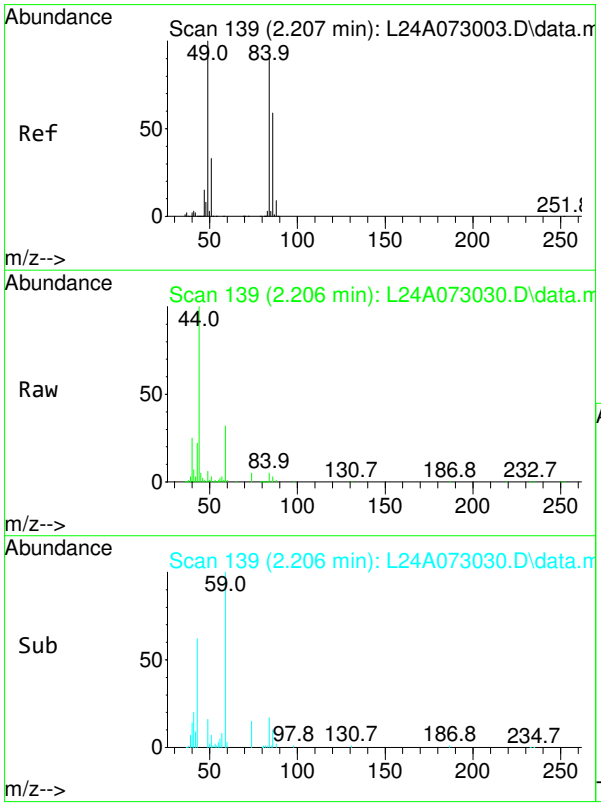


#13
ETHANOL
Concen: 2162.71 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 45 Resp: 9673643

Ion	Ratio	Lower	Upper
45	100		
46	47.4	20.5	60.5

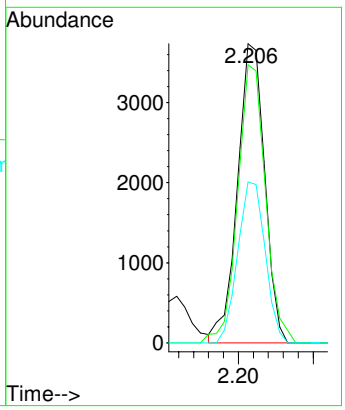


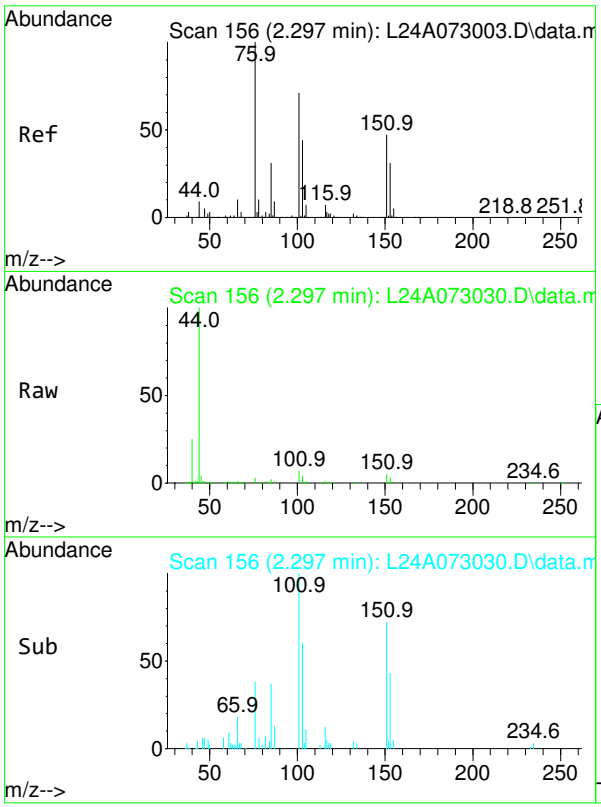


#15
METHYLENE CHLORIDE
Concen: 0.21 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 49 Resp: 4705

Ion	Ratio	Lower	Upper
49	100		
84	94.8	52.0	92.0#
86	54.2	27.3	67.3

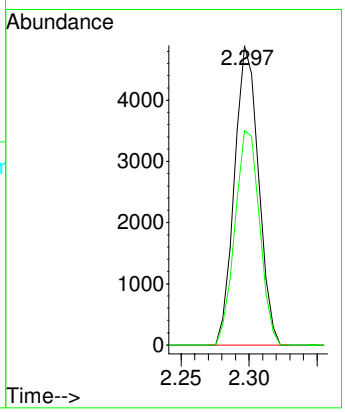


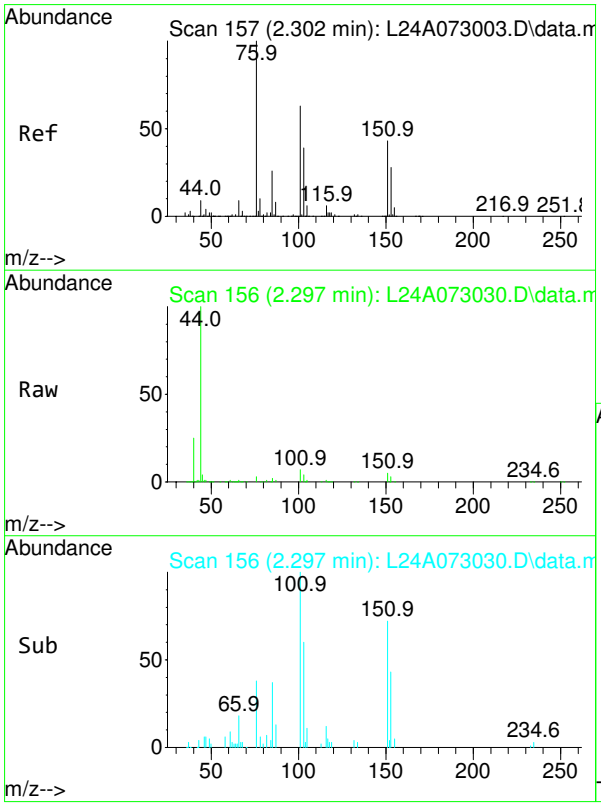


#16
FREON 113
Concen: 0.16 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:101 Resp: 6018

Ion	Ratio	Lower	Upper
101	100		
151	73.6	52.3	92.3

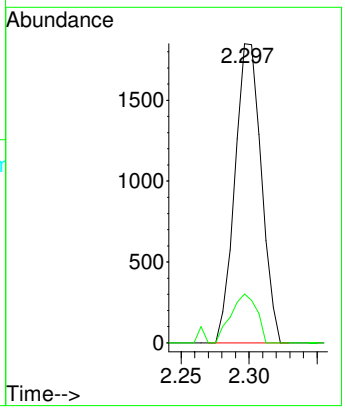


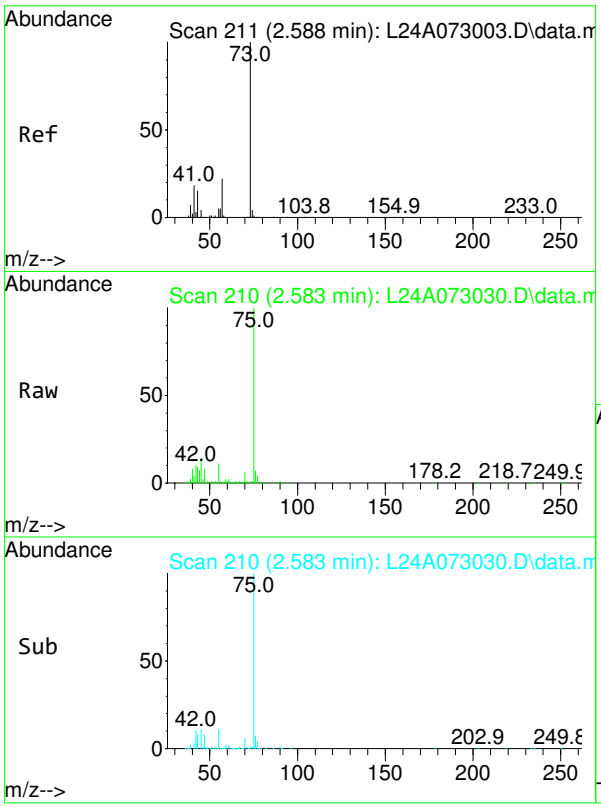


#17
CARBON DISULFIDE
Concen: 0.05 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 76 Resp: 2501

Ion	Ratio	Lower	Upper
76	100		
78	16.0	0.0	31.1

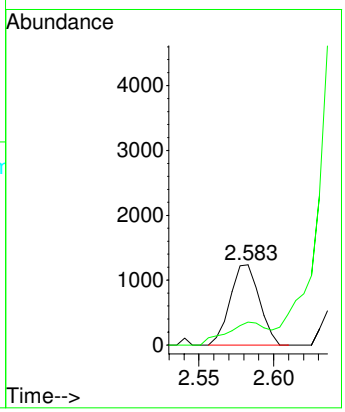


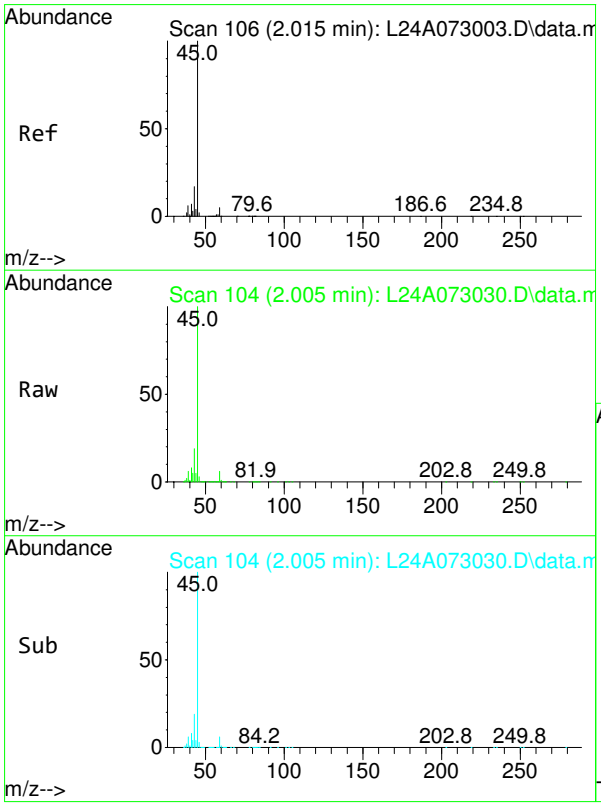


#20
MTBE
Concen: 0.03 PPBV
RT: 2.583 min Scan# 210
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 73 Resp: 1681

Ion	Ratio	Lower	Upper
73	100		
57	40.5	4.6	44.6

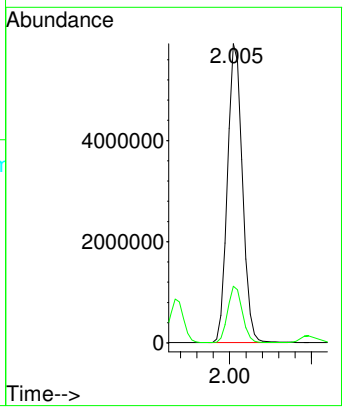


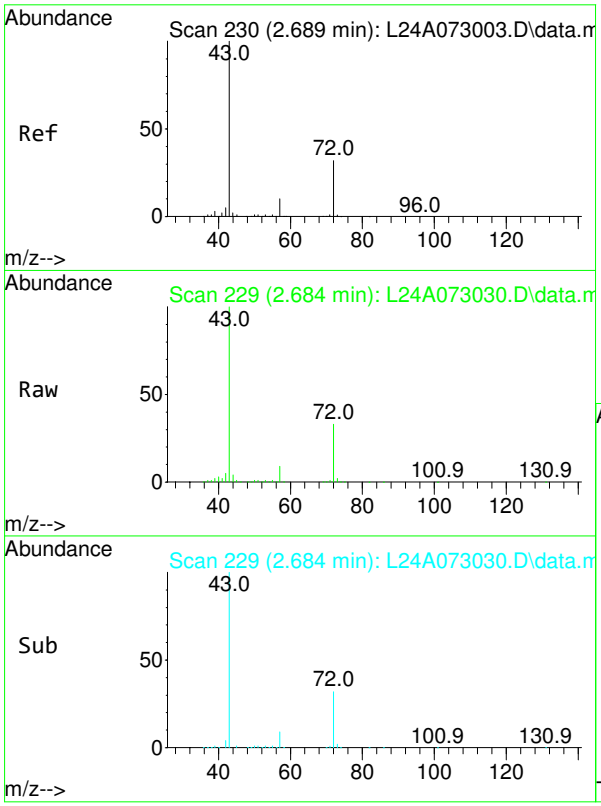


#21
IPA
Concen: 246.41 PPBV
RT: 2.005 min Scan# 104
Delta R.T. -0.008 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 45 Resp: 7511704

Ion	Ratio	Lower	Upper
45	100		
43	18.5	0.0	39.3

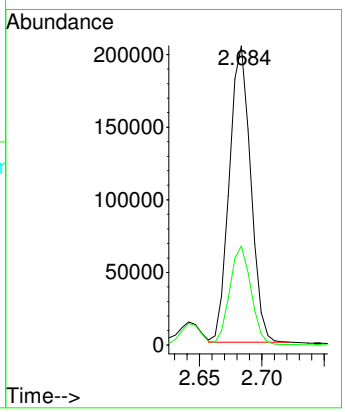


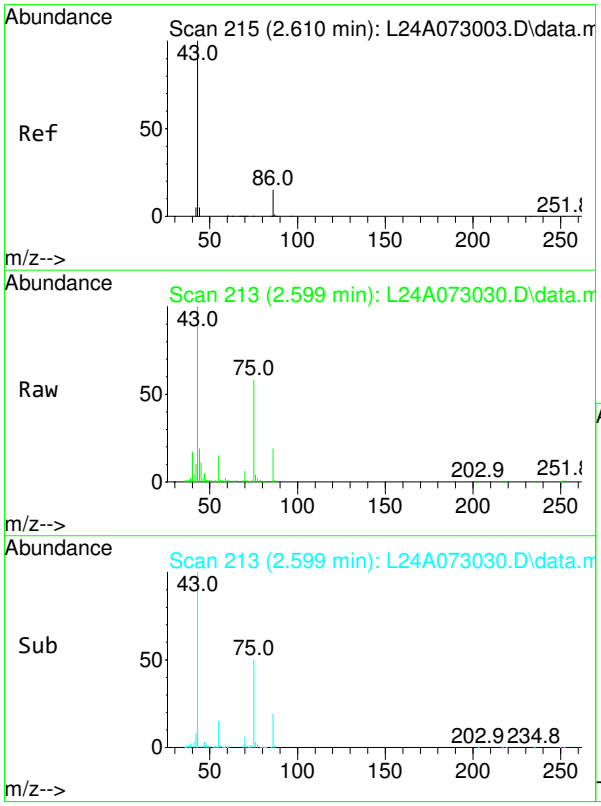


#22
2-BUTANONE(MEK)
Concen: 6.79 PPBV
RT: 2.684 min Scan# 229
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 242373

Ion	Ratio	Lower	Upper
43	100		
72	32.8	5.6	45.6

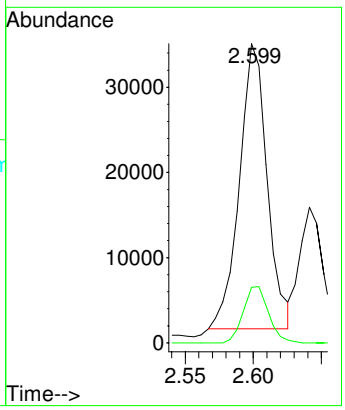


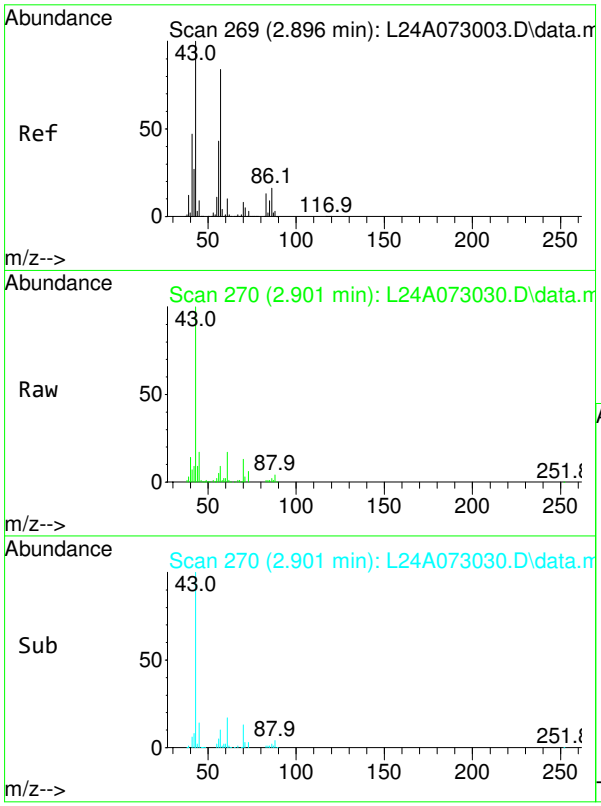


#24
VINYL ACETATE
Concen: 1.26 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 47526

Ion	Ratio	Lower	Upper
43	100		
86	18.0	0.0	19.5

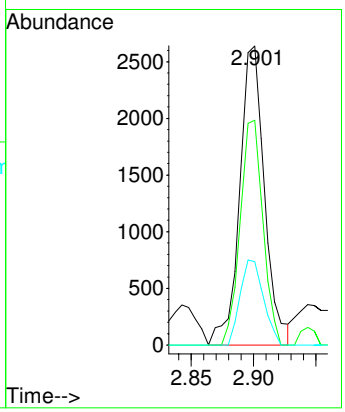


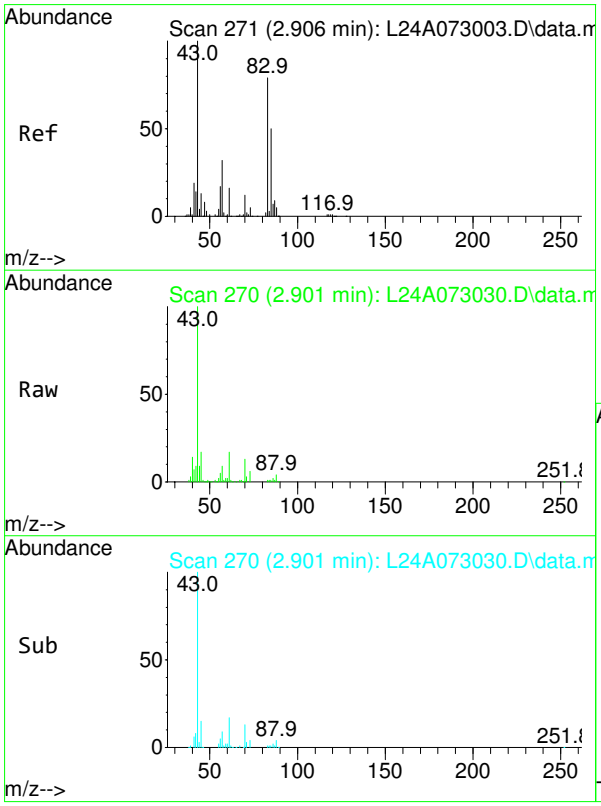


#25
HEXANE
Concen: 0.19 PPBV
RT: 2.901 min Scan# 270
Delta R.T. 0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 41 Resp: 3668

Ion	Ratio	Lower	Upper
41	100		
56	68.6	52.3	92.3
86	26.6	16.1	36.1

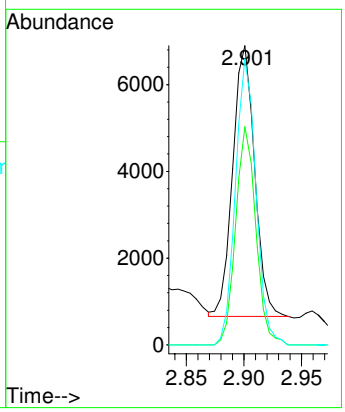


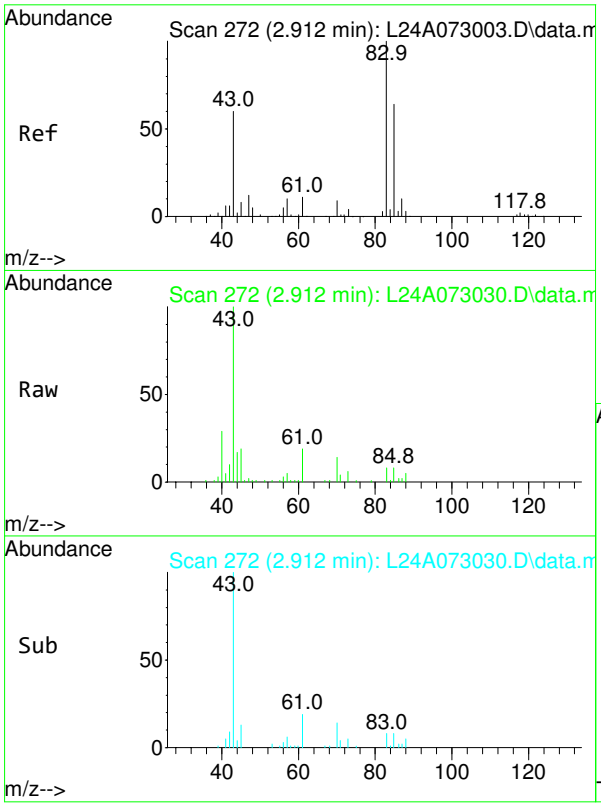


#26
ETHYL ACETATE
Concen: 1.33 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 45 Resp: 8205

Ion	Ratio	Lower	Upper
45	100		
70	73.9	68.8	108.8
61	99.0	83.3	123.3

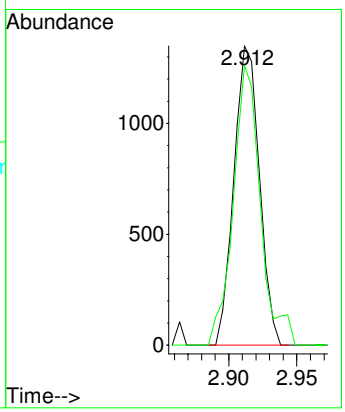


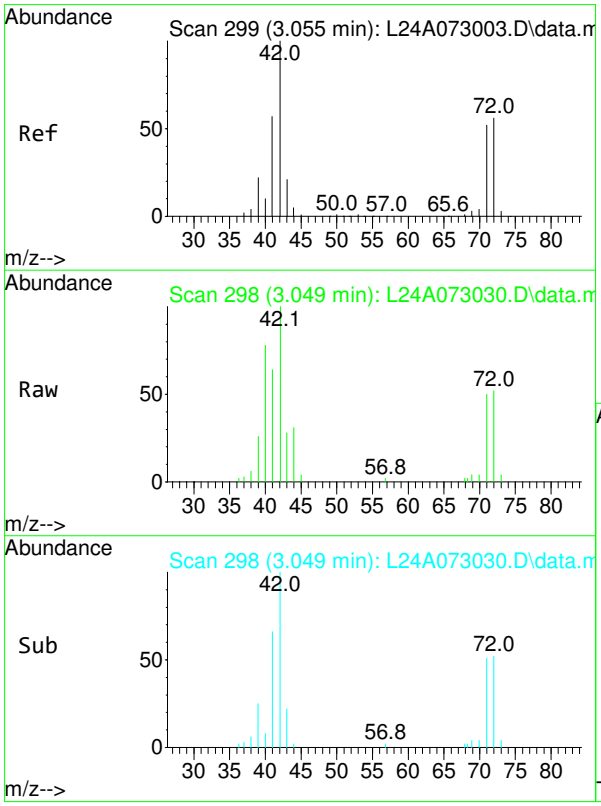


#27
CHLOROFORM
Concen: 0.05 PPBV
RT: 2.912 min Scan# 272
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 83 Resp: 1761

Ion	Ratio	Lower	Upper
83	100		
85	99.5	44.8	84.8#

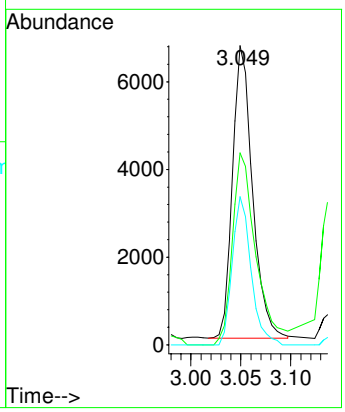


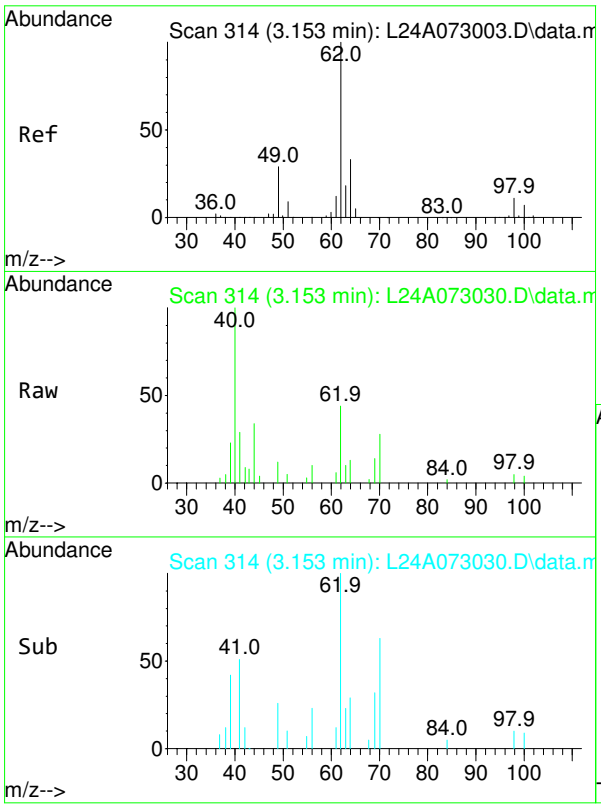


#28
TETRAHYDROFURAN
Concen: 0.39 PPBV
RT: 3.049 min Scan# 298
Delta R.T. -0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 42 Resp: 9289

Ion	Ratio	Lower	Upper
42	100		
41	77.2	33.5	73.5#
71	47.5	24.0	64.0

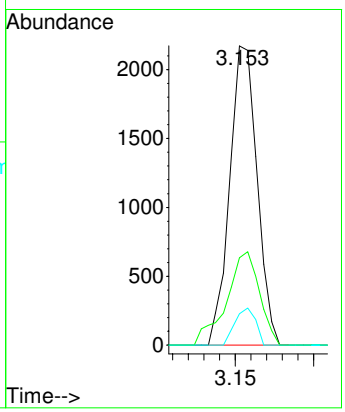


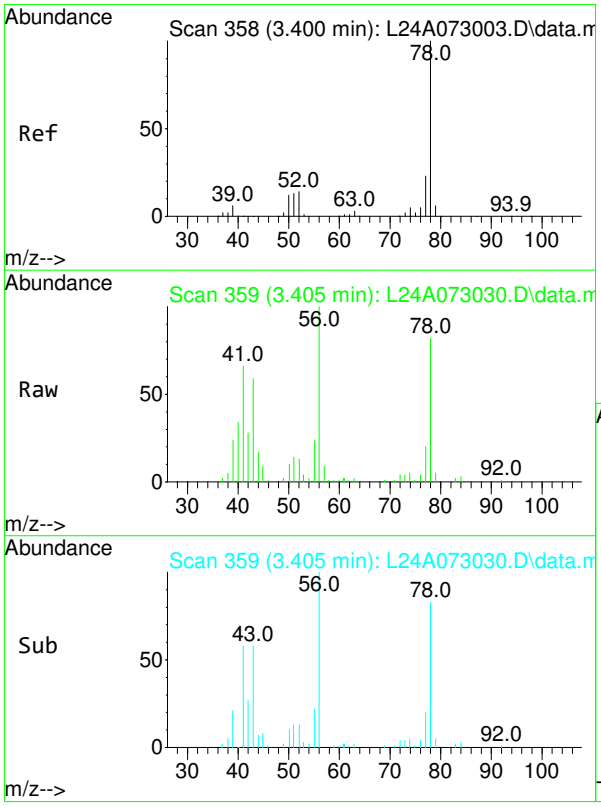


#29
1,2-DICHLOROETHANE
Concen: 0.10 PPBV
RT: 3.153 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 62 Resp: 2600

Ion	Ratio	Lower	Upper
62	100		
64	36.3	13.0	53.0
98	9.4	0.0	19.3

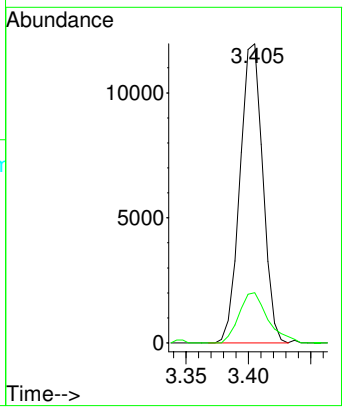


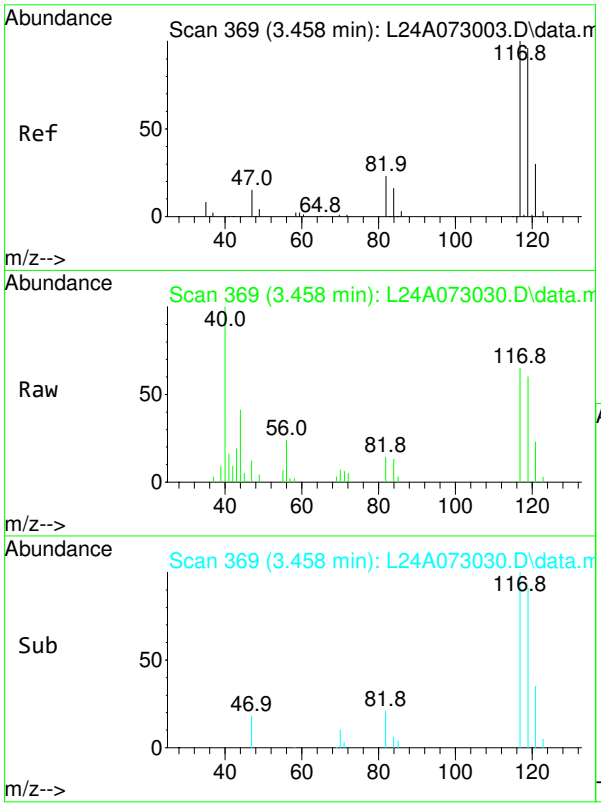


#32
BENZENE
Concen: 0.27 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 78 Resp: 15180

Ion	Ratio	Lower	Upper
78	100		
51	21.1	0.0	37.7

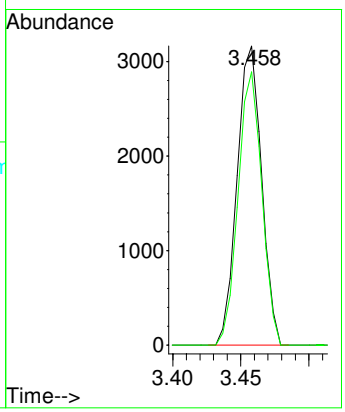


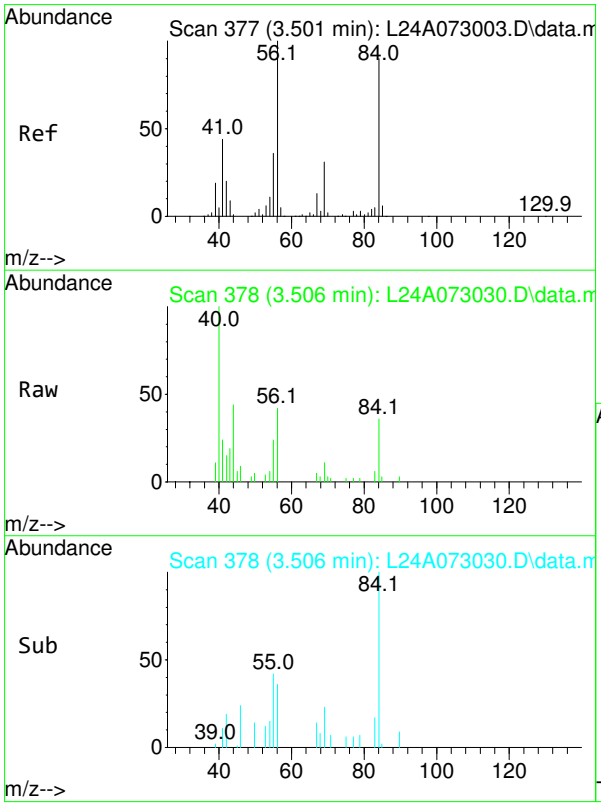


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:117 Resp: 3960

Ion	Ratio	Lower	Upper
117	100		
119	88.4	75.3	115.3

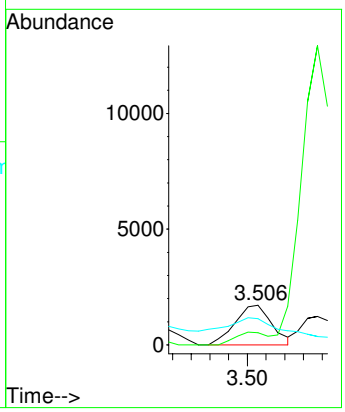


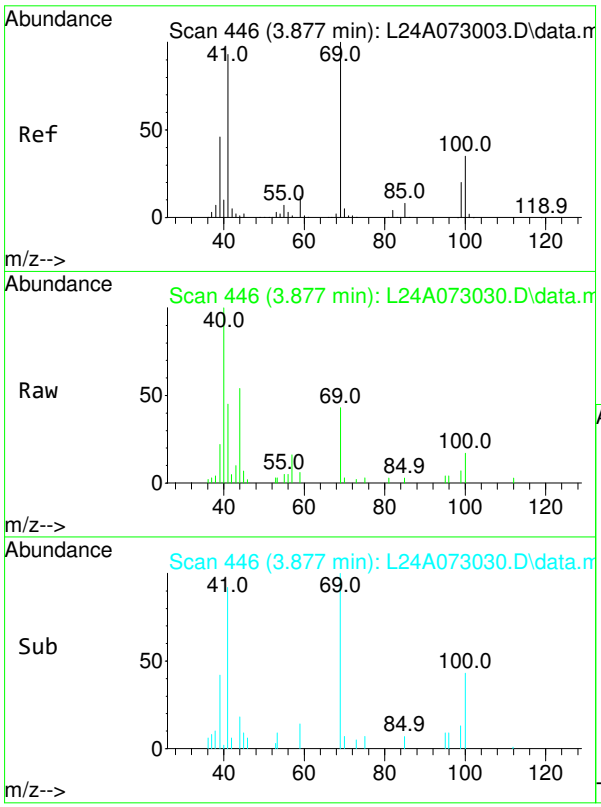


#34
CYCLOHEXANE
Concen: 0.10 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 84 Resp: 2327

Ion	Ratio	Lower	Upper
84	100		
69	27.8	17.7	57.7
41	65.5	44.6	84.6

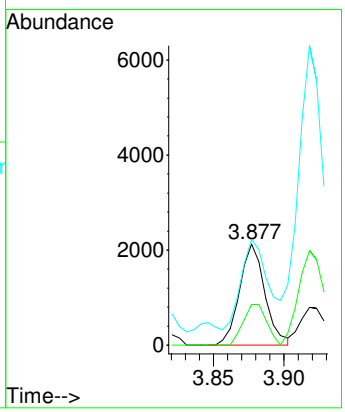


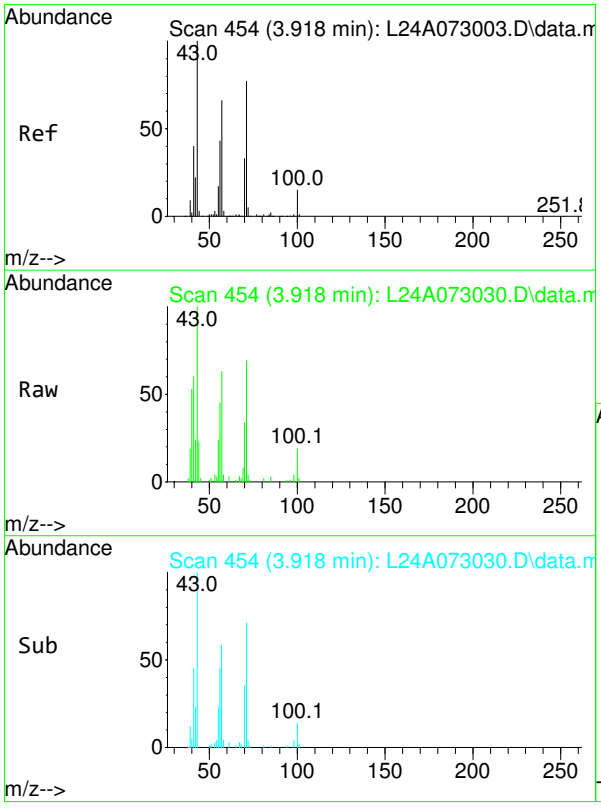


#39
METHYLMETHACRYLATE
Concen: 0.14 PPBV
RT: 3.877 min Scan# 446
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 69 Resp: 2662

Ion	Ratio	Lower	Upper
69	100		
100	37.0	18.0	58.0
41	94.9	102.8	142.8#

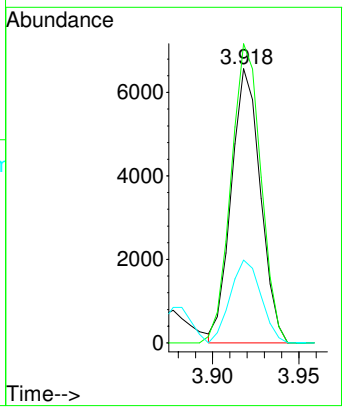


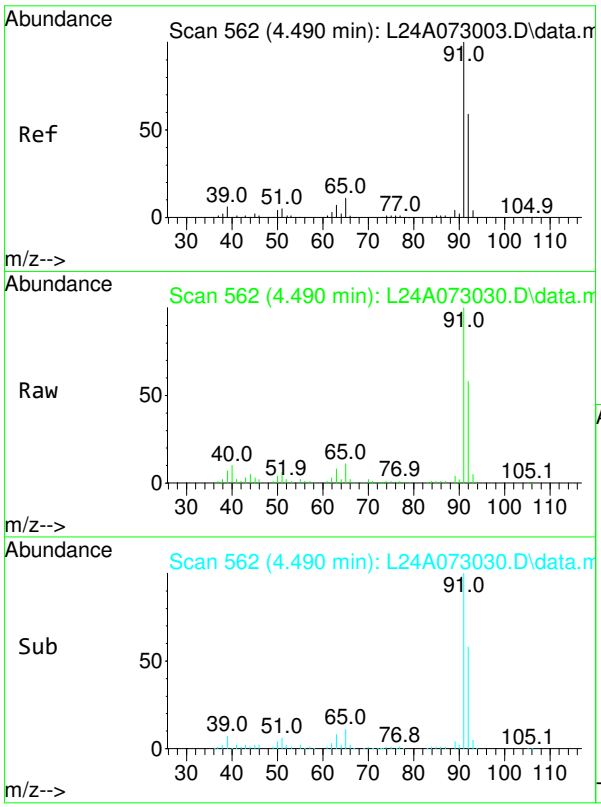


#40
HEPTANE
Concen: 0.44 PPBV
RT: 3.918 min Scan# 454
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 57 Resp: 7733

Ion	Ratio	Lower	Upper
57	100		
71	111.7	87.9	127.9
100	31.9	4.4	44.4

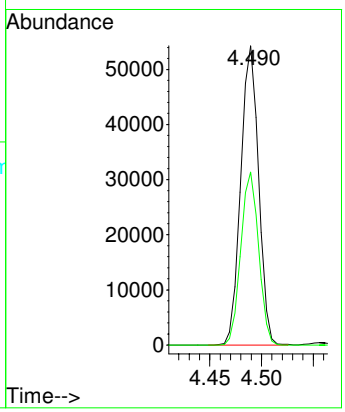


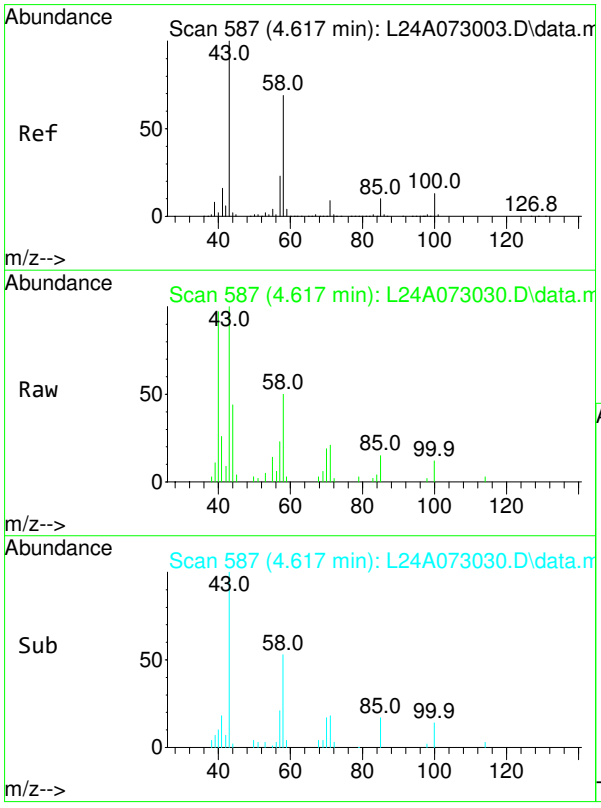


#46
TOLUENE
Concen: 0.97 PPBV
RT: 4.490 min Scan# 562
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 65167

Ion	Ratio	Lower	Upper
91	100		
92	57.7	39.1	79.1

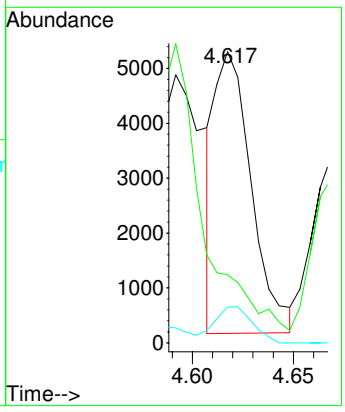


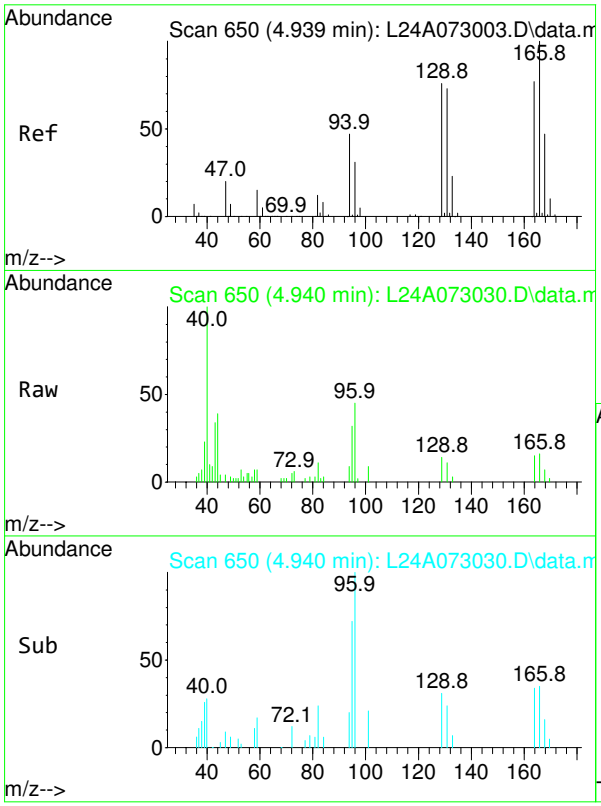


#47
2-HEXANONE(MBK)
Concen: 0.15 PPBV m
RT: 4.617 min Scan# 587
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 6434

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	39.5
100	13.3	1.7	21.7

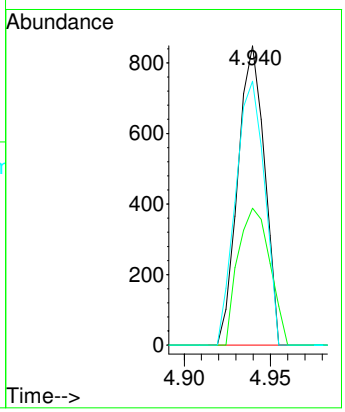


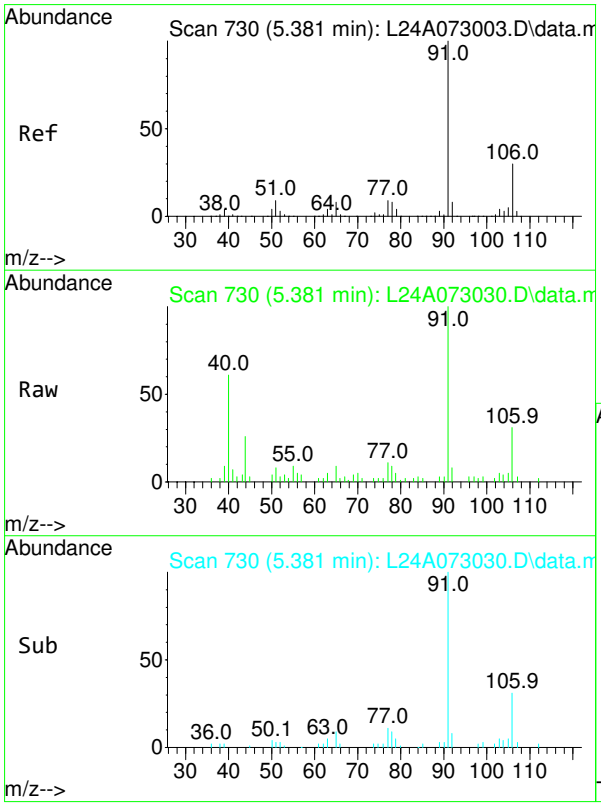


#50
TETRACHLOROETHENE
Concen: 0.03 PPBV
RT: 4.940 min Scan# 650
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:166 Resp: 915

Ion	Ratio	Lower	Upper
166	100		
168	54.9	28.8	68.8
129	95.3	56.6	96.6

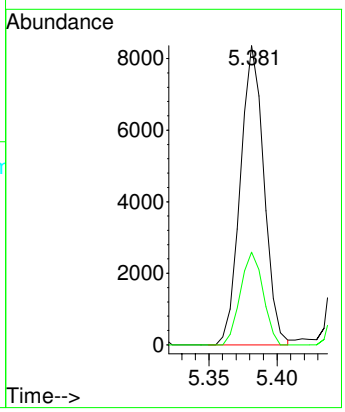


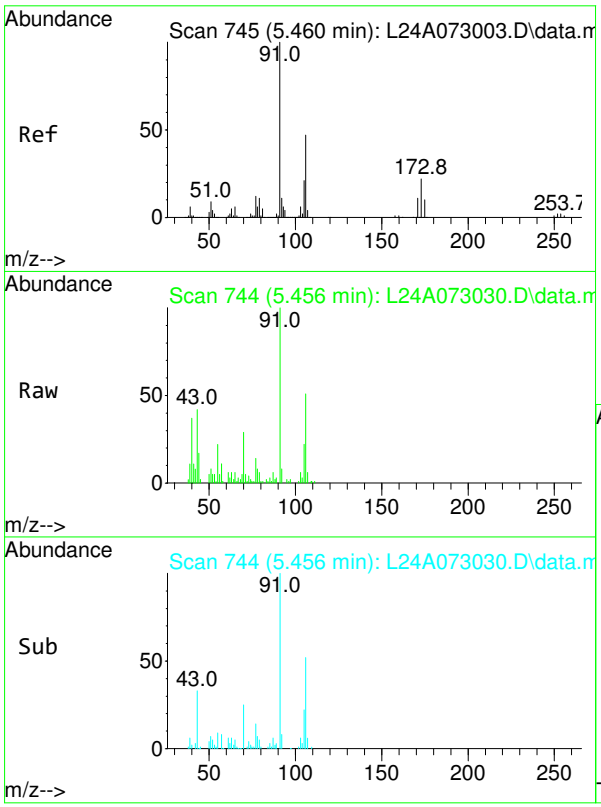


#52
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 5.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 10113

Ion	Ratio	Lower	Upper
91	100		
106	29.8	10.1	50.1

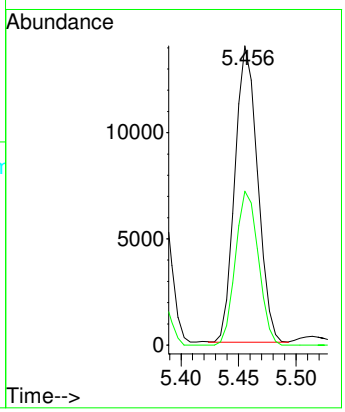


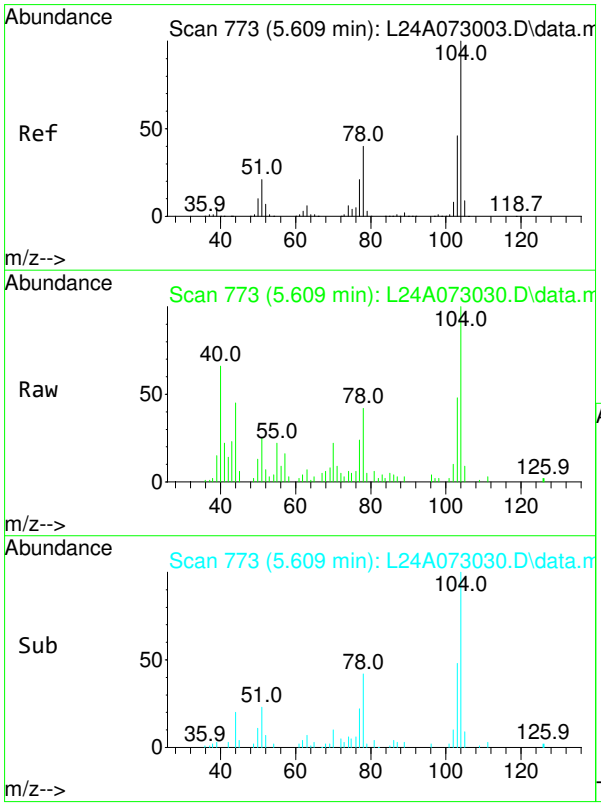


#53
M/P-XYLENE
Concen: 0.27 PPBV
RT: 5.456 min Scan# 744
Delta R.T. -0.012 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 19057

Ion	Ratio	Lower	Upper
91	100		
106	52.2	24.9	64.9

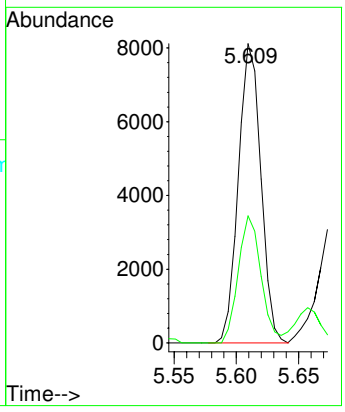


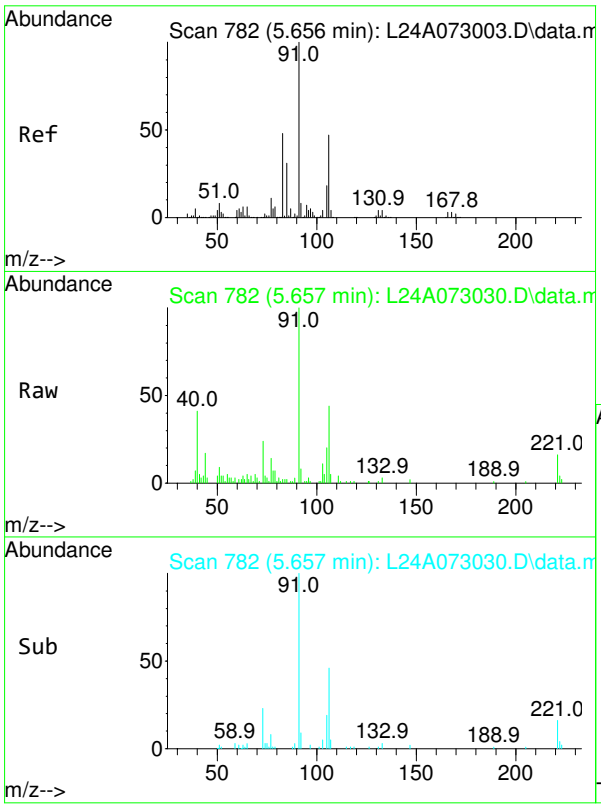


#55
STYRENE
Concen: 0.21 PPBV
RT: 5.609 min Scan# 773
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:104 Resp: 10177

Ion	Ratio	Lower	Upper
104	100		
78	43.1	24.7	64.7

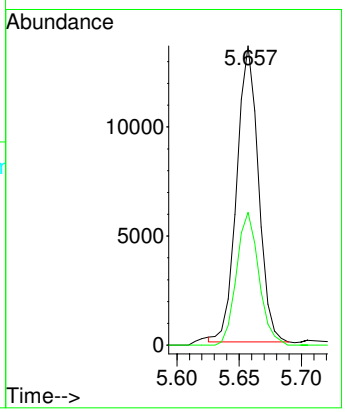


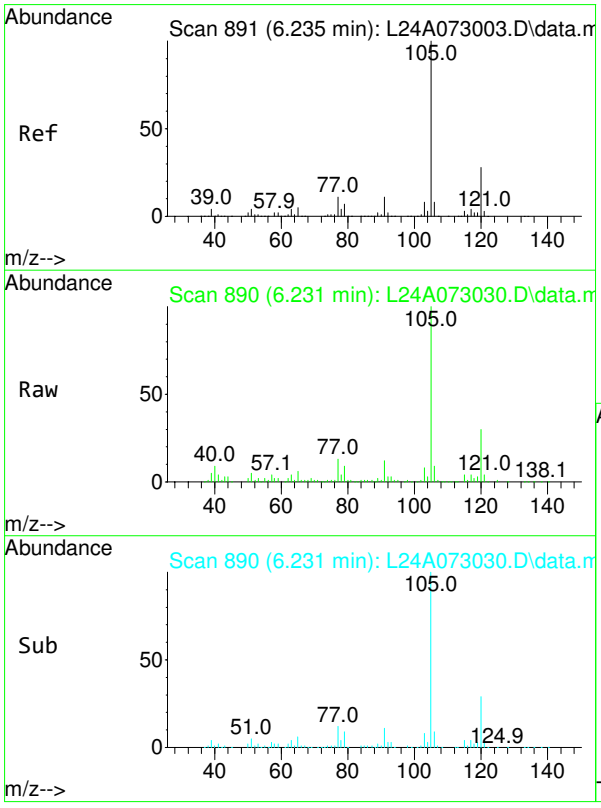


#56
O-XYLENE
Concen: 0.24 PPBV
RT: 5.657 min Scan# 782
Delta R.T. -0.007 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 16387

Ion	Ratio	Lower	Upper
91	100		
106	46.2	25.4	65.4

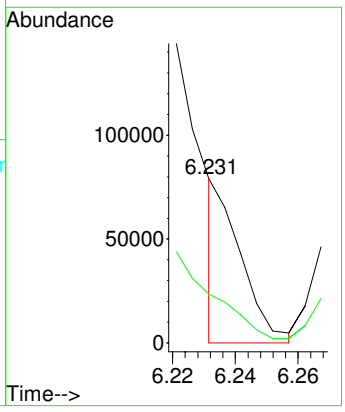


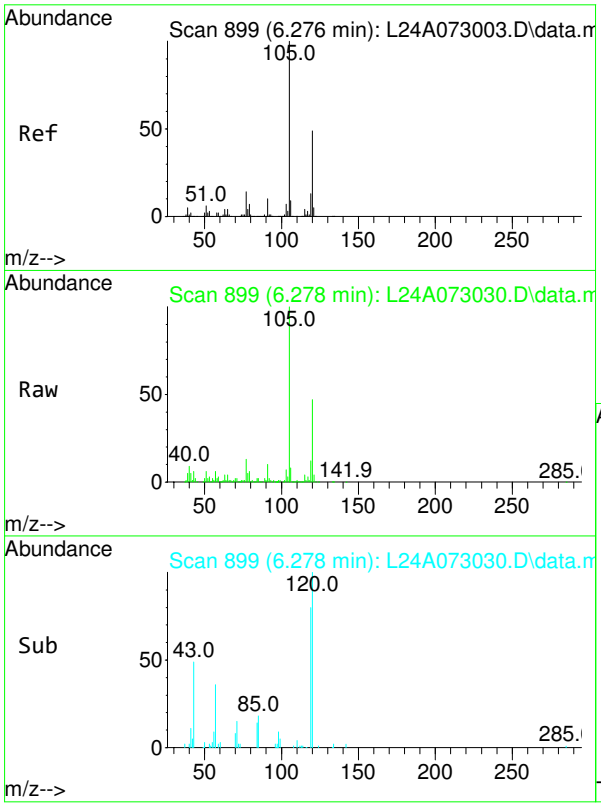


#59
4-ETHYLTOLUENE
Concen: 0.47 PPBV m
RT: 6.231 min Scan# 890
Delta R.T. -0.010 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:105 Resp: 42316

Ion	Ratio	Lower	Upper
105	100		
120	180.3	8.8	48.8#

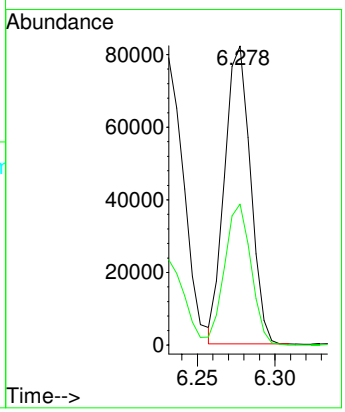


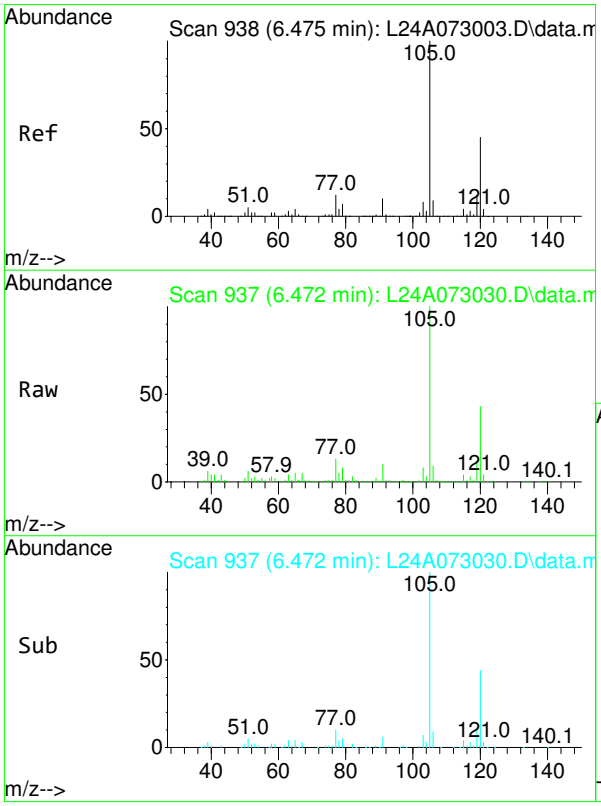


#60
1,3,5-TRIMETHYLBENZENE
Concen: 1.26 PPBV
RT: 6.278 min Scan# 899
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:105 Resp: 95452

Ion	Ratio	Lower	Upper
105	100		
120	48.8	26.9	66.9

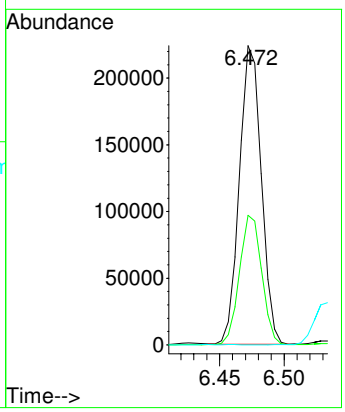


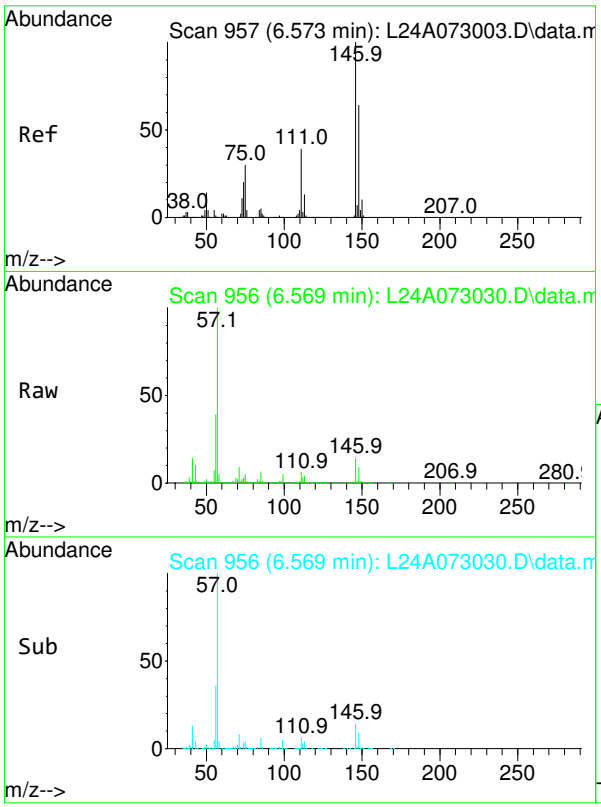


#61
1,2,4-TRIMETHYLBENZENE
Concen: 3.62 PPBV
RT: 6.472 min Scan# 937
Delta R.T. -0.011 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:105 Resp: 264703

Ion	Ratio	Lower	Upper
105	100		
120	44.2	24.0	64.0
207	0.1	0.0	20.0

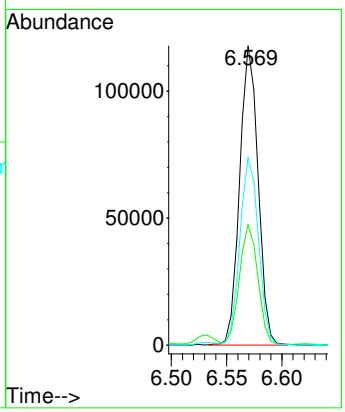


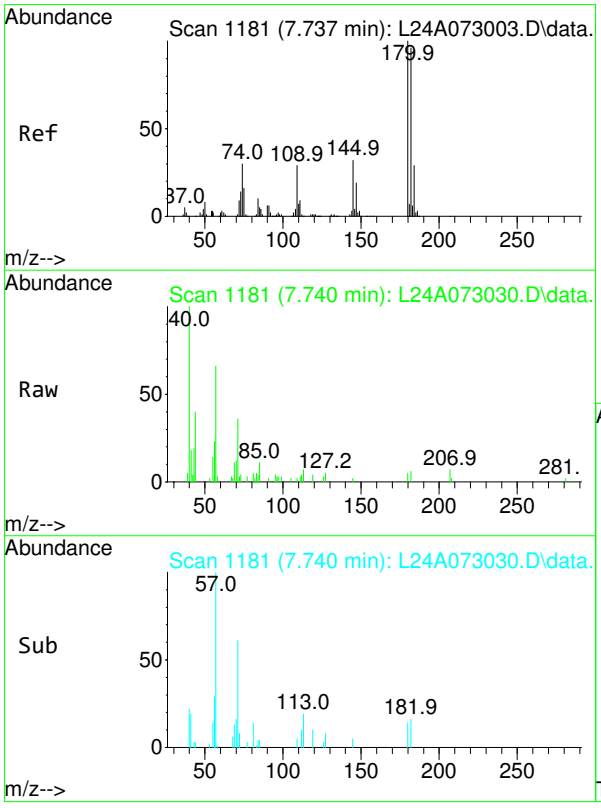


#64
1,4-DICHLOROBENZENE
Concen: 3.27 PPBV
RT: 6.569 min Scan# 956
Delta R.T. -0.008 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:146 Resp: 135951

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	60.5
148	63.3	44.9	84.9

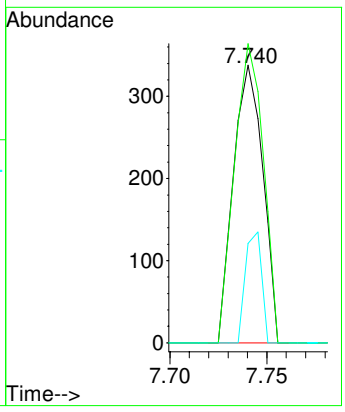


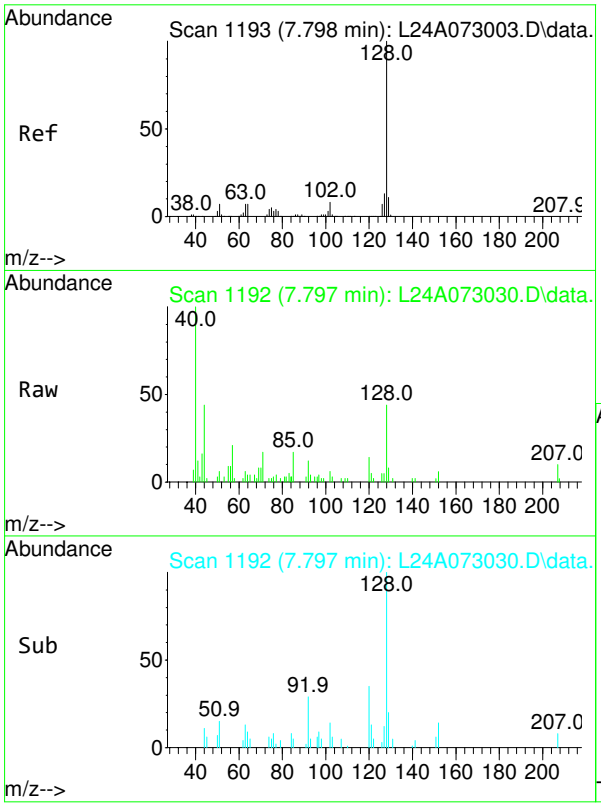


#66
1,2,4-TRICHLOROBENZENE
Concen: 0.01 PPBV
RT: 7.740 min Scan# 1181
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:180 Resp: 357

Ion	Ratio	Lower	Upper
180	100		
182	105.6	72.7	112.7
145	0.0	10.8	50.8#

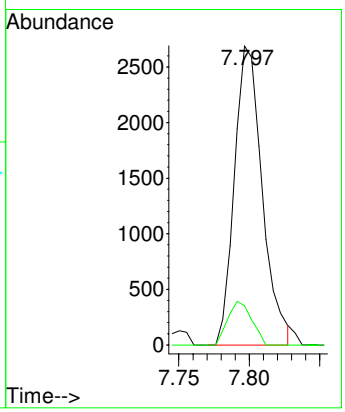


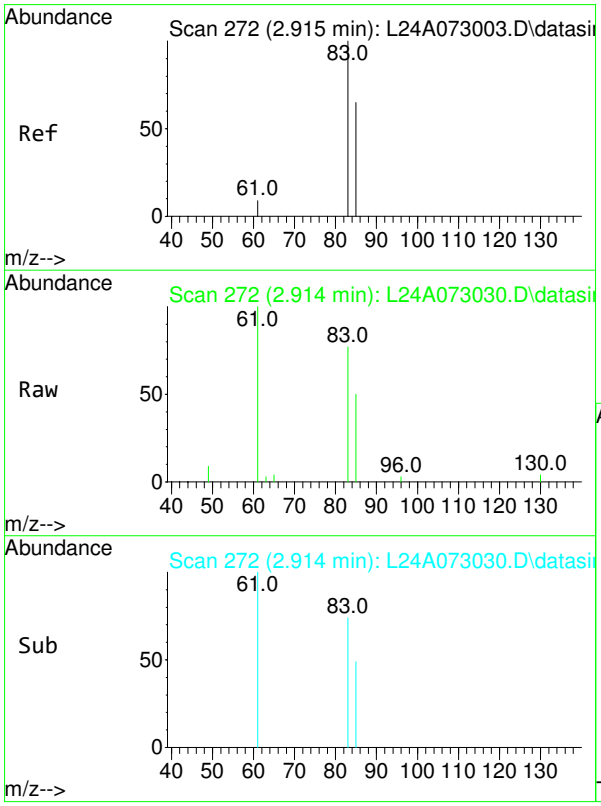


#67
NAPHTHALENE
Concen: 0.05 PPBV
RT: 7.797 min Scan# 1192
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:128 Resp: 3696

Ion	Ratio	Lower	Upper
128	100		
102	12.6	0.0	29.2

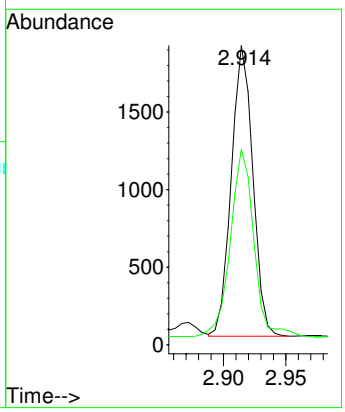


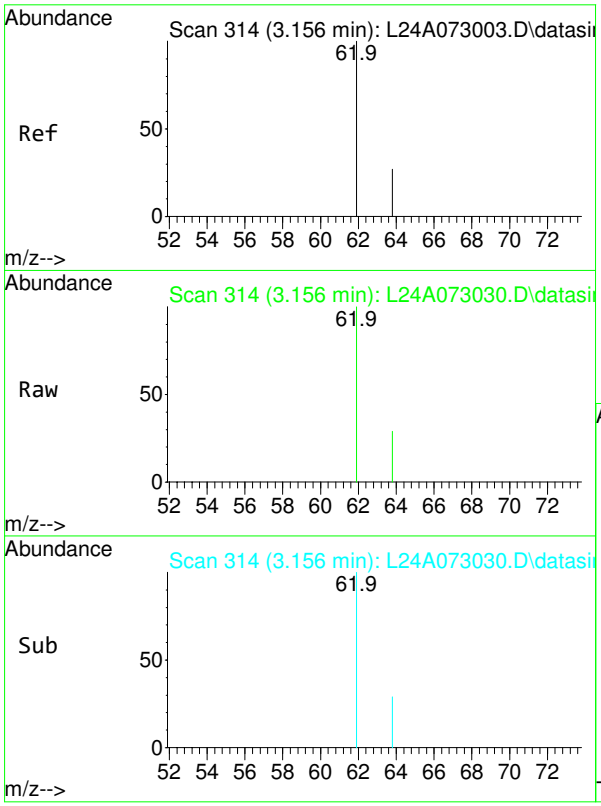


#75
CHLOROFORM (SIM)
Concen: 0.06 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 83 Resp: 2245

Ion	Ratio	Lower	Upper
83	100		
85	69.8	45.0	85.0

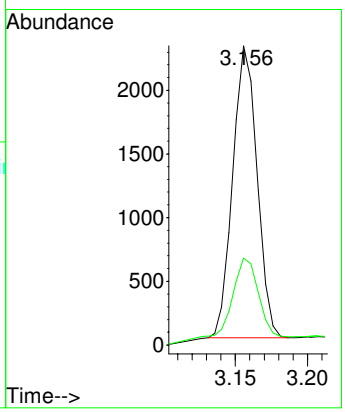


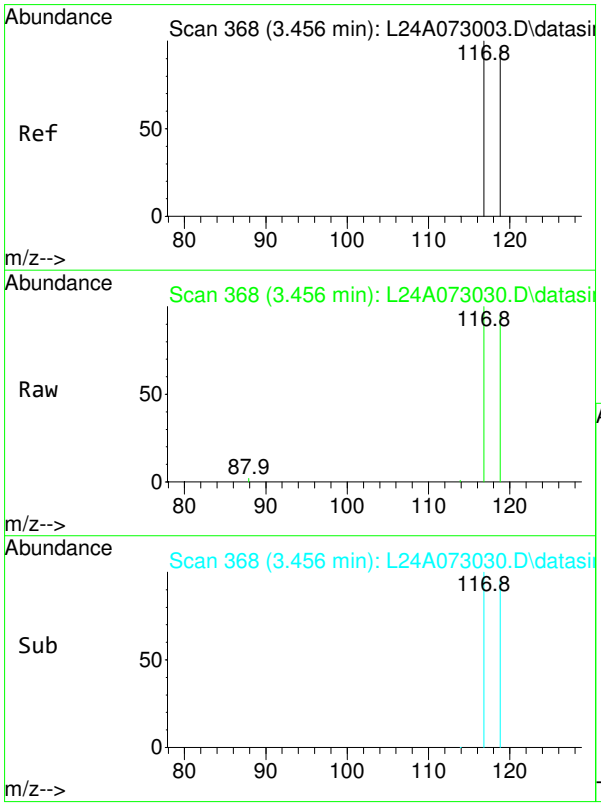


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.10 PPBV
RT: 3.156 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 62 Resp: 2645

Ion	Ratio	Lower	Upper
62	100		
64	27.5	7.0	47.0

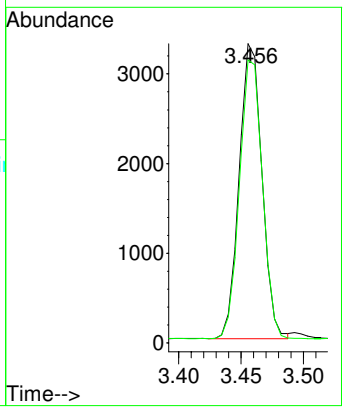


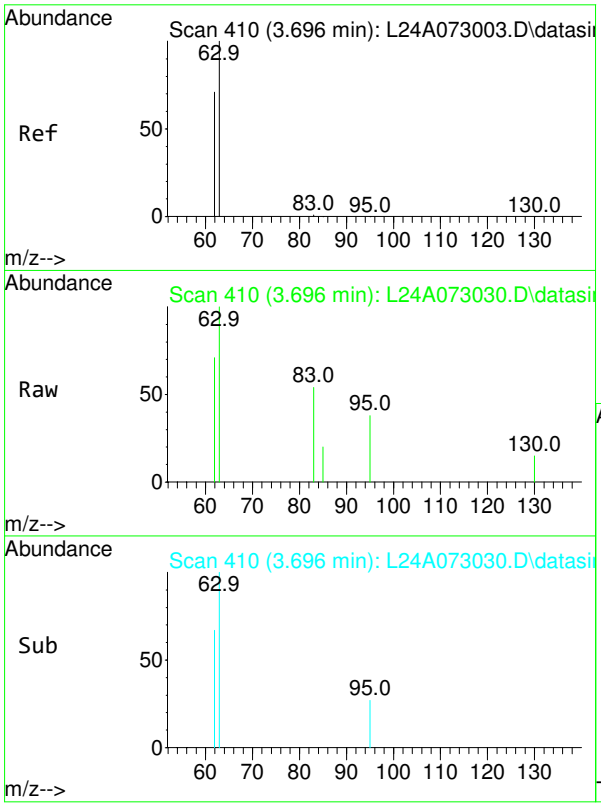


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.456 min Scan# 368
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:117 Resp: 4182

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	116.3

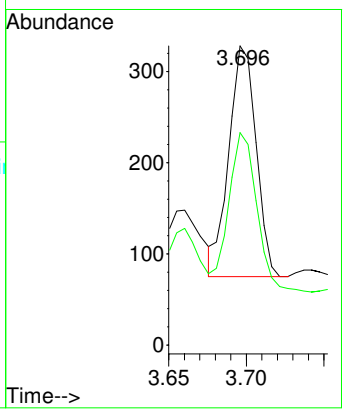




#79
1,2-DICHLOROPROPANE (SIM)
Concen: 0.01 PPBV
RT: 3.696 min Scan# 410
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 63 Resp: 308

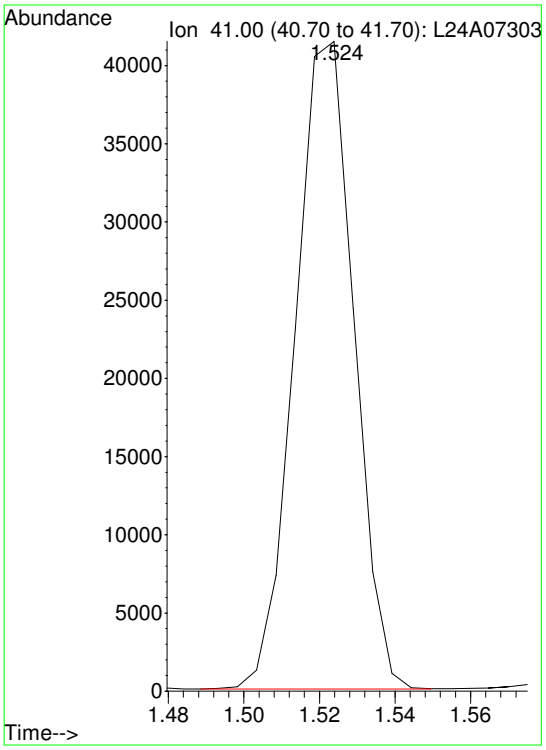
Ion	Ratio	Lower	Upper
63	100		
62	71.1	51.5	91.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

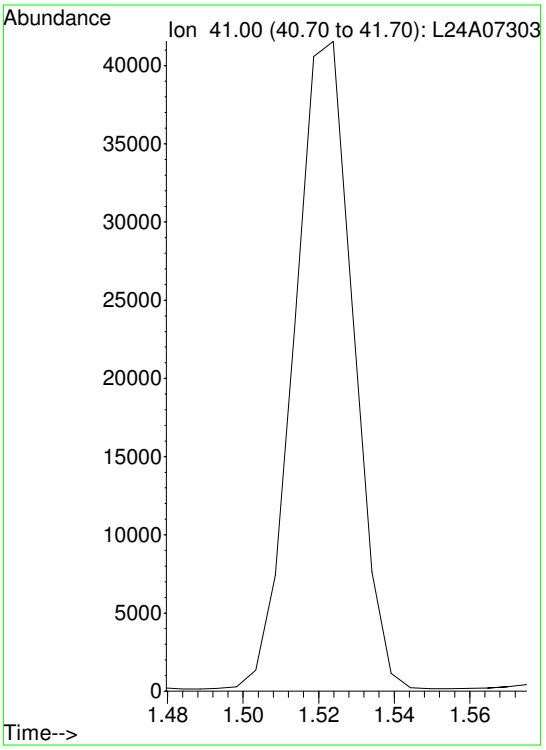
RT : 1.52
Area : 44462
Amount: 4.22568

Manual Int. Results

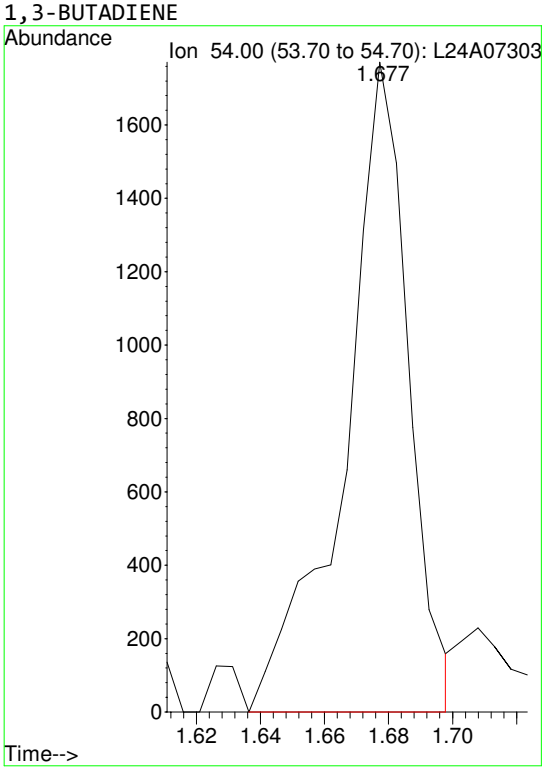
Fri Mar 15 11:10:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

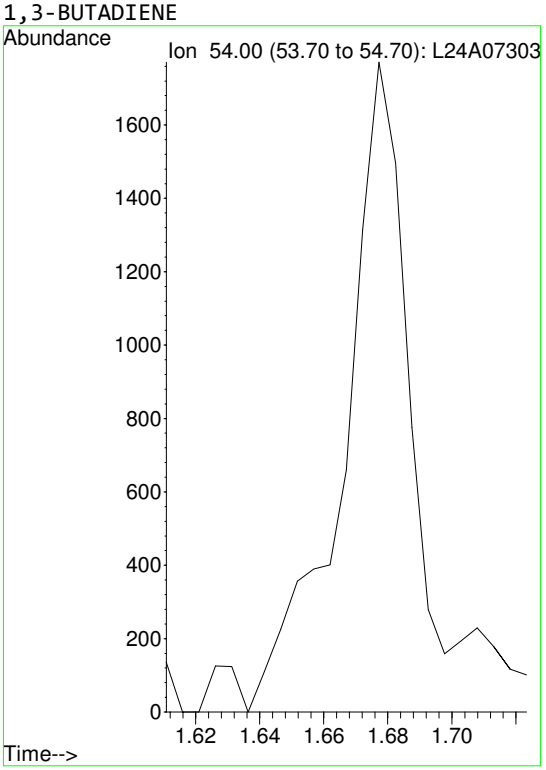
RT : 1.68
Area : 2436
Amount: 0.171186

Manual Int. Results

Fri Mar 15 11:10:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

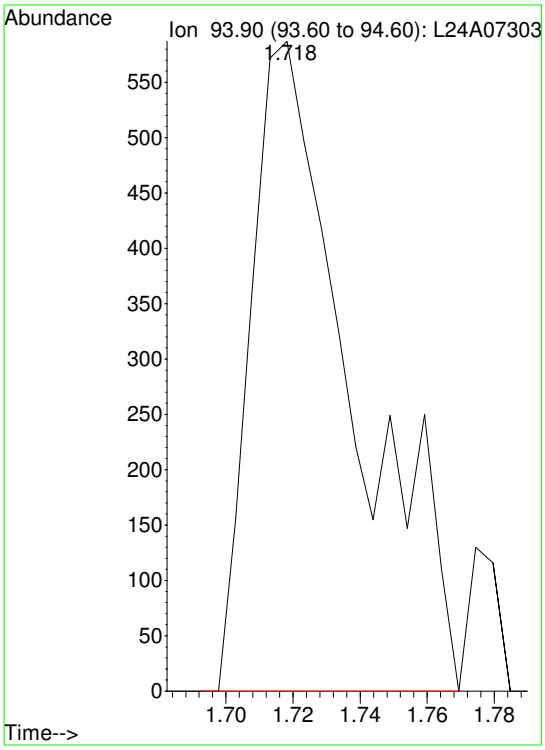
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

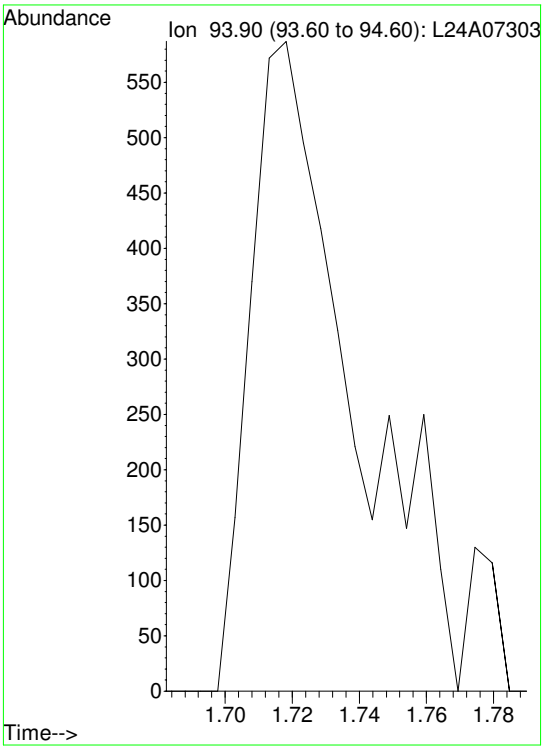
RT : 1.72
Area : 1245
Amount: 0.0764349

Manual Int. Results

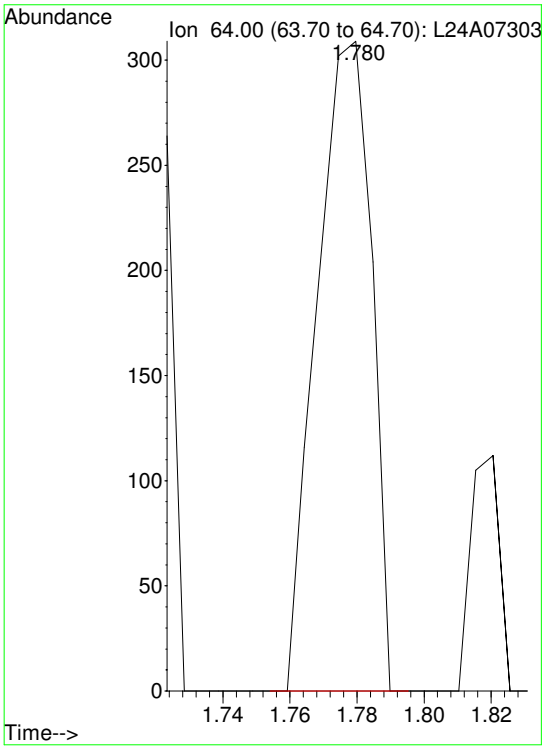
Fri Mar 15 11:11:00 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

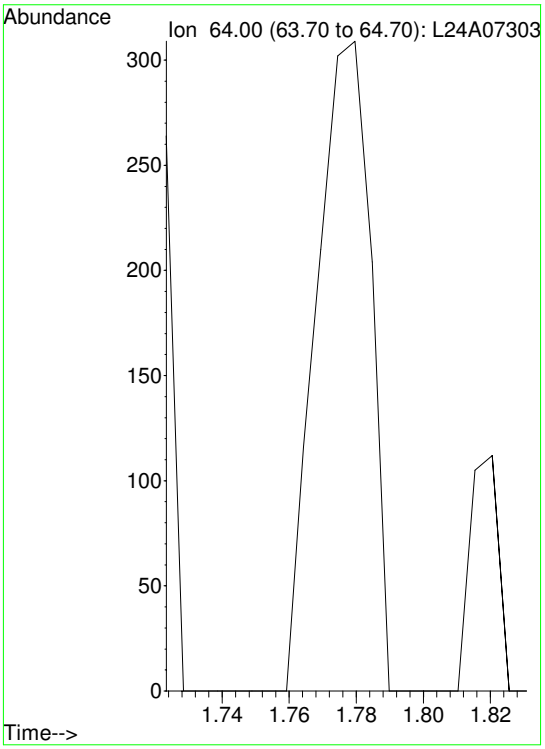
RT : 1.78
Area : 350
Amount: 0.0329226

Manual Int. Results

Fri Mar 15 11:11:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

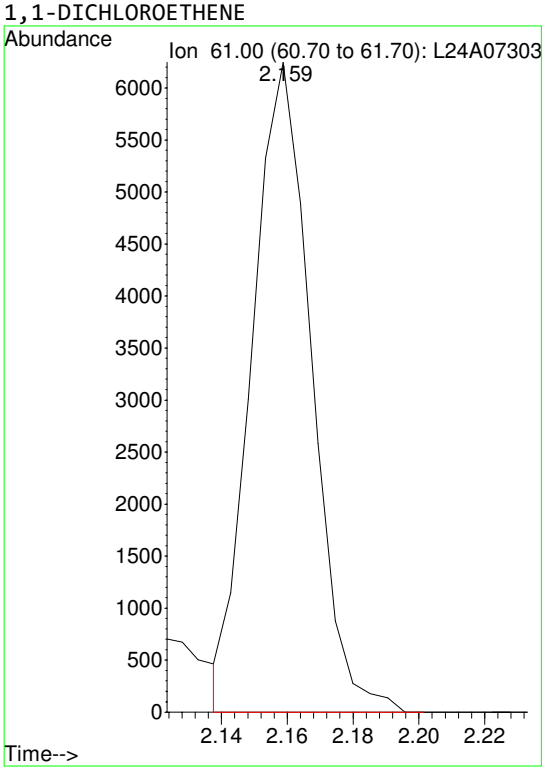
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

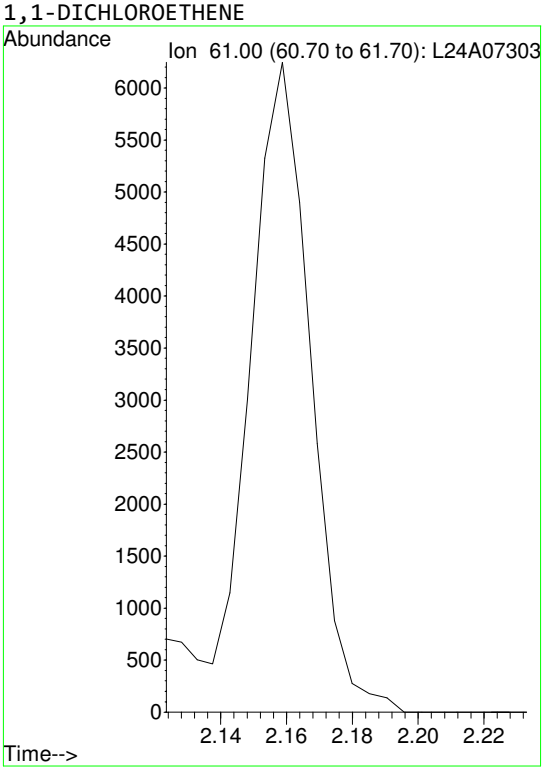
RT : 2.16
Area : 7854
Amount: 0.26987

Manual Int. Results

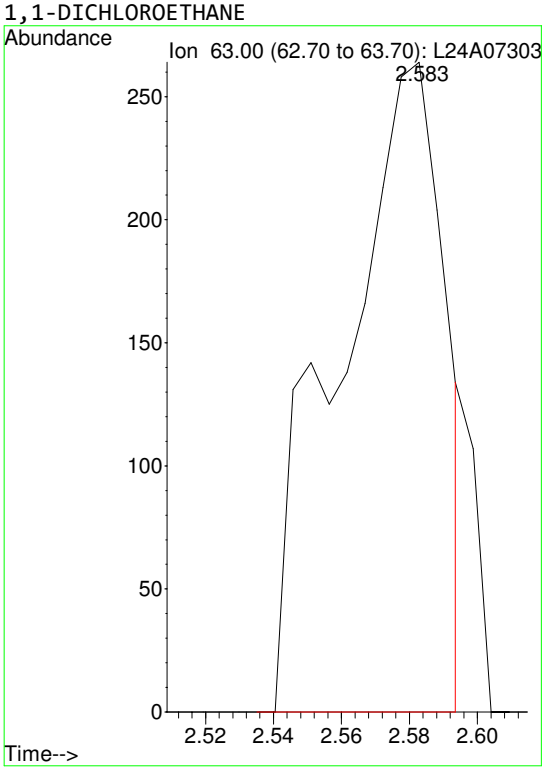
Fri Mar 15 11:11:20 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
1,1-DICHLOROETHANE



Original Int. Results

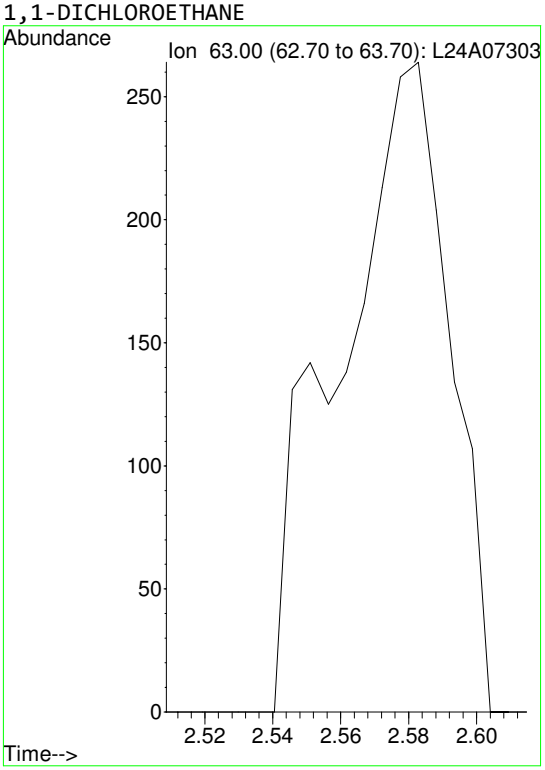
RT : 2.58
Area : 565
Amount: 0.0157113

Manual Int. Results

Fri Mar 15 11:11:27 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

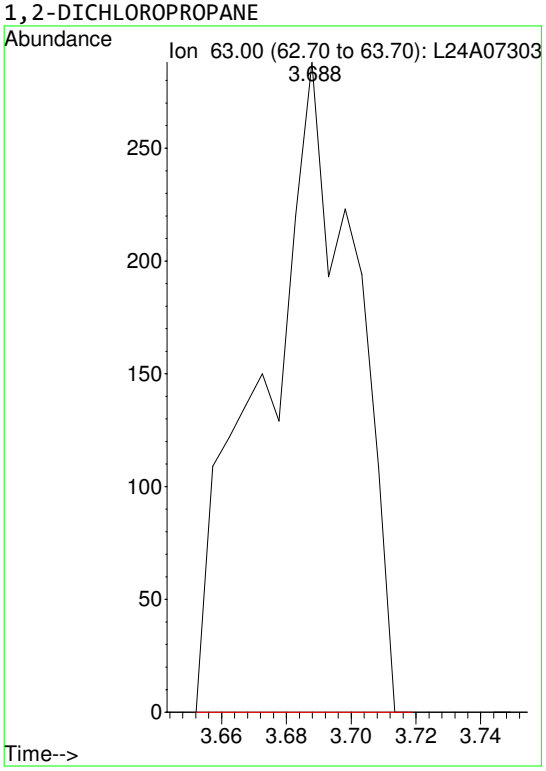
Manual Integration
1,1-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

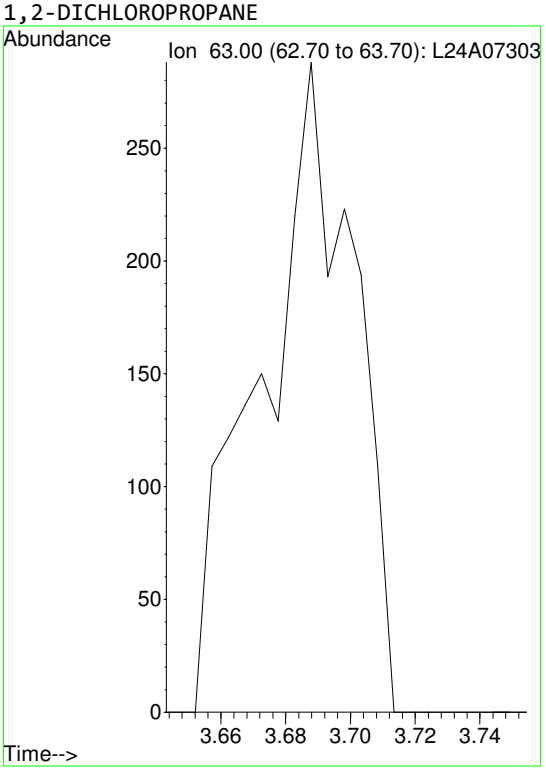
RT : 3.69
Area : 575
Amount: 0.0286984

Manual Int. Results

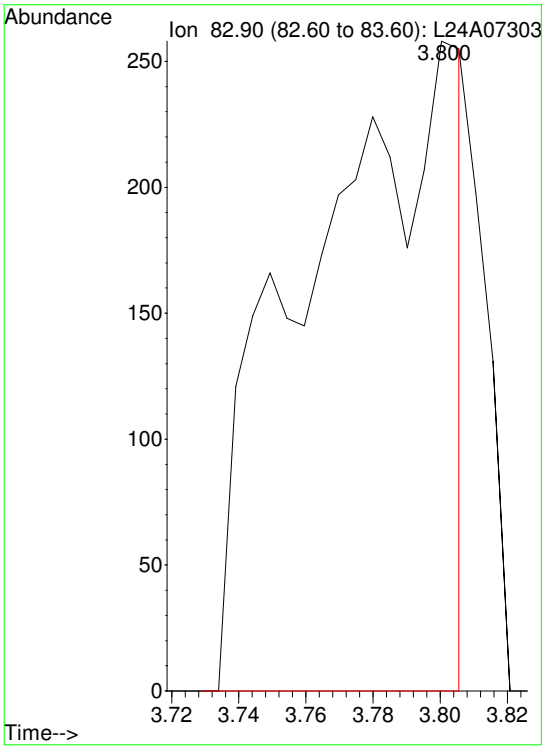
Fri Mar 15 11:11:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

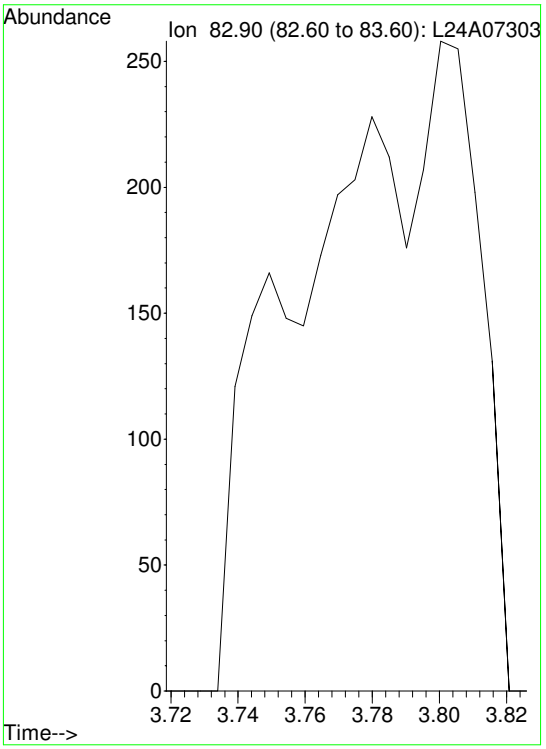
RT : 3.80
Area : 809
Amount: 0.0188718

Manual Int. Results

Fri Mar 15 11:11:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

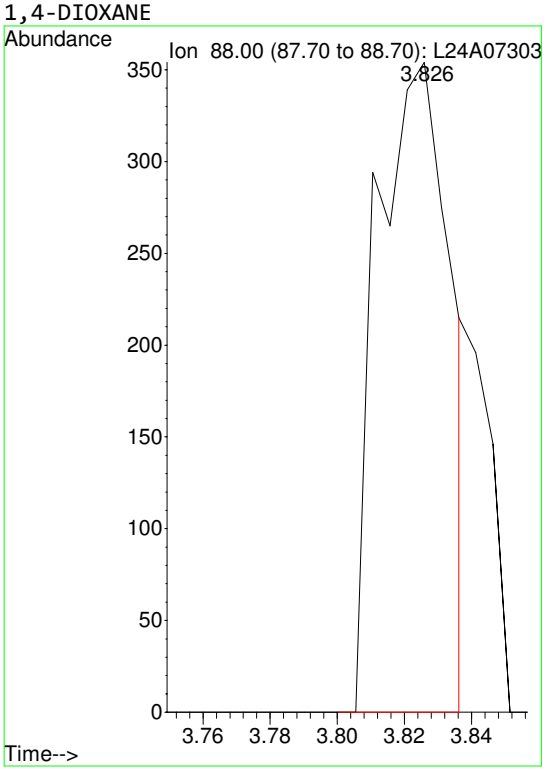
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

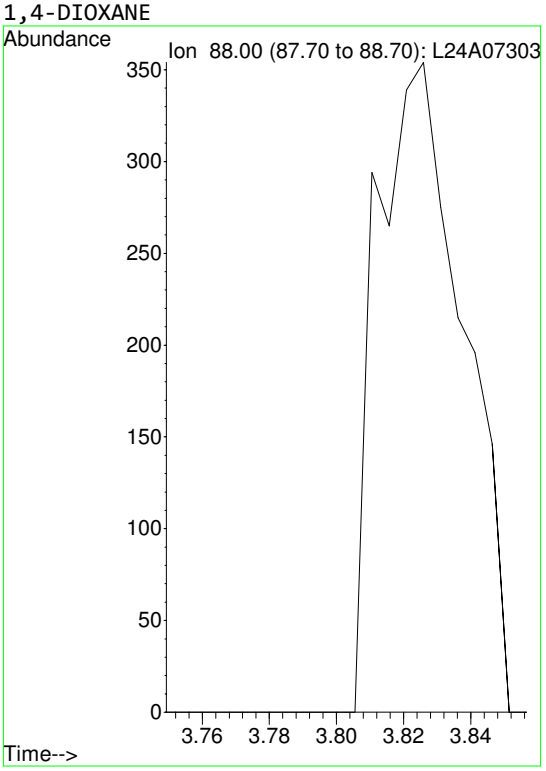
RT : 3.83
Area : 534
Amount: 0.0397896

Manual Int. Results

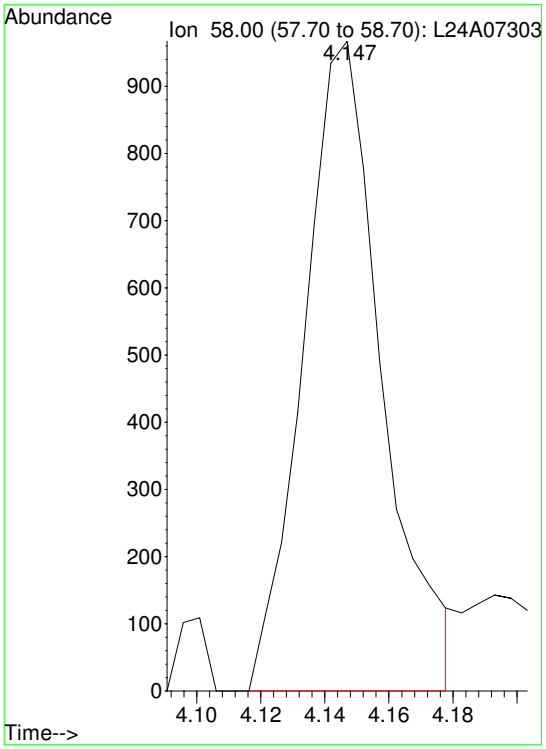
Fri Mar 15 11:11:53 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

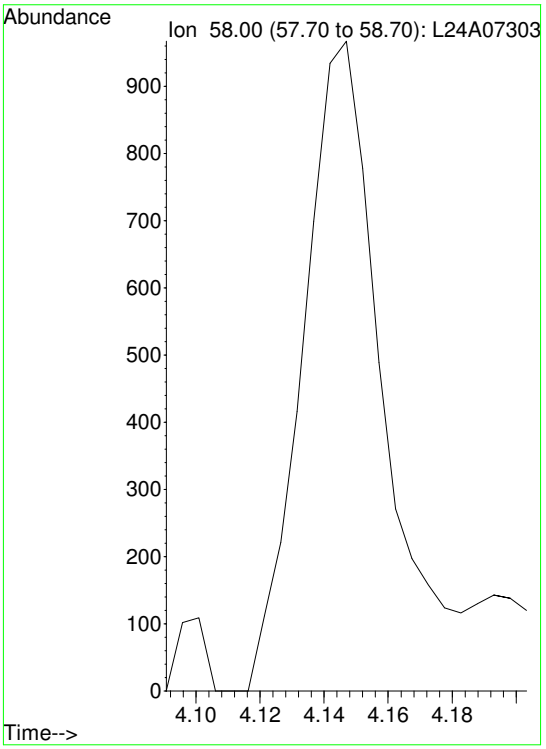
RT : 4.15
Area : 1646
Amount: 0.0885349

Manual Int. Results

Fri Mar 15 11:12:00 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

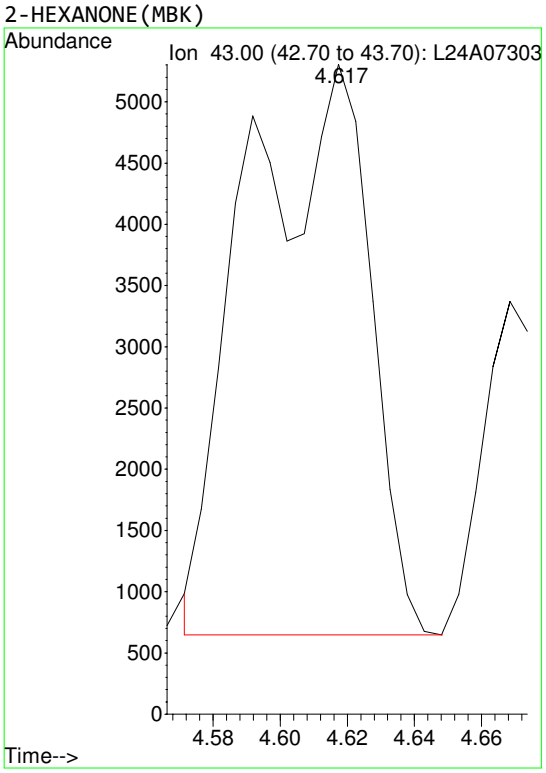
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

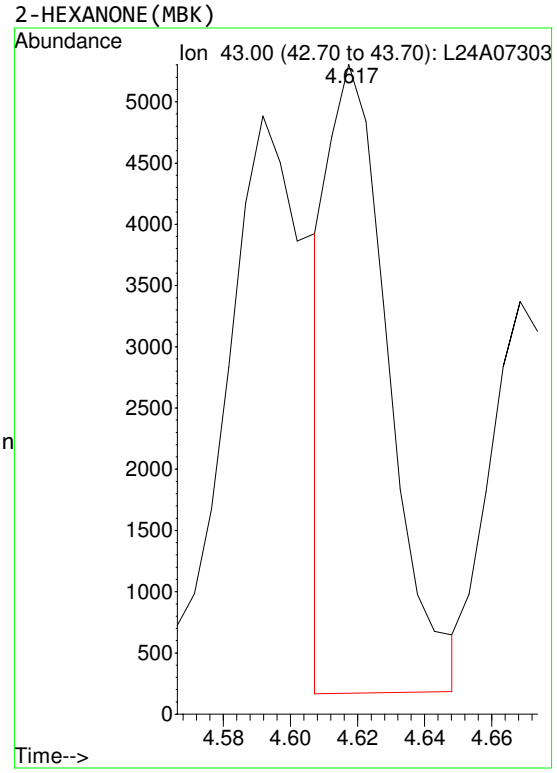
RT : 4.62
Area : 11809
Amount: 0.275052

Manual Int. Results

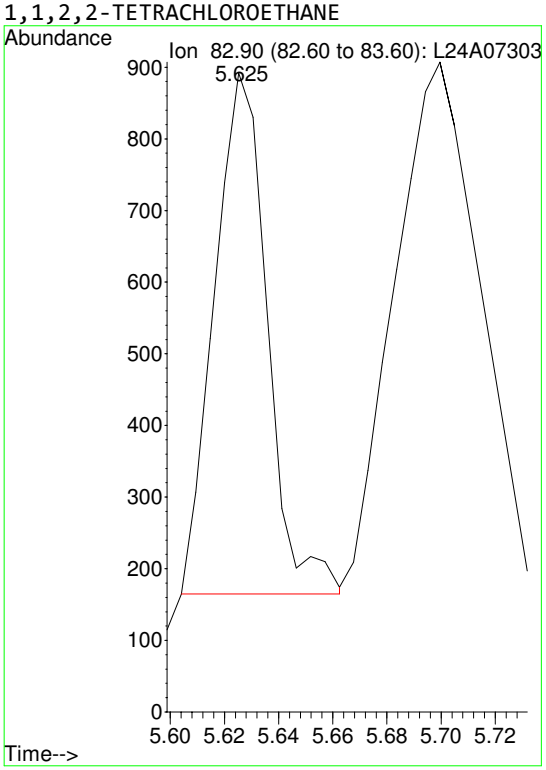
Fri Mar 15 11:12:08 2024

MIuser: TPH
Reason: Incorret Integration
RT : 4.62
Area : 6434
Amount: 0.149859

Manual Integration
2-HEXANONE(MBK)



Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

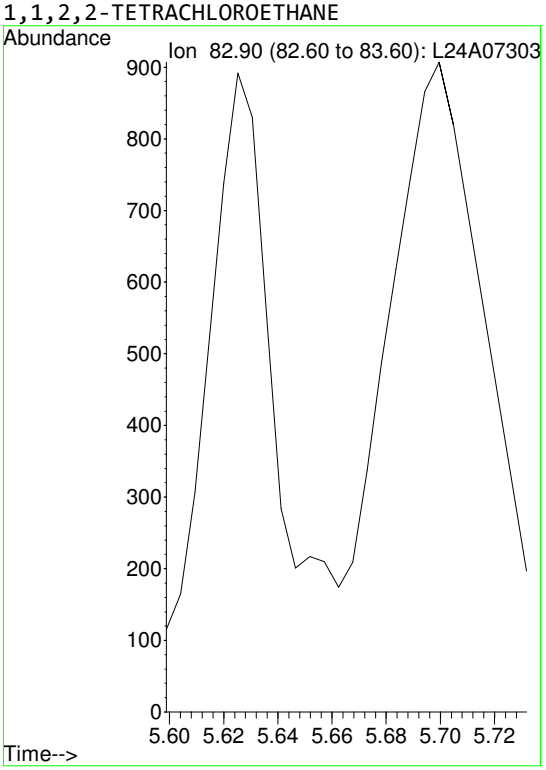
RT : 5.63
Area : 990
Amount: 0.0202115

Manual Int. Results

Fri Mar 15 11:12:30 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

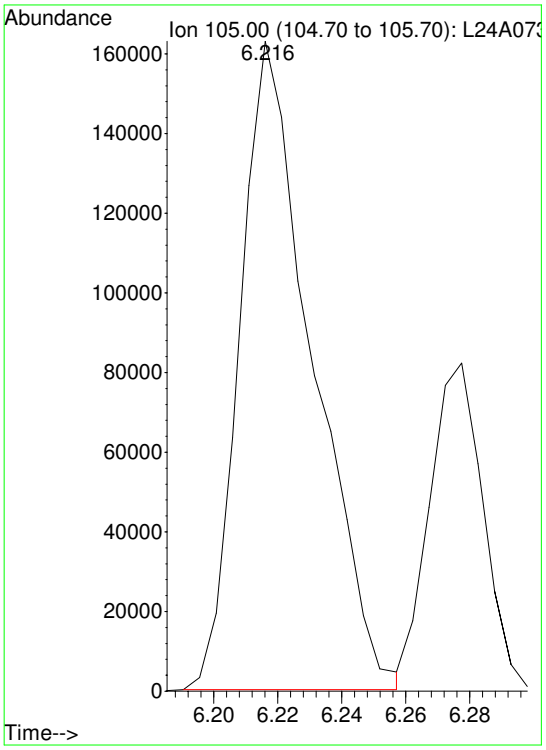
Manual Integration
1,1,2,2-TETRACHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
4-ETHYLTOLUENE



Original Int. Results

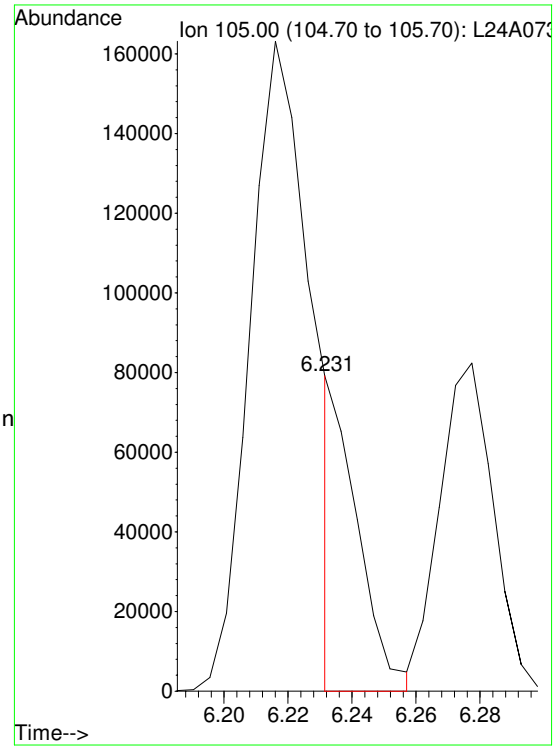
RT : 6.22
Area : 256738
Amount: 2.87415

Manual Int. Results

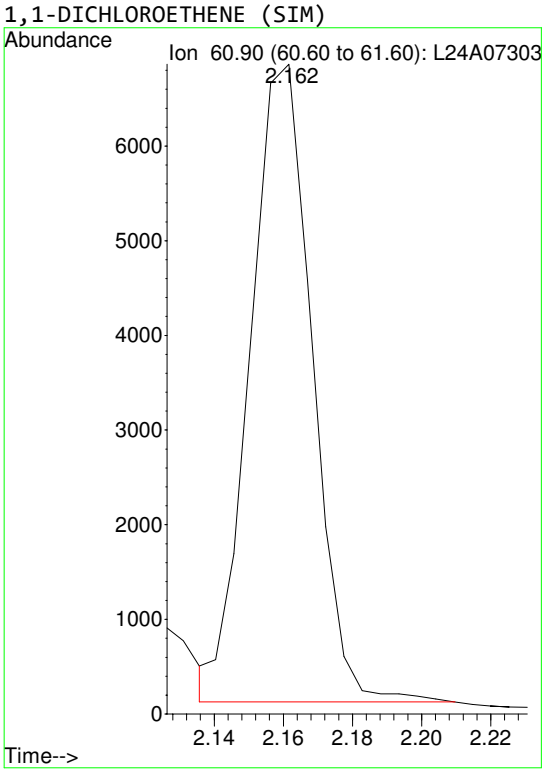
Fri Mar 15 11:12:36 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 42316
Amount: 0.473723

Manual Integration
4-ETHYLTOLUENE



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

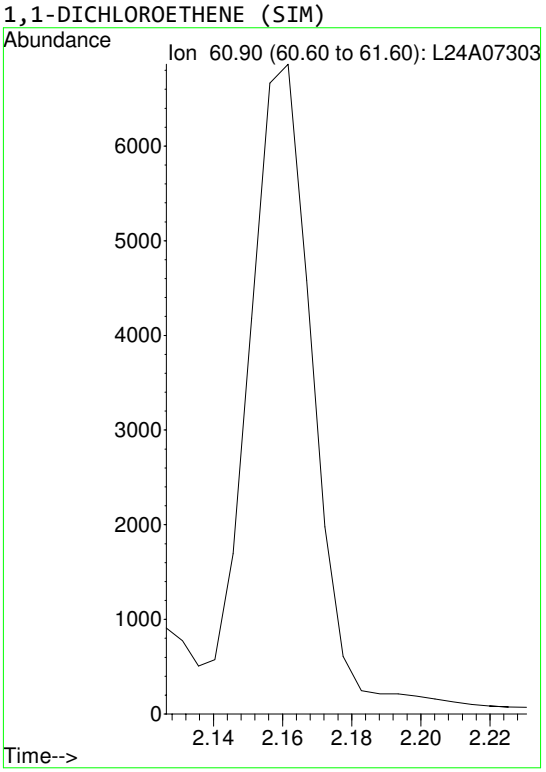
RT : 2.16
Area : 8363
Amount: 0.263381

Manual Int. Results

Fri Mar 15 11:12:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

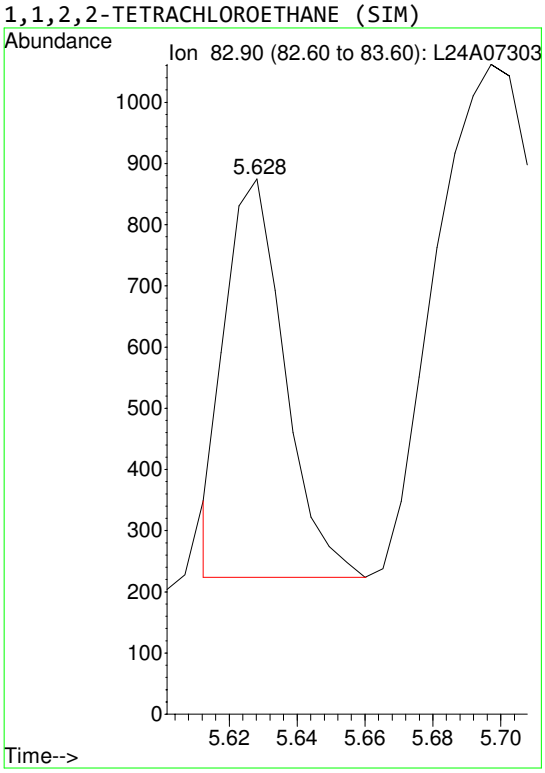
Manual Integration
1,1-DICHLOROETHENE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

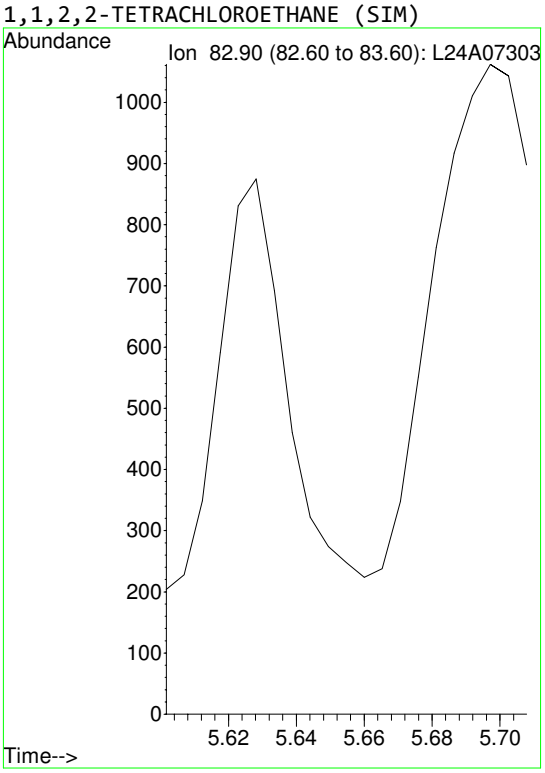
RT : 5.63
Area : 796
Amount: 0.014943

Manual Int. Results

Fri Mar 15 11:12:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-05	File ID:	L24A073038.D
Sampled:	02/28/24 18:34	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:55
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	9.9	2.0	4.0	
71-43-2	Benzene	0.052	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)	7.3	2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	6.0	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.39	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-05	File ID:	L24A073038.D
Sampled:	02/28/24 18:34	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:55
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	36	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.076	0.063	0.10	J
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol	3.4	2.1	4.0	J
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.11	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.078	0.050	0.10	J
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	0.22	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.25	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.074	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate	0.42	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-05	File ID:	L24A073038.D
Sampled:	02/28/24 18:34	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:55
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073038.D Vial: 33
Acq On : 14 Mar 2024 04:55 am Operator: CMR
Sample : 24C0251-05 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:12 2024

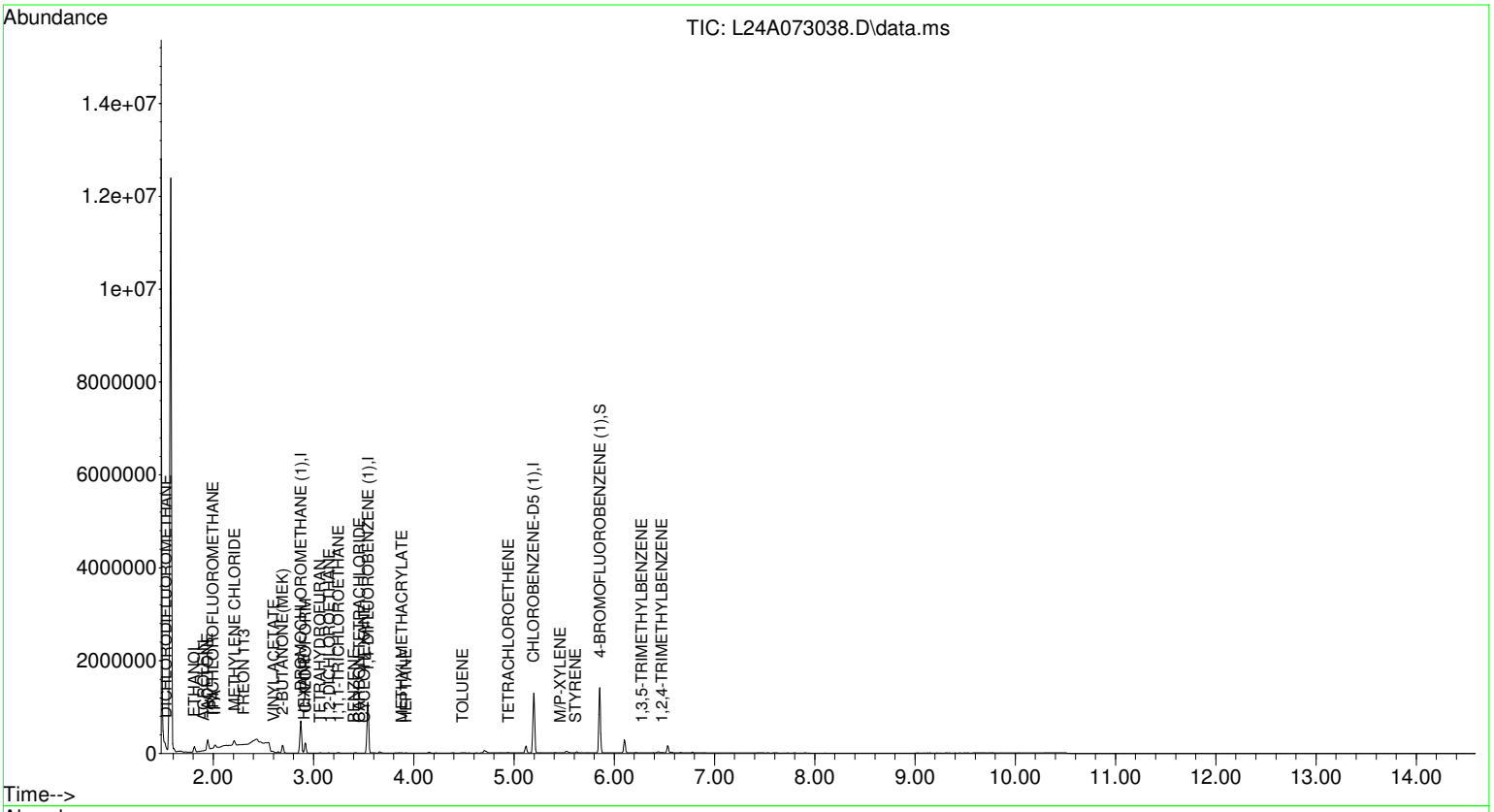
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073038.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

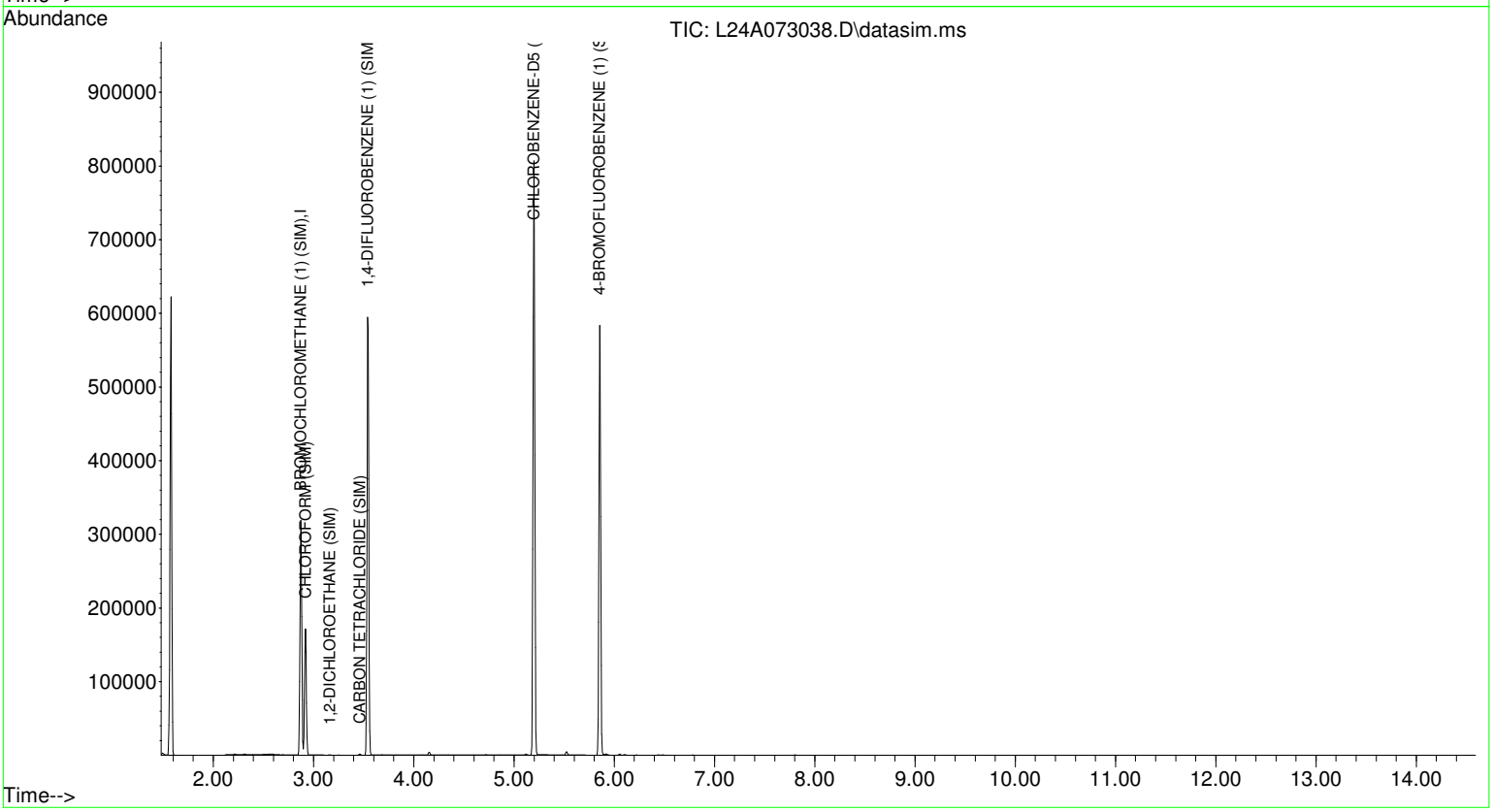
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	203097	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	598684	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.194	117	560669	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	221453	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	638749	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	612968	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	279908	7.253	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery =	90.63%		
87) 4-BROMOFLUOROBENZENE (...	5.853	174	294418	7.503	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery =	93.75%		
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	8772	0.195	PPBV	96
10) ACROLEIN	1.903	56	2816	0.349	PPBV	100
11) ACETONE	1.944	43	141448	4.965	PPBV	69
12) TRICHLOROFLUOROMETHANE	1.995	101	5708	0.124	PPBV	97
13) ETHANOL	1.811	45	79789	18.142	PPBV	99
15) METHYLENE CHLORIDE	2.212	49	1261	0.057	PPBV	93
16) FREON 113	2.302	101	1332	0.037	PPBV	91
21) IPA	2.015	45	51246	1.710	PPBV	99
22) 2-BUTANONE(MEK)	2.689	43	128760	3.671	PPBV	89
24) VINYL ACETATE	2.604	43	7793	0.210	PPBV #	72
25) HEXANE	2.906	41	954	0.050	PPBV #	11
27) CHLOROFORM	2.917	83	110528	3.025	PPBV	97
28) TETRAHYDROFURAN	3.065	42	3017	0.130	PPBV #	8
29) 1,2-DICHLOROETHANE	3.157	62	444	0.018	PPBV #	92
31) 1,1,1-TRICHLOROETHANE	3.249	97	4212	0.111	PPBV	95
32) BENZENE	3.405	78	1390	0.026	PPBV	98
33) CARBON TETRACHLORIDE	3.458	117	978	0.026	PPBV	96
34) CYCLOHEXANE	3.505	84	701	0.031	PPBV	82
39) METHYLMETHACRYLATE	3.881	69	1112	0.059	PPBV #	67
40) HEPTANE	3.922	57	658	0.038	PPBV #	79
46) TOLUENE	4.489	91	2545	0.039	PPBV	98
50) TETRACHLOROETHENE	4.944	166	1581	0.054	PPBV	99
53) M/P-XYLENE	5.459	91	1073	0.016	PPBV	83
55) STYRENE	5.613	104	1701	0.036	PPBV	79
60) 1,3,5-TRIMETHYLBENZENE	6.275	105	905	0.012	PPBV	90
61) 1,2,4-TRIMETHYLBENZENE	6.474	105	2007	0.028	PPBV #	92
75] CHLOROFORM (SIM)	2.920	83	119719	3.062	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	462	0.018	PPBV	95
78] CARBON TETRACHLORIDE (...	3.461	117	1011	0.024	PPBV	98

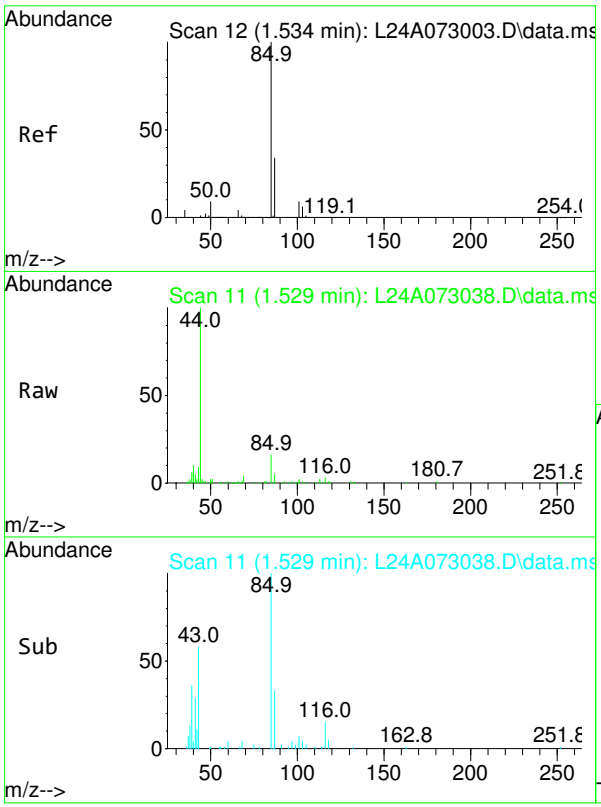
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073038.D Vial: 33
Acq On : 14 Mar 2024 04:55 am Operator: CMR
Sample : 24C0251-05 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:12 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073038.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



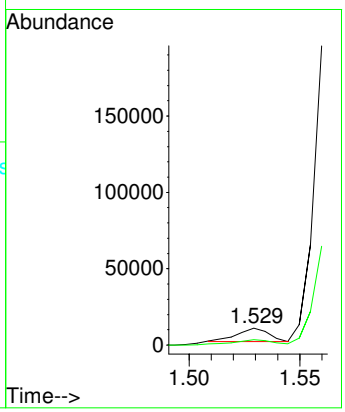


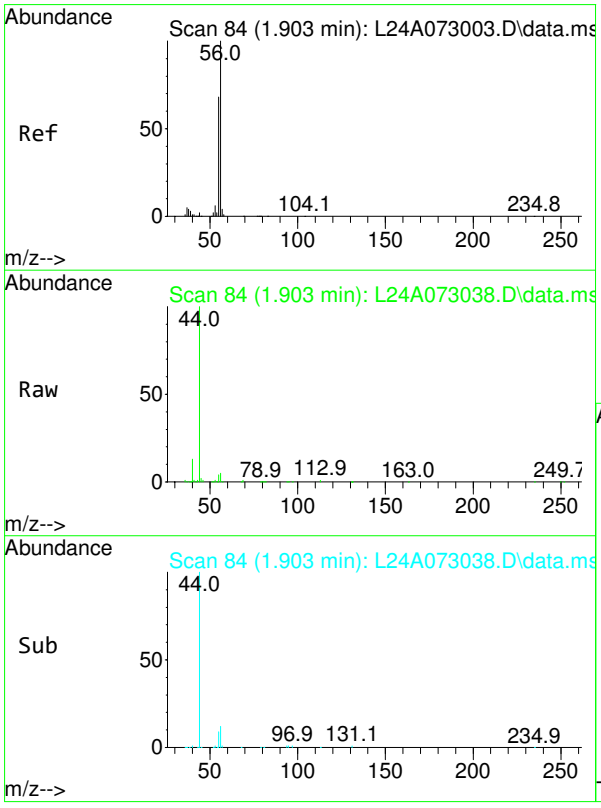


#3
DICHLORODIFLUOROMETHANE
Concen: 0.20 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 85 Resp: 8772

Ion	Ratio	Lower	Upper
85	100		
87	29.9	12.0	52.0

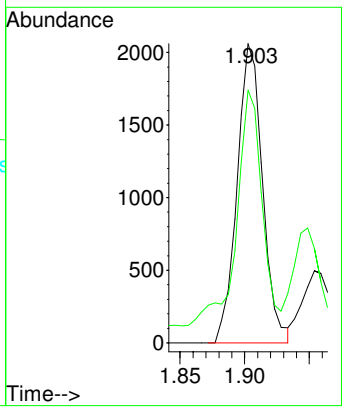


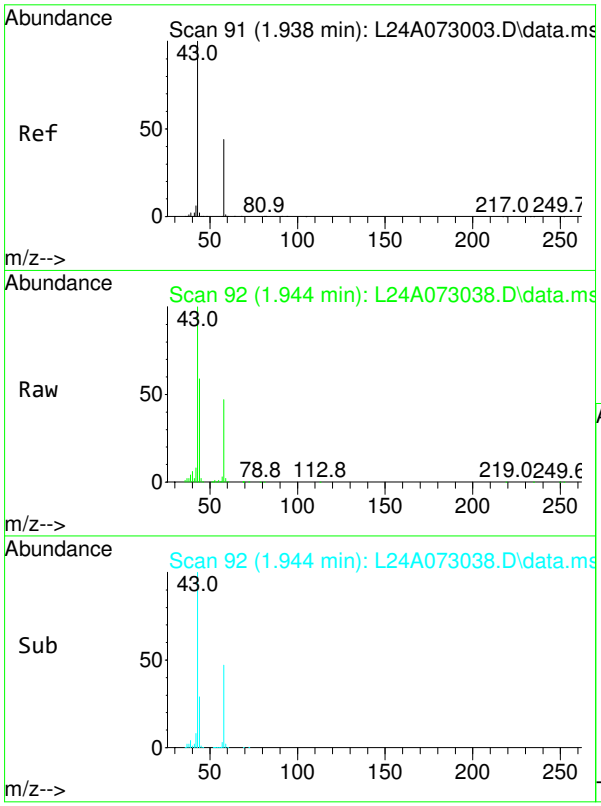


#10
ACROLEIN
Concen: 0.35 PPBV
RT: 1.903 min Scan# 84
Delta R.T. -0.000 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 56 Resp: 2816

Ion	Ratio	Lower	Upper
56	100		
55	71.4	51.4	91.4

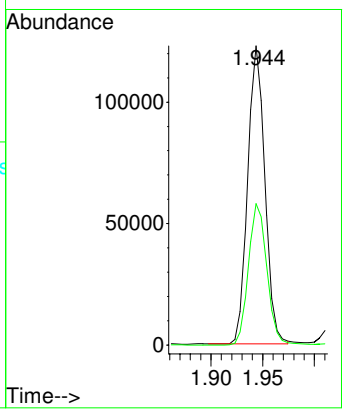


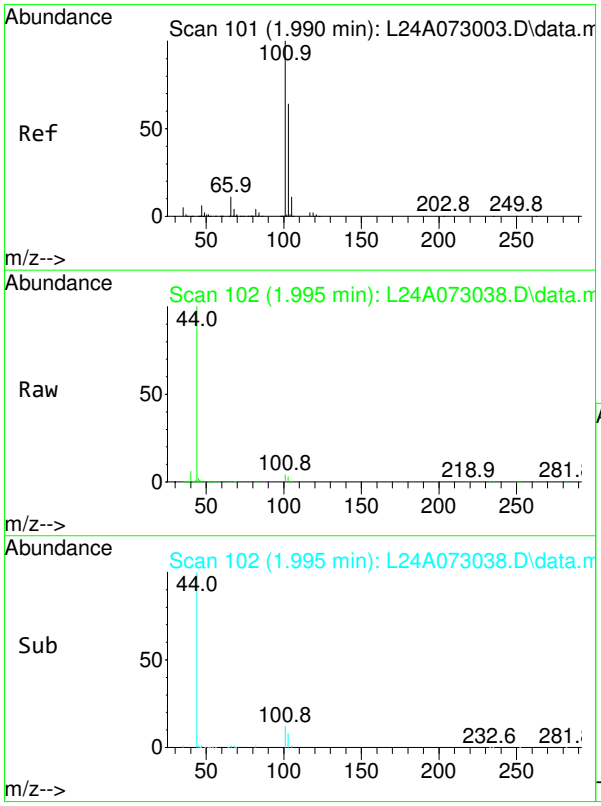


#11
ACETONE
Concen: 4.96 PPBV
RT: 1.944 min Scan# 92
Delta R.T. 0.005 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 43 Resp: 141448

Ion	Ratio	Lower	Upper
43	100		
58	50.9	13.1	53.1

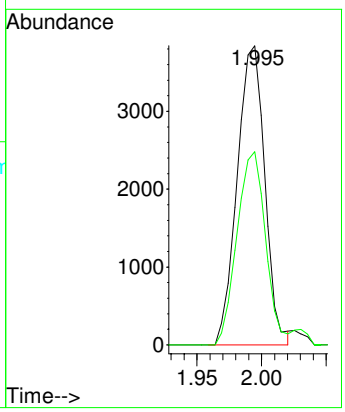


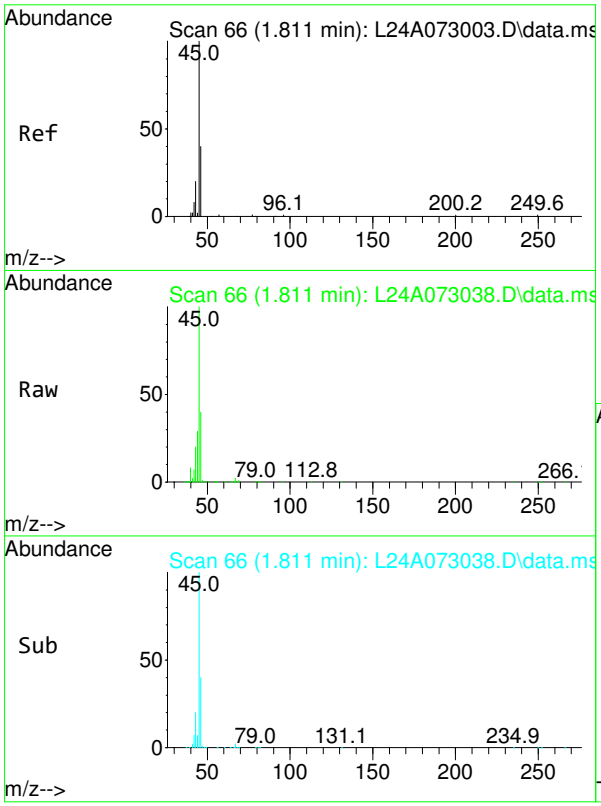


#12
TRICHLOROFLUOROMETHANE
Concen: 0.12 PPBV
RT: 1.995 min Scan# 102
Delta R.T. 0.008 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:101 Resp: 5708

Ion	Ratio	Lower	Upper
101	100		
103	66.8	44.7	84.7

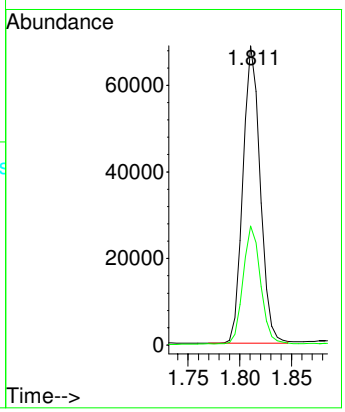


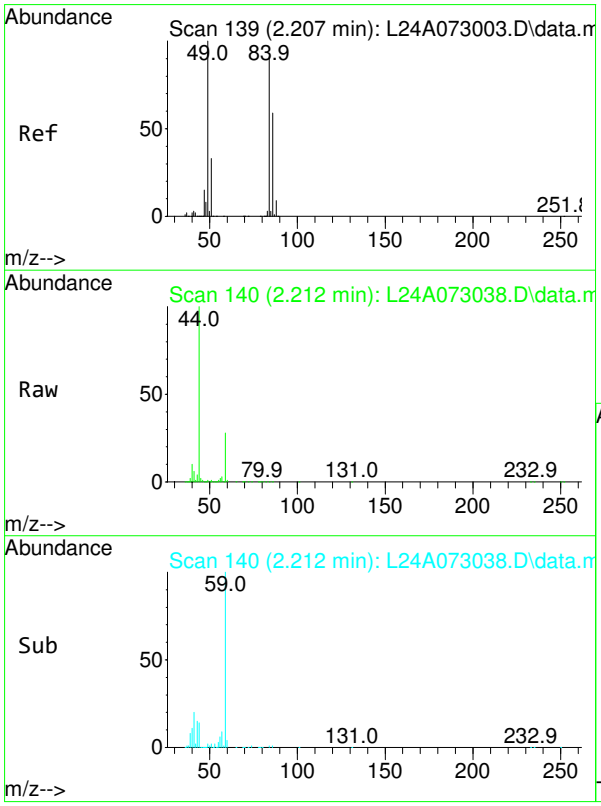


#13
ETHANOL
Concen: 18.14 PPBV
RT: 1.811 min Scan# 66
Delta R.T. 0.003 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 45 Resp: 79789

Ion	Ratio	Lower	Upper
45	100		
46	40.0	20.5	60.5

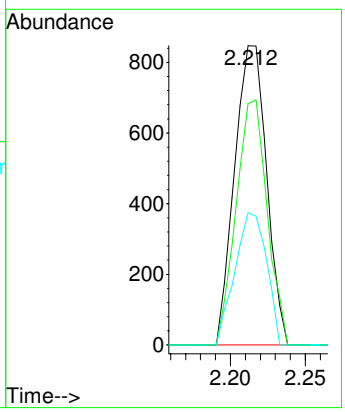


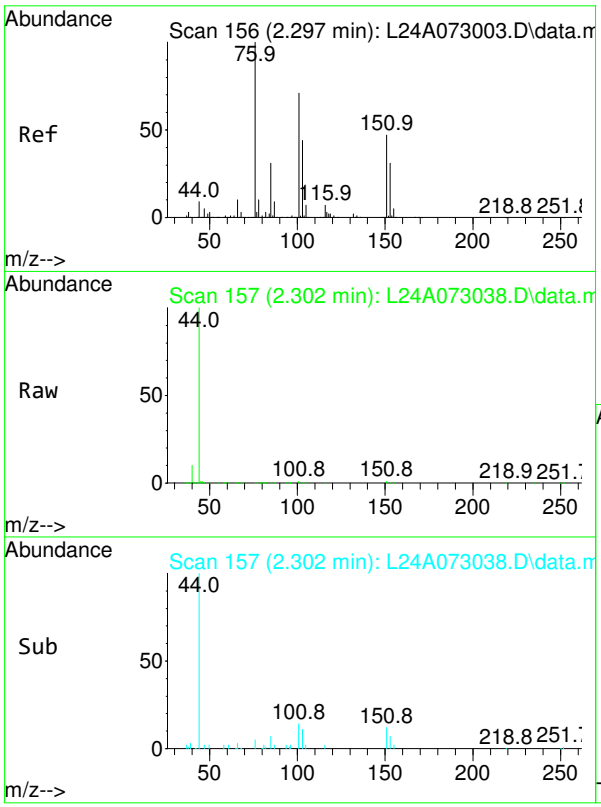


#15
METHYLENE CHLORIDE
Concen: 0.06 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 49 Resp: 1261

Ion	Ratio	Lower	Upper
49	100		
84	79.2	52.0	92.0
86	43.5	27.3	67.3

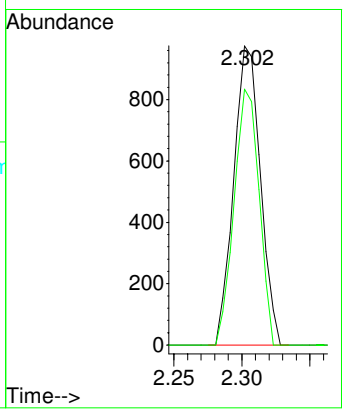


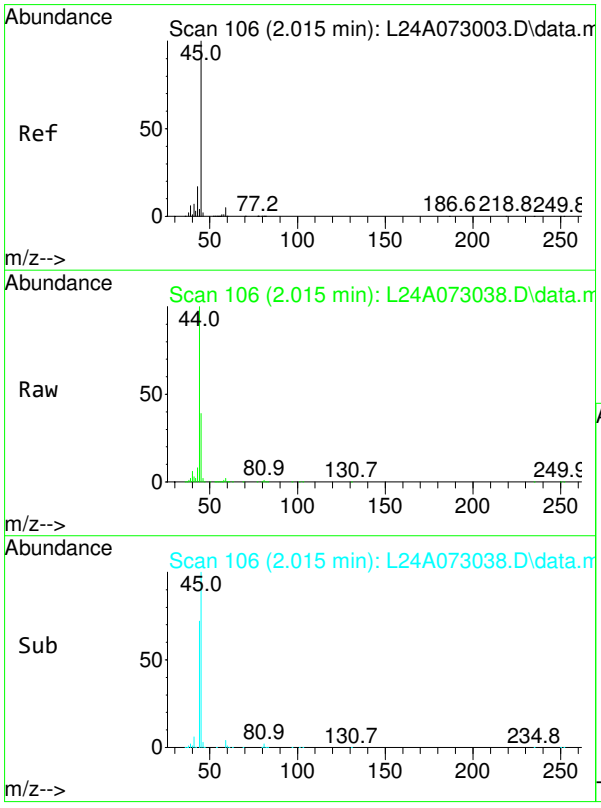


#16
FREON 113
Concen: 0.04 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:101 Resp: 1332

Ion	Ratio	Lower	Upper
101	100		
151	80.1	52.3	92.3

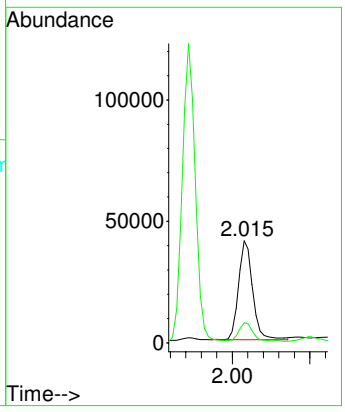


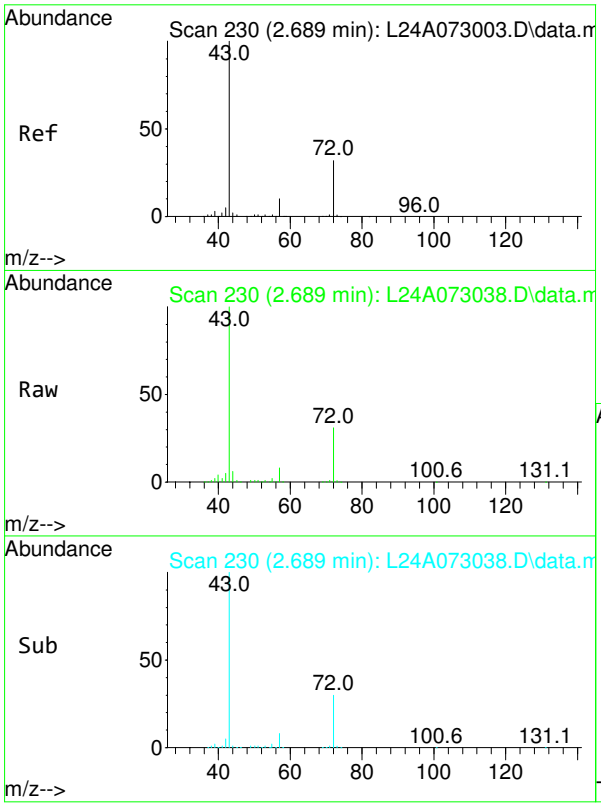


#21
IPA
Concen: 1.71 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 45 Resp: 51246

Ion	Ratio	Lower	Upper
45	100		
43	18.7	0.0	39.3

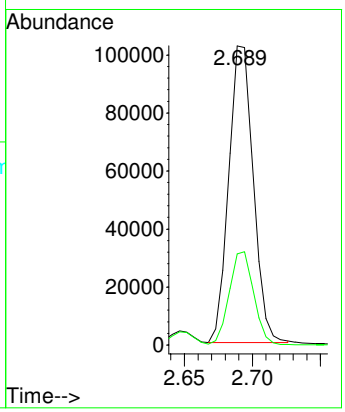


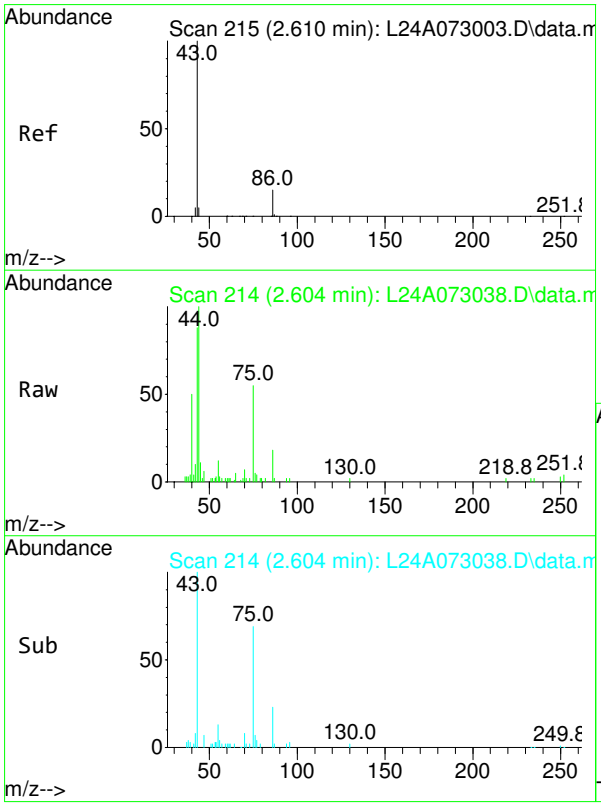


#22
2-BUTANONE(MEK)
Concen: 3.67 PPBV
RT: 2.689 min Scan# 230
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 43 Resp: 128760

Ion	Ratio	Lower	Upper
43	100		
72	30.9	5.6	45.6

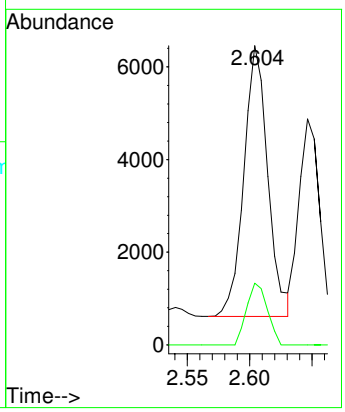


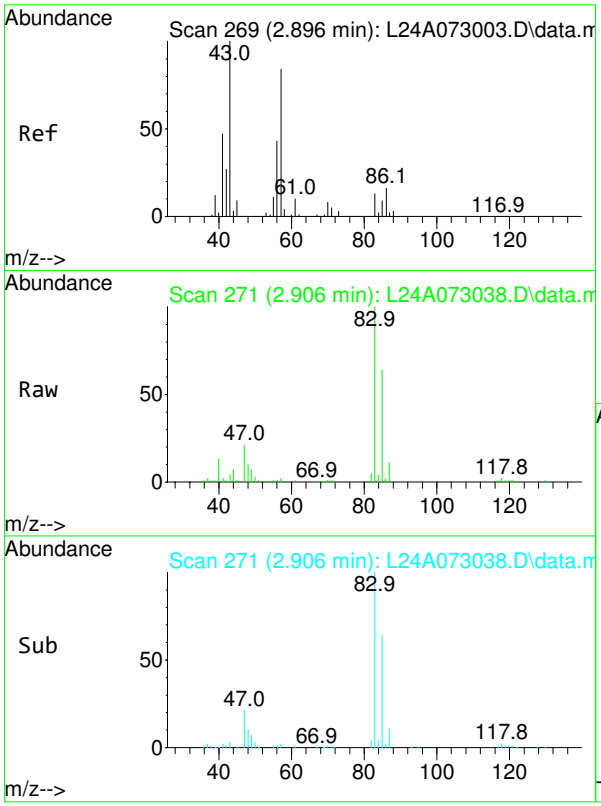


#24
VINYL ACETATE
Concen: 0.21 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 43 Resp: 7793

Ion	Ratio	Lower	Upper
43	100		
86	19.7	0.0	19.5#

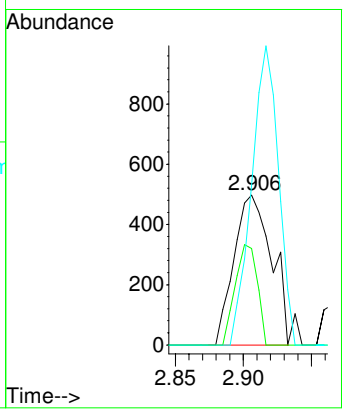


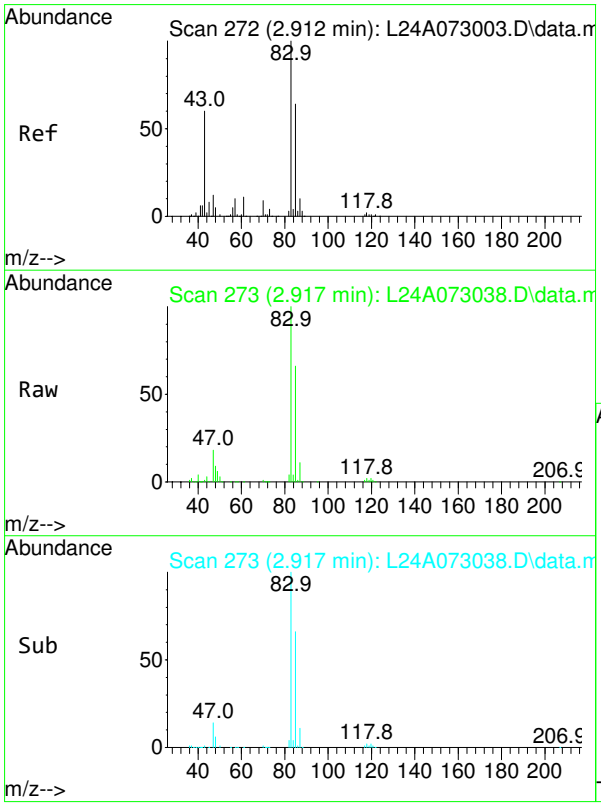


#25
HEXANE
Concen: 0.05 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 41 Resp: 954

Ion	Ratio	Lower	Upper
41	100		
56	39.5	52.3	92.3#
86	142.7	16.1	36.1#

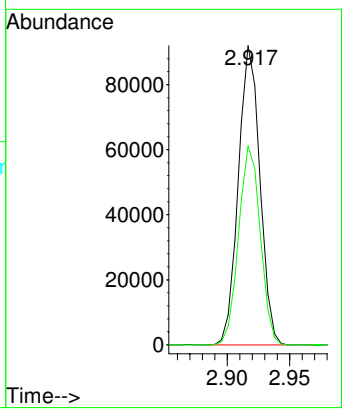


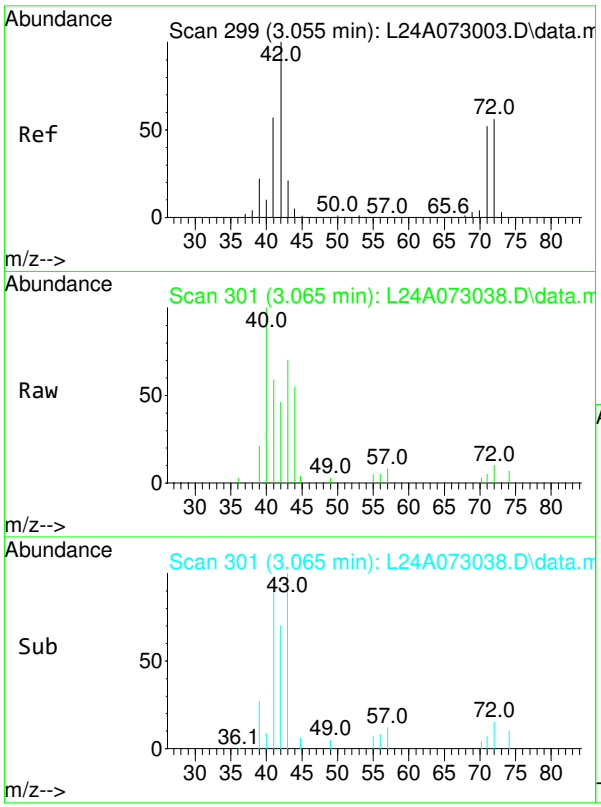


#27
CHLOROFORM
Concen: 3.02 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 83 Resp: 110528

Ion	Ratio	Lower	Upper
83	100		
85	66.9	44.8	84.8

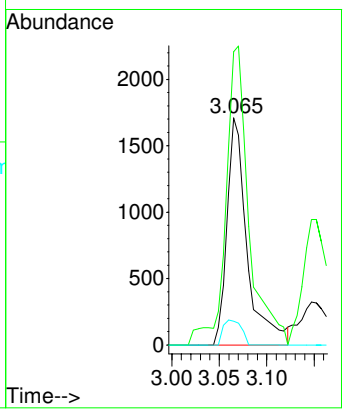


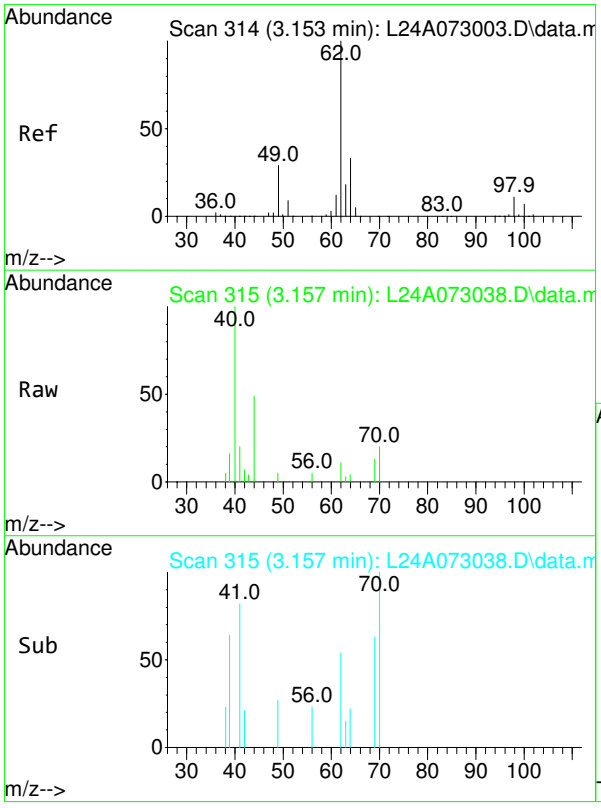


#28
TETRAHYDROFURAN
Concen: 0.13 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 42 Resp: 3017

Ion	Ratio	Lower	Upper
42	100		
41	140.0	33.5	73.5#
71	8.2	24.0	64.0#

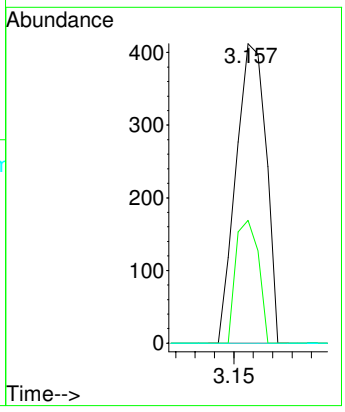


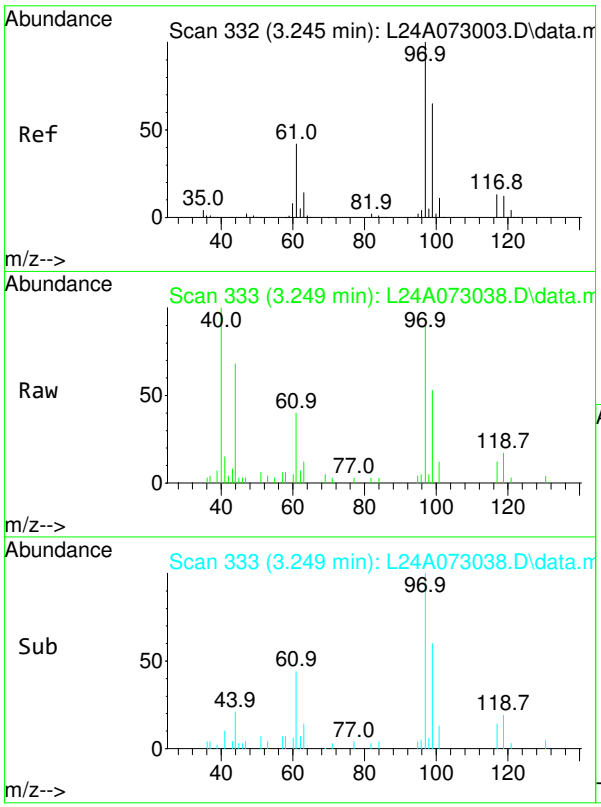


#29
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 3.157 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 62 Resp: 444

Ion	Ratio	Lower	Upper
62	100		
64	31.1	13.0	53.0
98	0.0	0.0	19.3

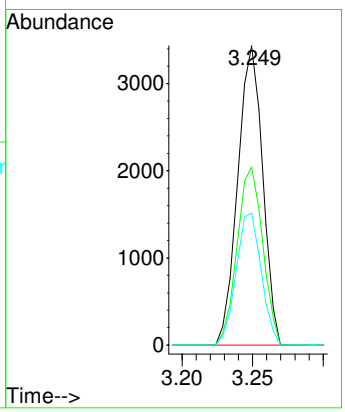


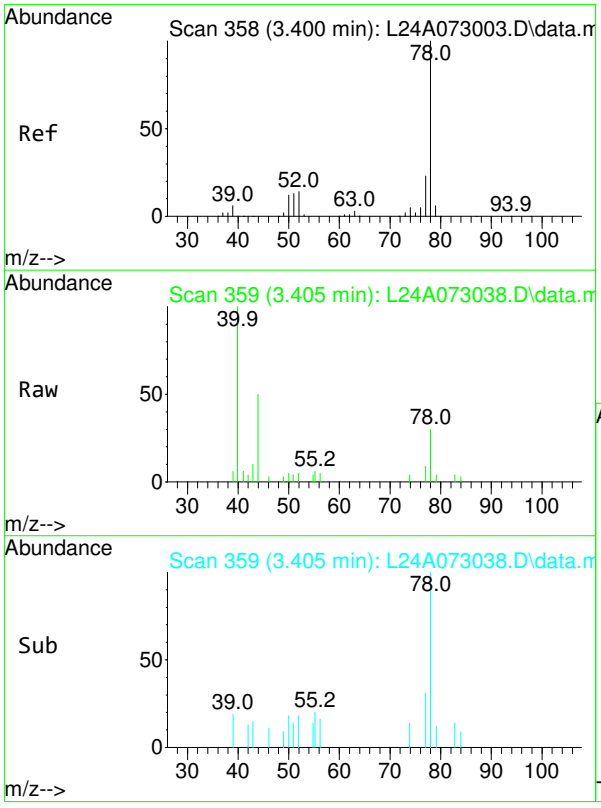


#31
1,1,1-TRICHLOROETHANE
Concen: 0.11 PPBV
RT: 3.249 min Scan# 333
Delta R.T. 0.004 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 97 Resp: 4212

Ion	Ratio	Lower	Upper
97	100		
99	61.1	45.3	85.3
61	44.4	28.1	68.1

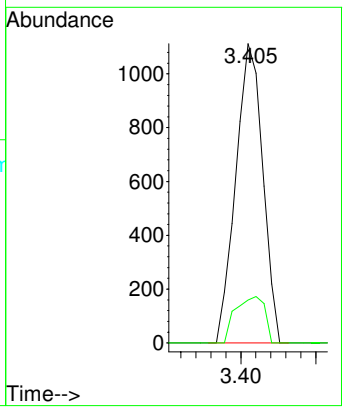


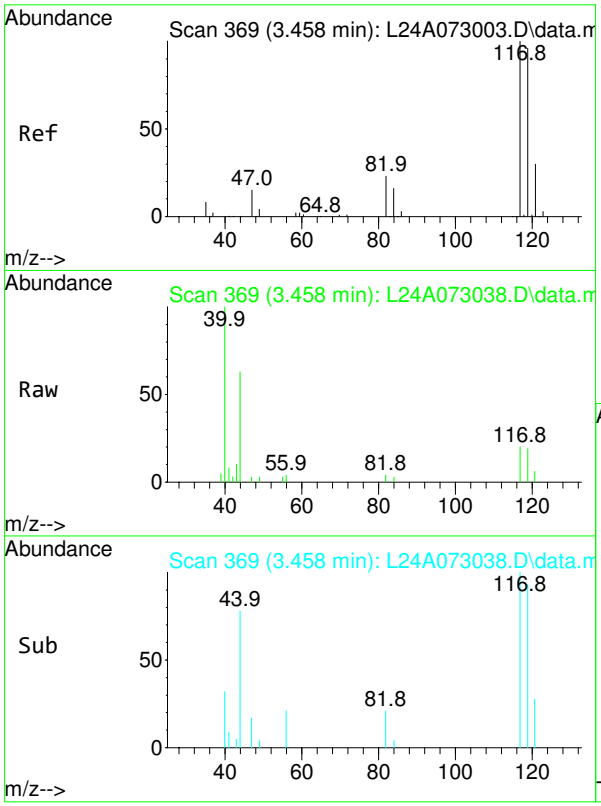


#32
BENZENE
Concen: 0.03 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 78 Resp: 1390

Ion	Ratio	Lower	Upper
78	100		
51	16.8	0.0	37.7

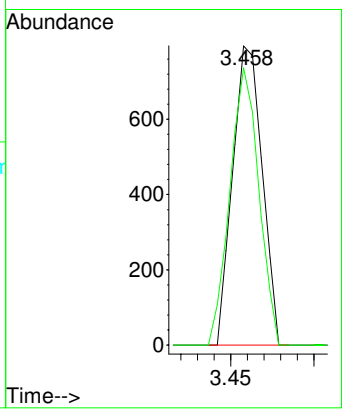


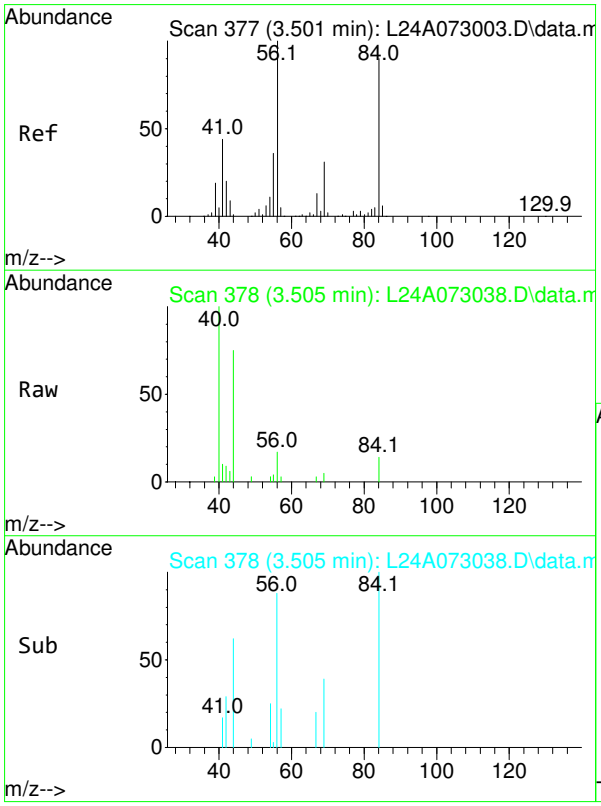


#33
CARBON TETRACHLORIDE
Concen: 0.03 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:117 Resp: 978

Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.3	115.3

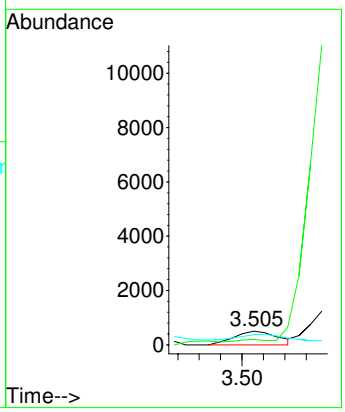


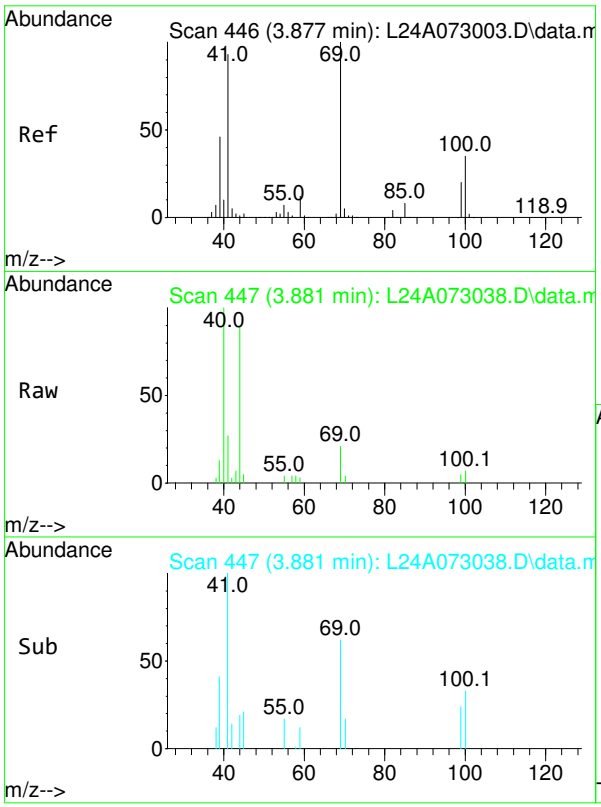


#34
CYCLOHEXANE
Concen: 0.03 PPBV
RT: 3.505 min Scan# 378
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 84 Resp: 701

Ion	Ratio	Lower	Upper
84	100		
69	28.7	17.7	57.7
41	49.4	44.6	84.6

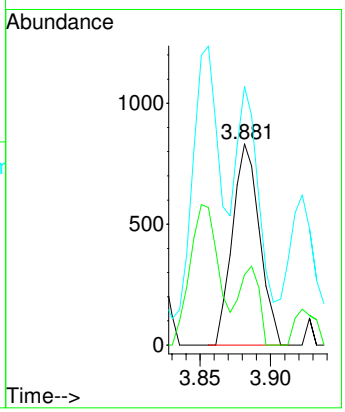


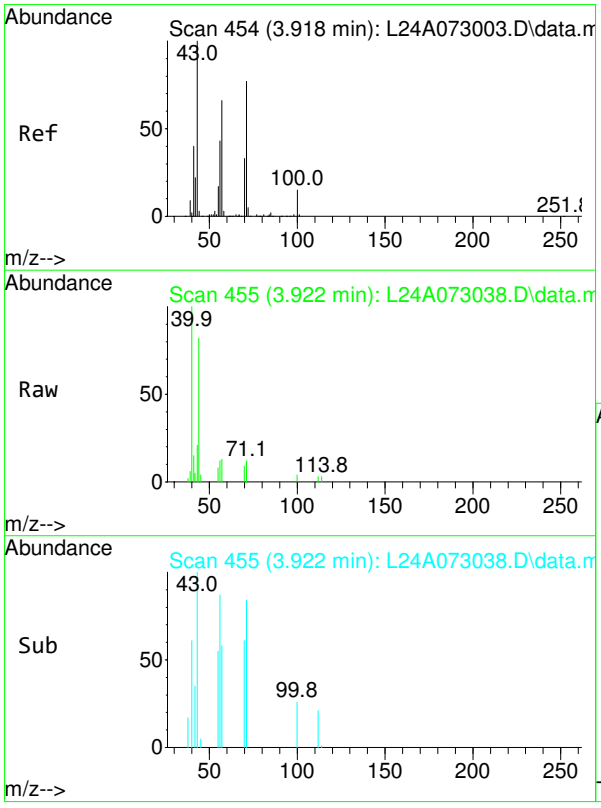


#39
METHYLMETHACRYLATE
Concen: 0.06 PPBV
RT: 3.881 min Scan# 447
Delta R.T. -0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 69 Resp: 1112

Ion	Ratio	Lower	Upper
69	100		
100	28.7	18.0	58.0
41	79.0	102.8	142.8#

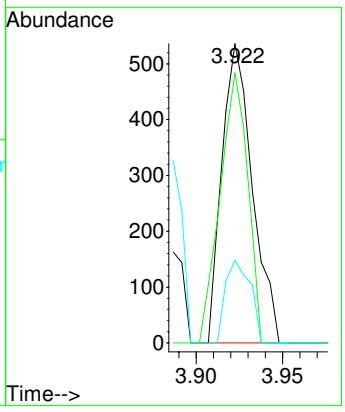


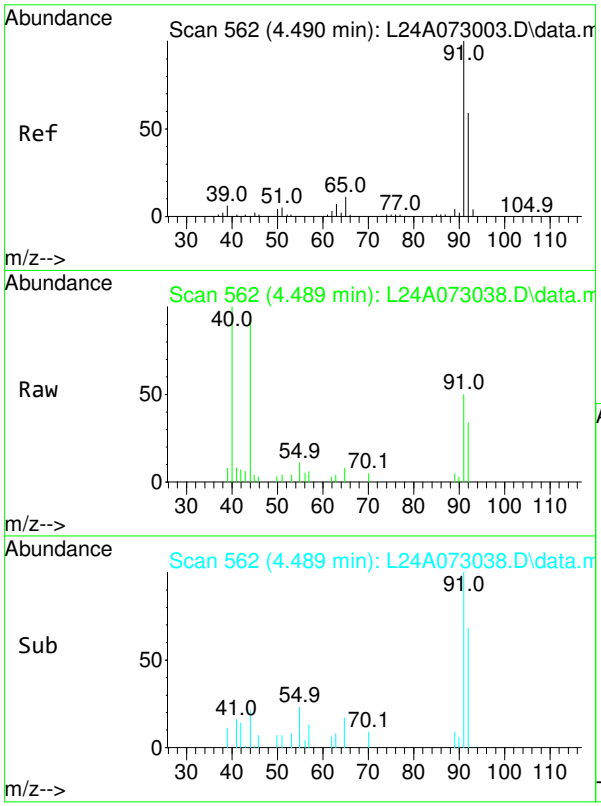


#40
HEPTANE
Concen: 0.04 PPBV
RT: 3.922 min Scan# 455
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 57 Resp: 658

Ion	Ratio	Lower	Upper
57	100		
71	81.9	87.9	127.9#
100	22.6	4.4	44.4

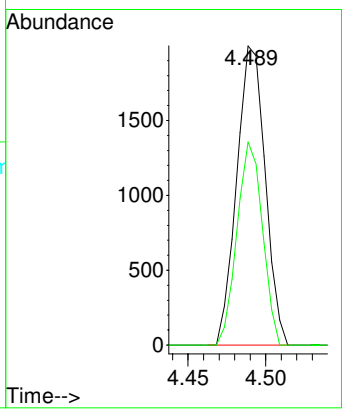


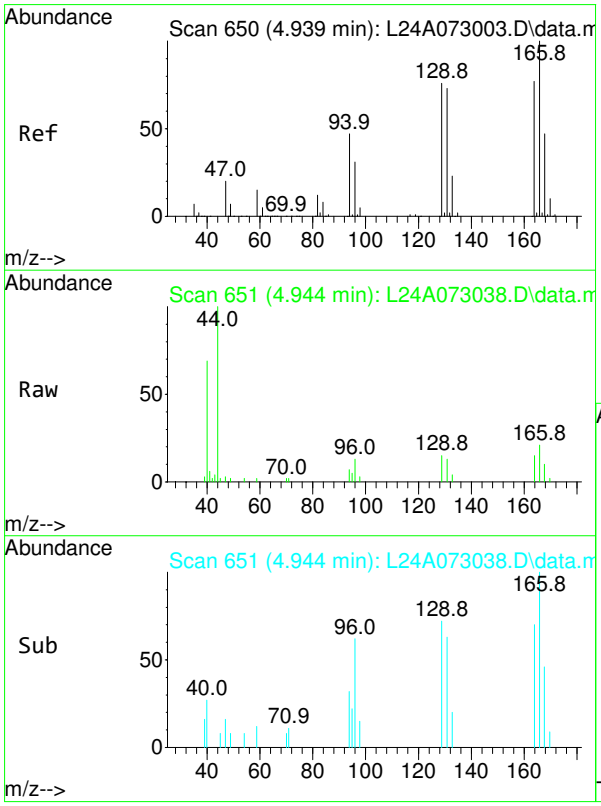


#46
TOLUENE
Concen: 0.04 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 91 Resp: 2545

Ion	Ratio	Lower	Upper
91	100		
92	60.5	39.1	79.1

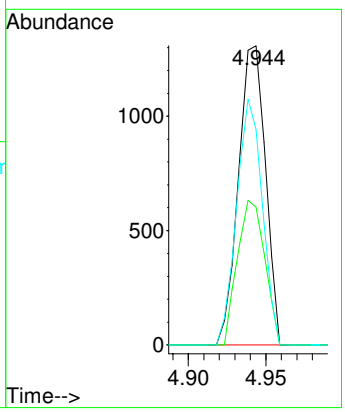


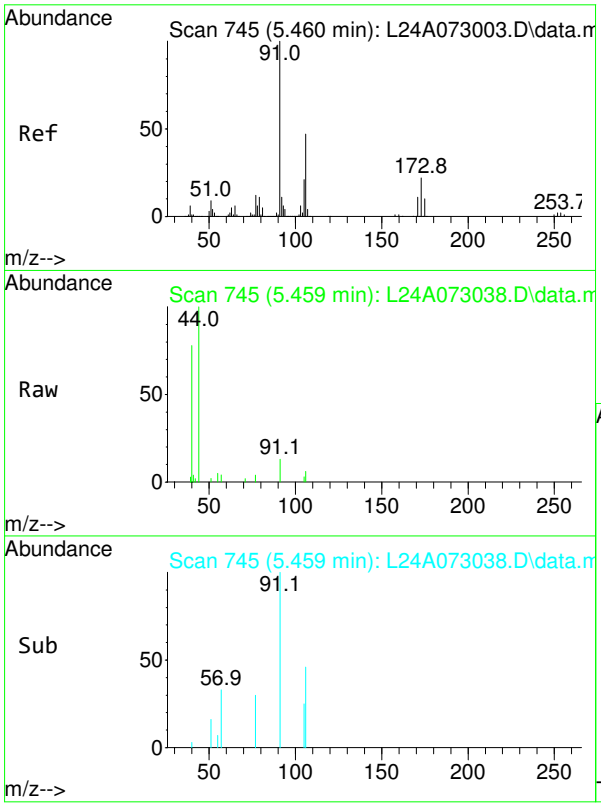


#50
TETRACHLOROETHENE
Concen: 0.05 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:166 Resp: 1581

Ion	Ratio	Lower	Upper
166	100		
168	48.9	28.8	68.8
129	77.9	56.6	96.6

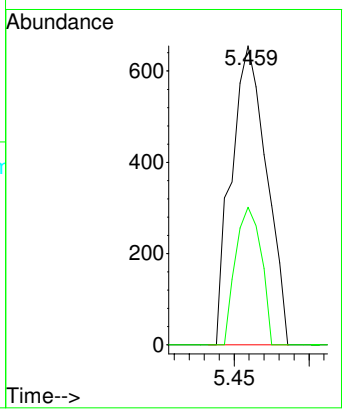


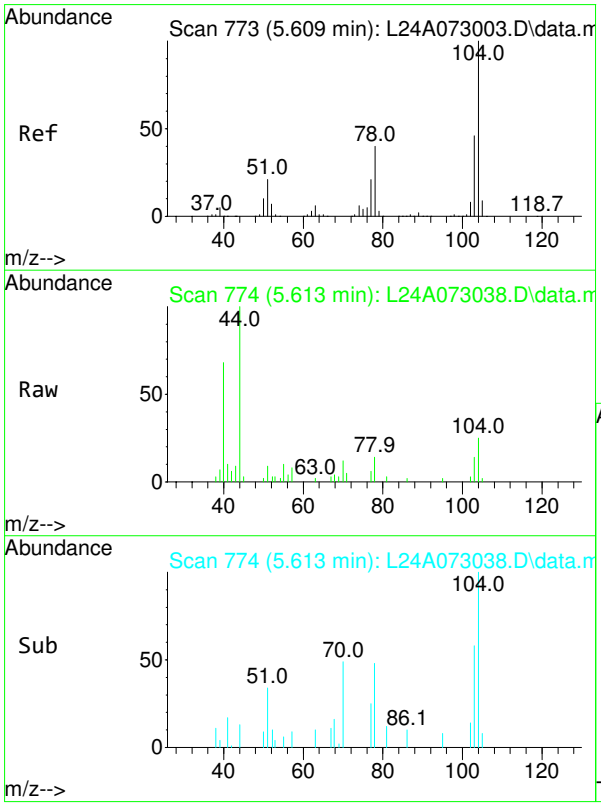


#53
M/P-XYLENE
Concen: 0.02 PPBV
RT: 5.459 min Scan# 745
Delta R.T. -0.009 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 91 Resp: 1073

Ion	Ratio	Lower	Upper
91	100		
106	33.6	24.9	64.9

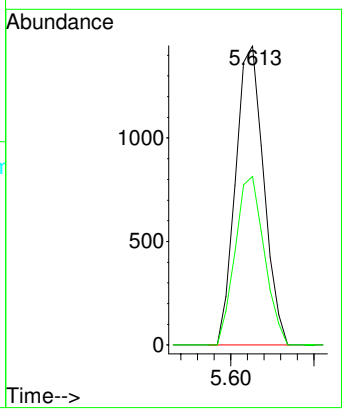


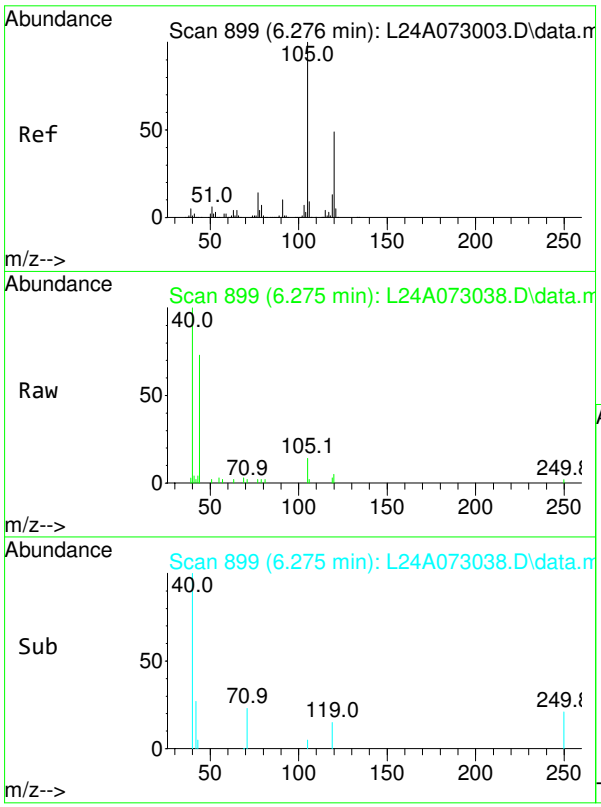


#55
STYRENE
Concen: 0.04 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:104 Resp: 1701

Ion	Ratio	Lower	Upper
104	100		
78	58.3	24.7	64.7

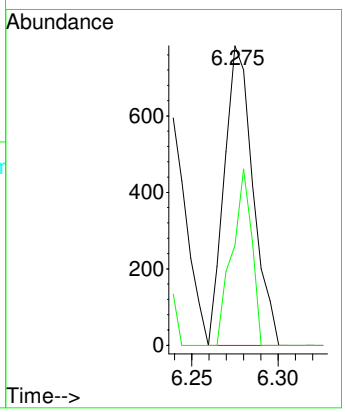


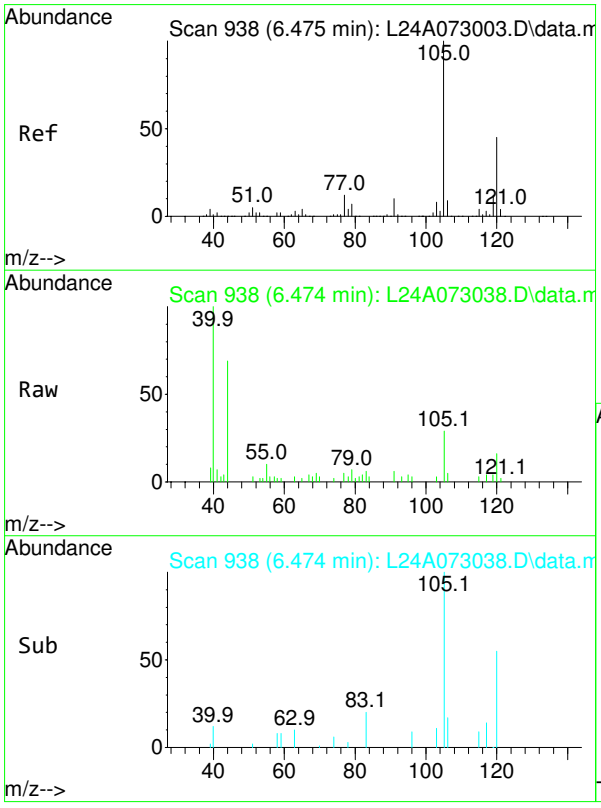


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.01 PPBV
RT: 6.275 min Scan# 899
Delta R.T. -0.008 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:105 Resp: 905

Ion	Ratio	Lower	Upper
105	100		
120	40.2	26.9	66.9

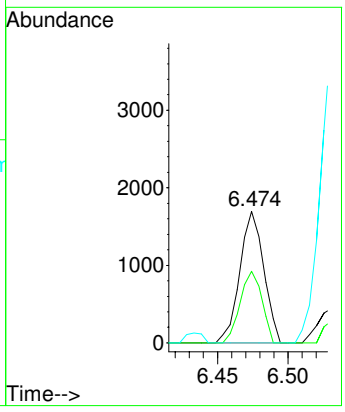


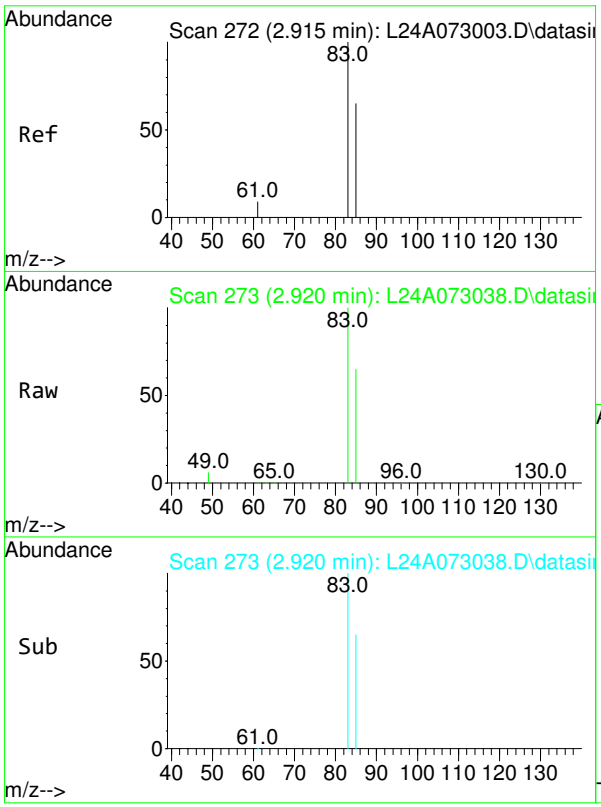


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.03 PPBV
RT: 6.474 min Scan# 938
Delta R.T. -0.009 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:105 Resp: 2007

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.0	64.0
207	0.0	0.0	20.0

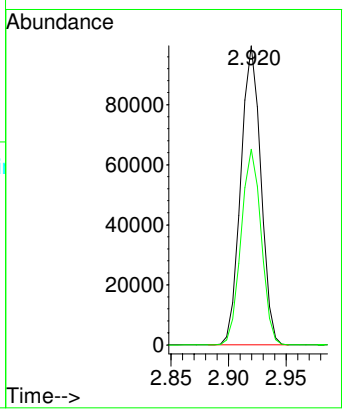


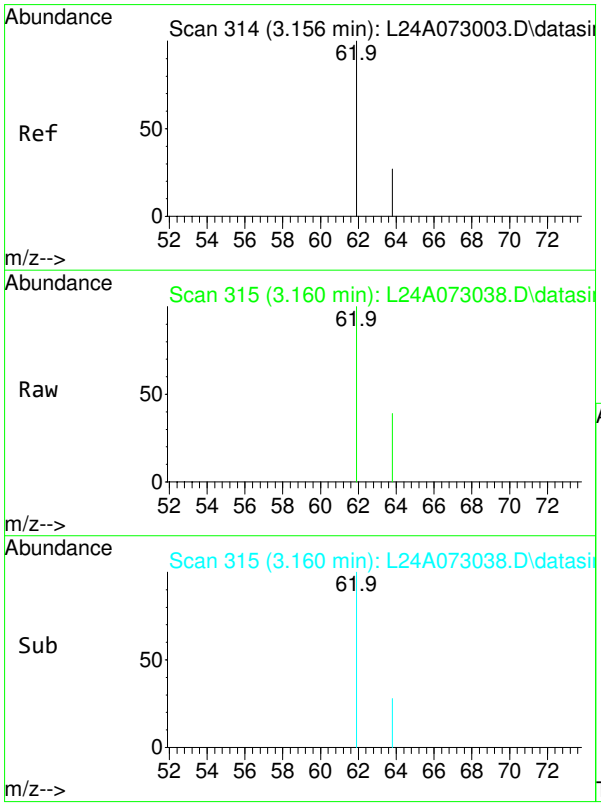


#75
CHLOROFORM (SIM)
Concen: 3.06 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 83 Resp: 119719

Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.0	85.0

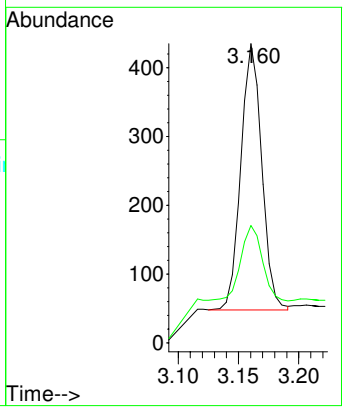


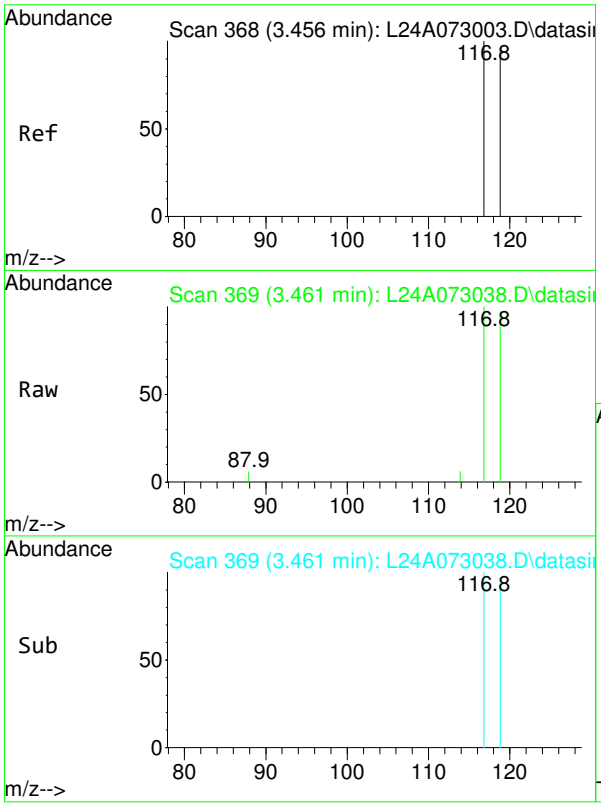


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.160 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 62 Resp: 462

Ion	Ratio	Lower	Upper
62	100		
64	29.4	7.0	47.0

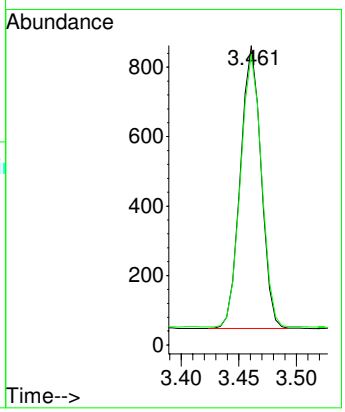




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:117 Resp: 1011

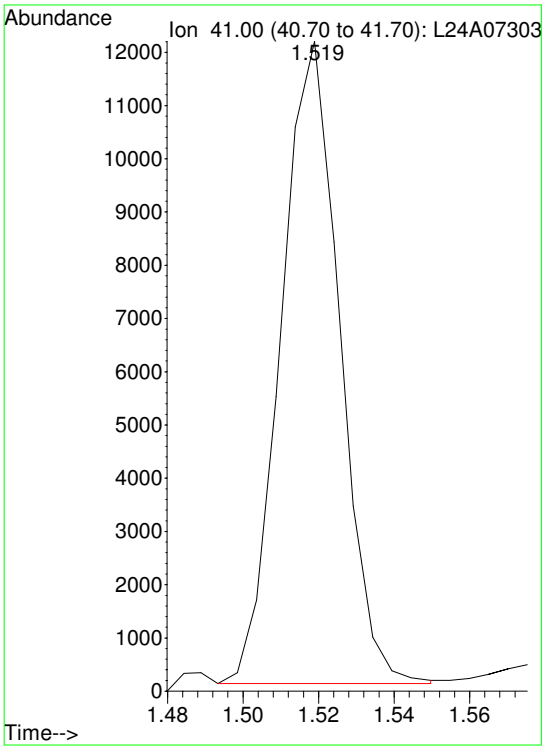
Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

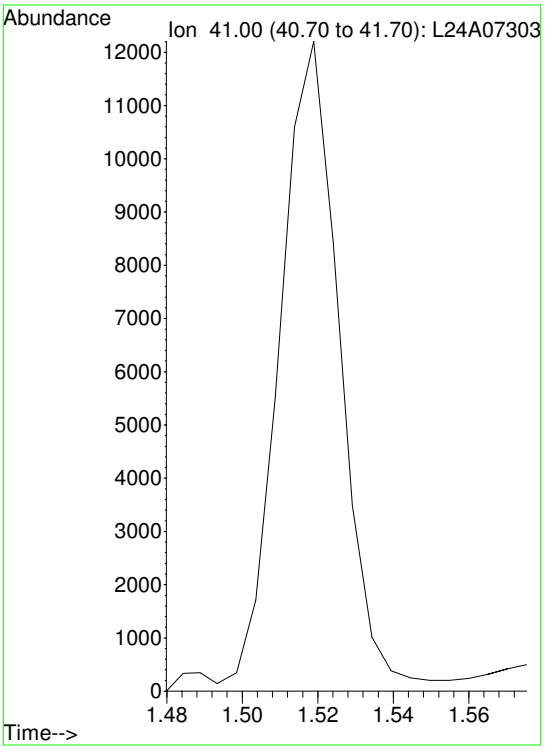
RT : 1.52
Area : 13086
Amount: 1.26485

Manual Int. Results

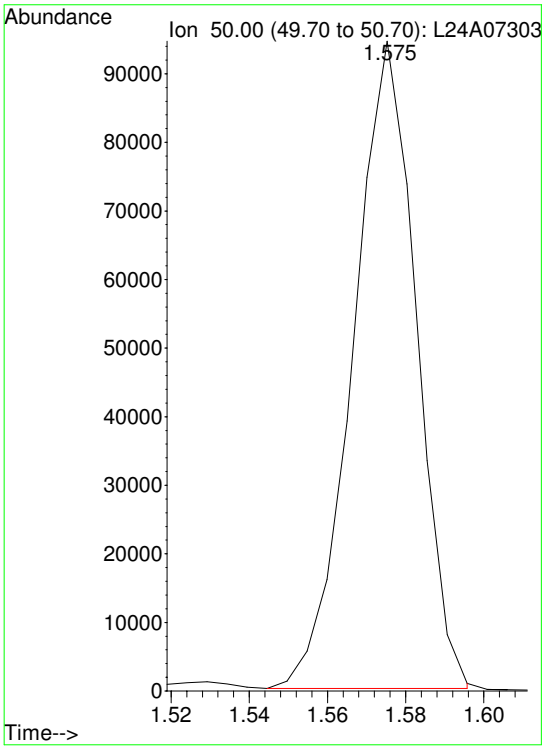
Fri Mar 15 11:24:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

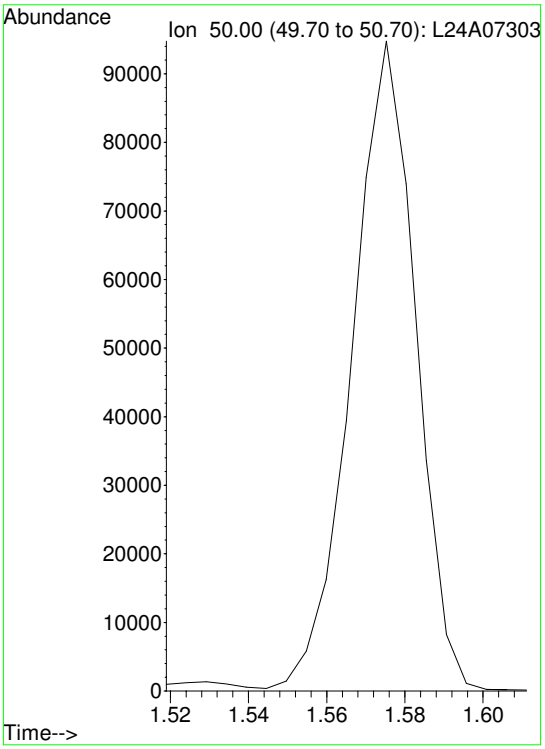
RT : 1.58
Area : 106166
Amount: 6.85391

Manual Int. Results

Fri Mar 15 11:24:56 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

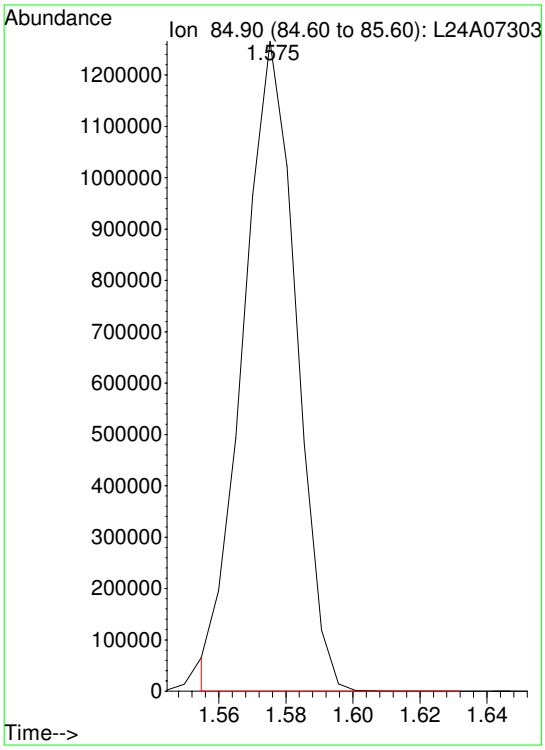
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

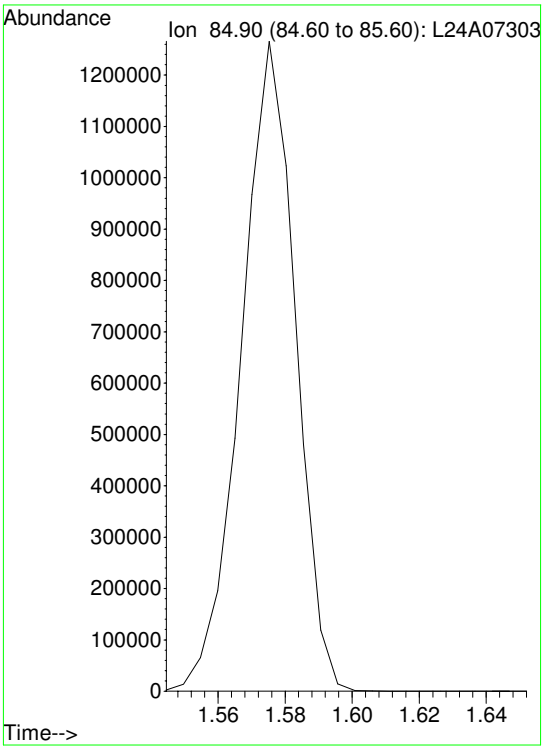
RT : 1.58
Area : 1.4013e+006
Amount: 30.9282

Manual Int. Results

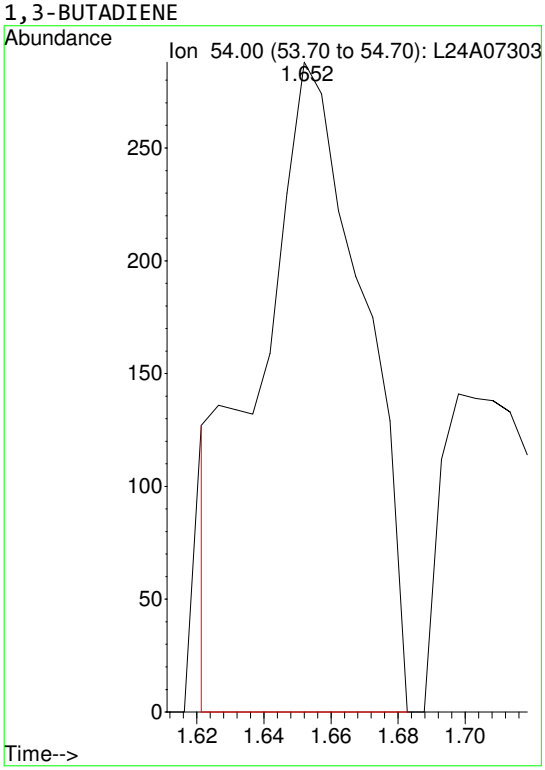
Fri Mar 15 11:25:00 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

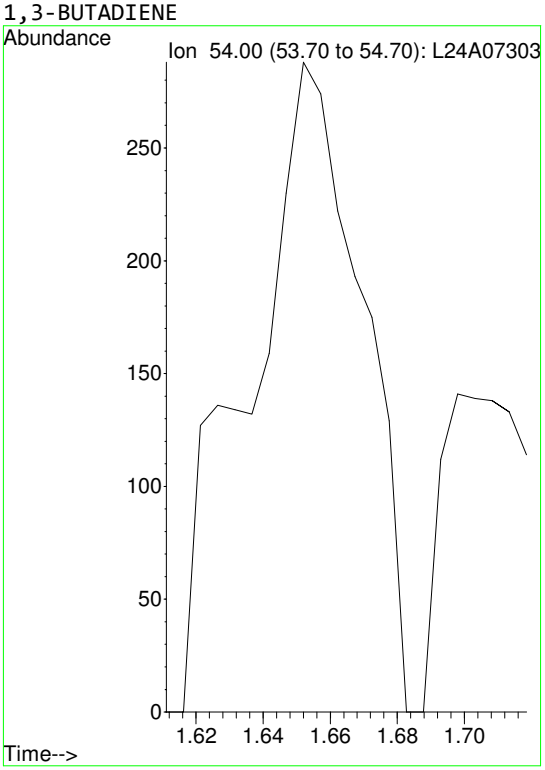
RT : 1.65
Area : 636
Amount: 0.0454543

Manual Int. Results

Fri Mar 15 11:25:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

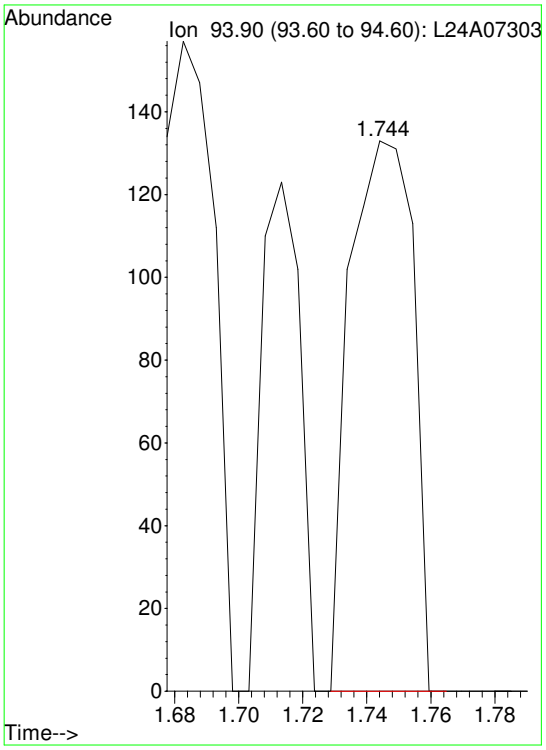
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

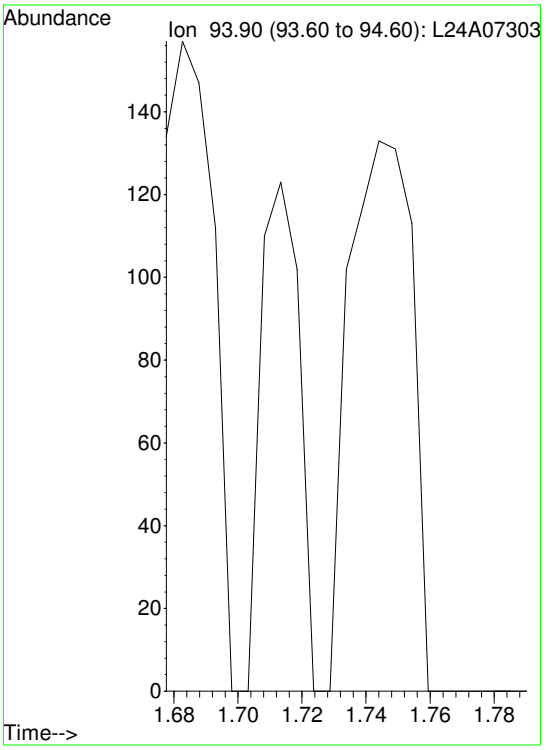
RT : 1.74
Area : 183
Amount: 0.0114261

Manual Int. Results

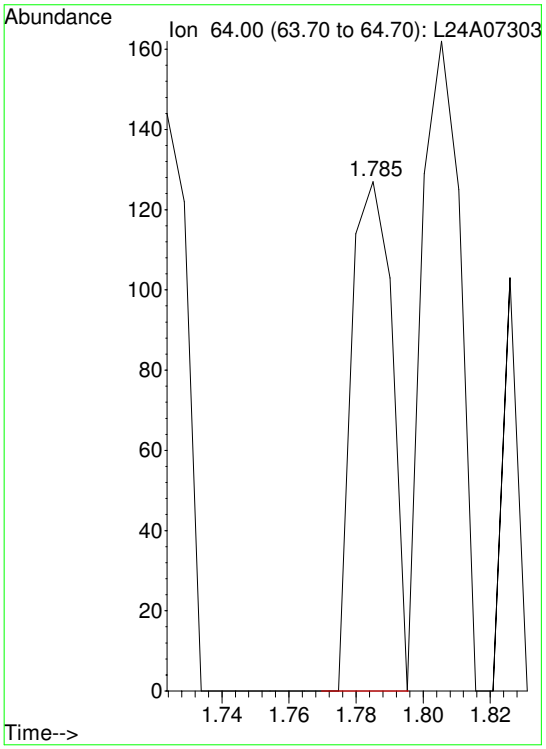
Fri Mar 15 11:25:09 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

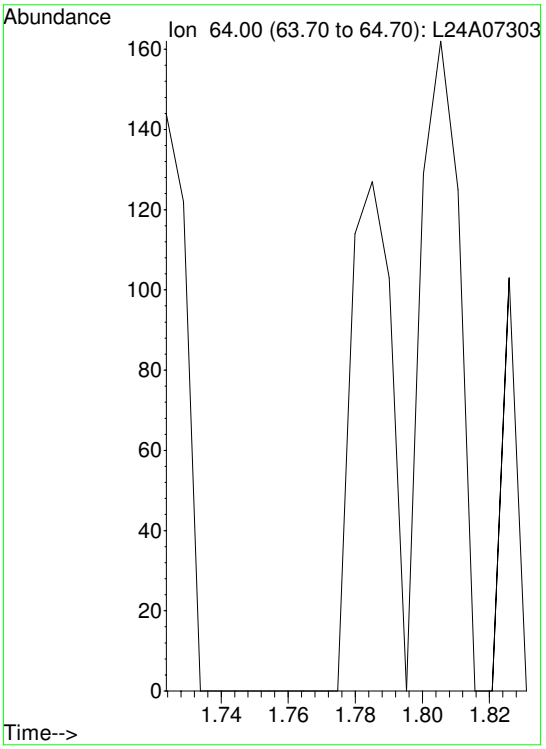
RT : 1.79
Area : 106
Amount: 0.0101405

Manual Int. Results

Fri Mar 15 11:25:12 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

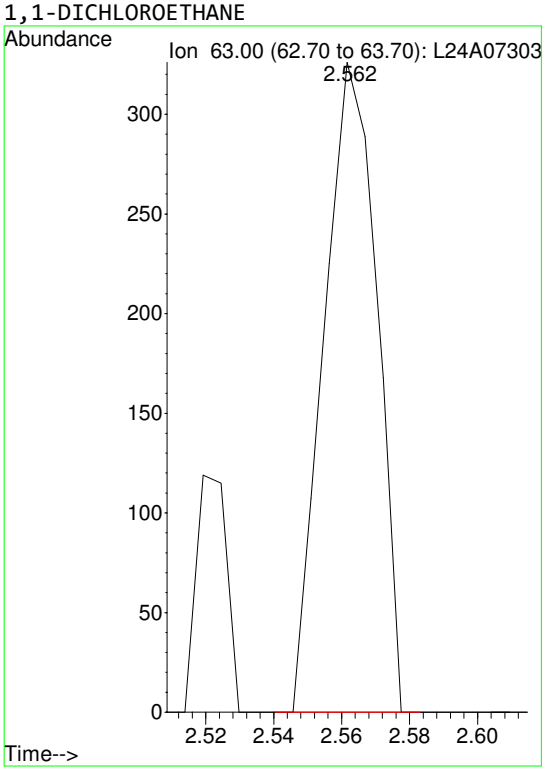
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

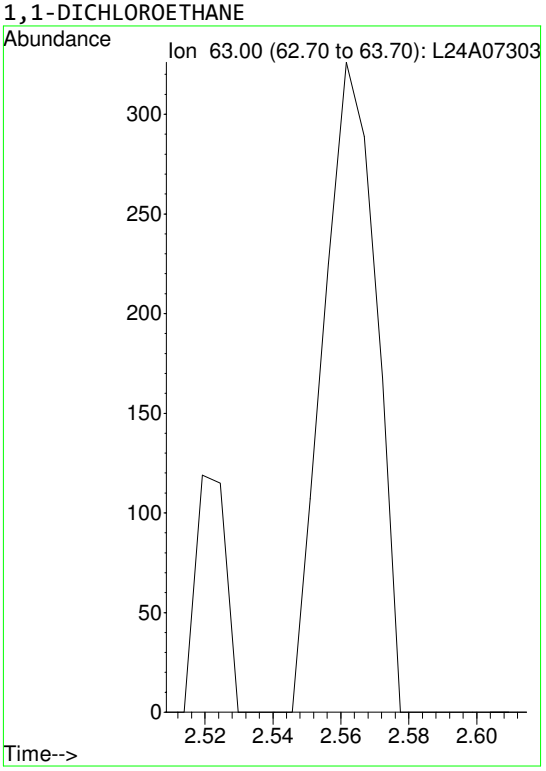
RT : 2.56
Area : 355
Amount: 0.0100396

Manual Int. Results

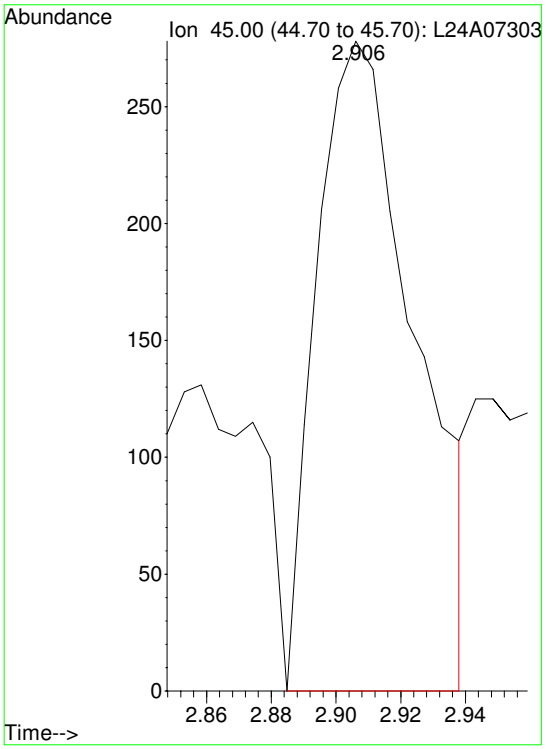
Fri Mar 15 11:25:20 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

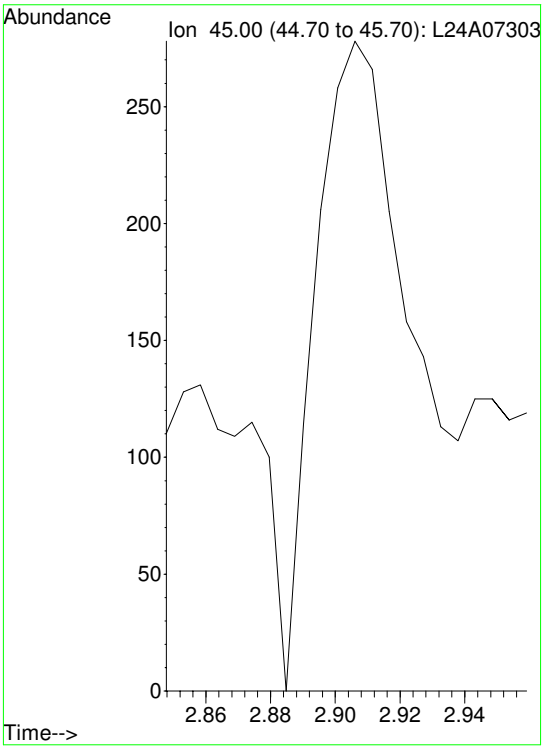
RT : 2.91
Area : 588
Amount: 0.0969026

Manual Int. Results

Fri Mar 15 11:25:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

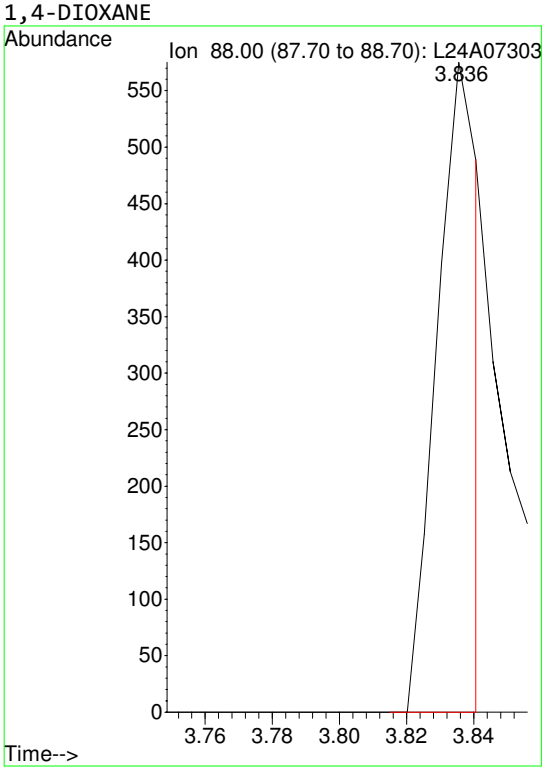
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

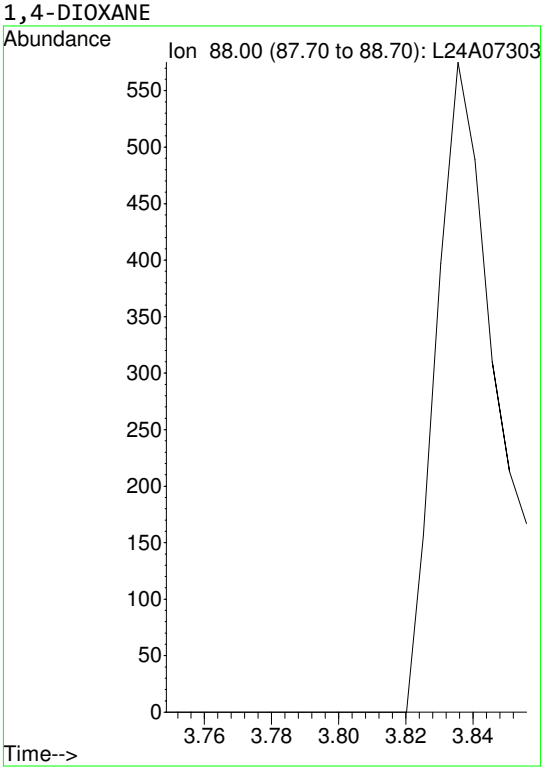
RT : 3.84
Area : 496
Amount: 0.0380289

Manual Int. Results

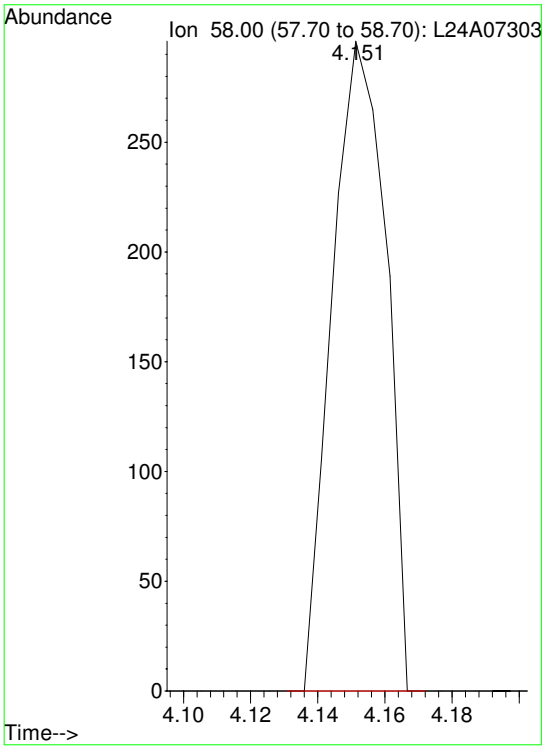
Fri Mar 15 11:25:38 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

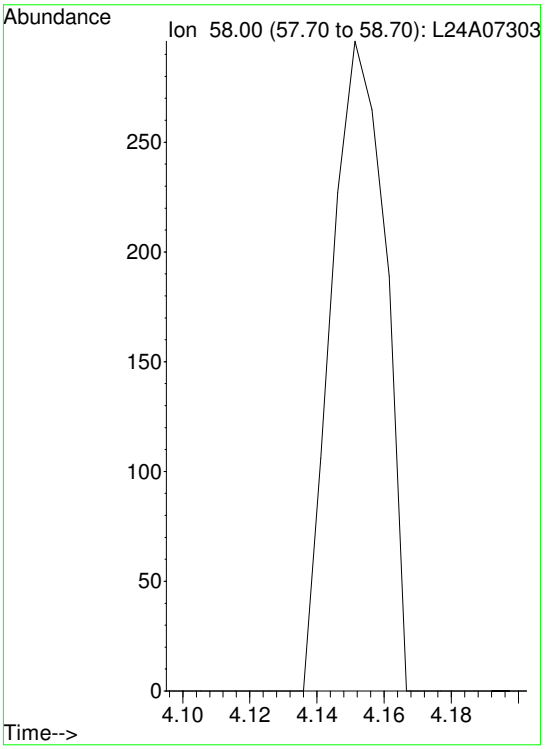
RT : 4.15
Area : 332
Amount: 0.018375

Manual Int. Results

Fri Mar 15 11:25:44 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

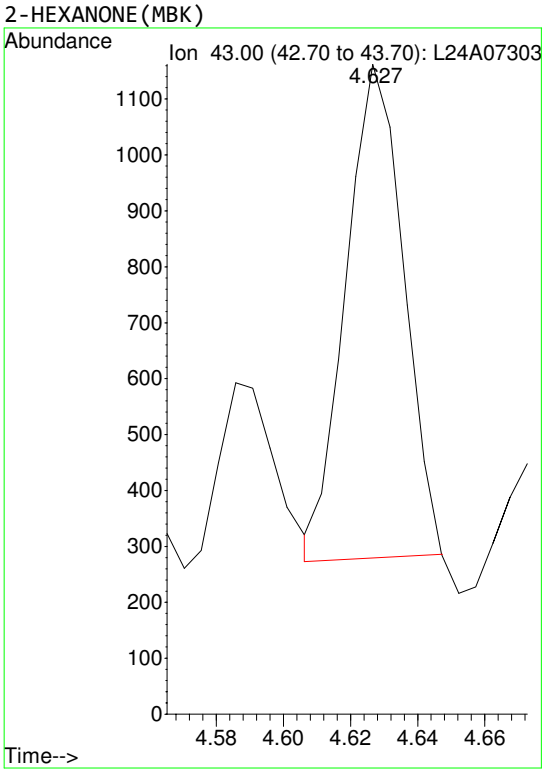
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

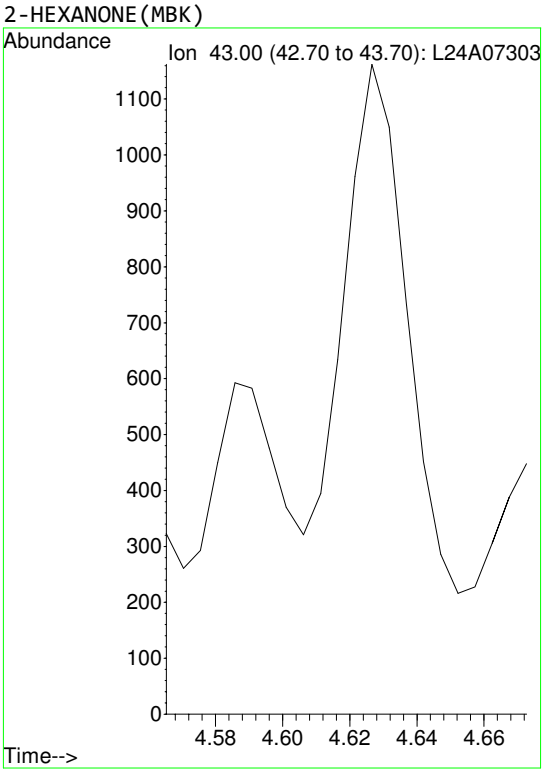
RT : 4.63
Area : 1054
Amount: 0.0250908

Manual Int. Results

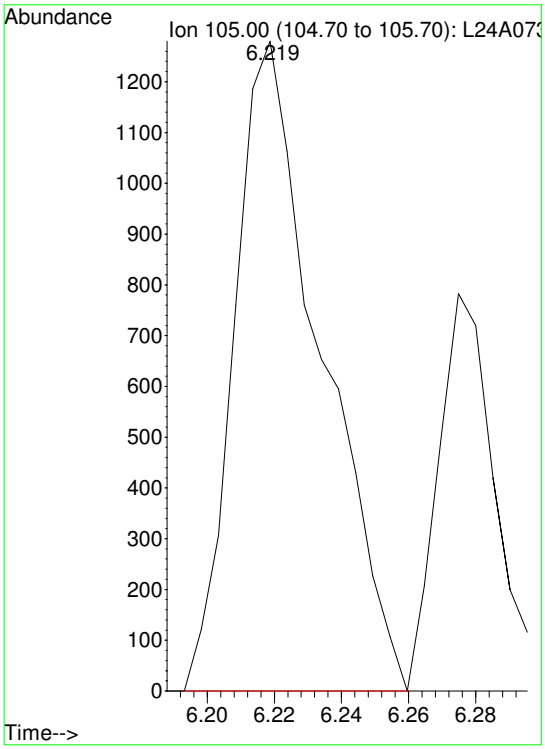
Fri Mar 15 11:25:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

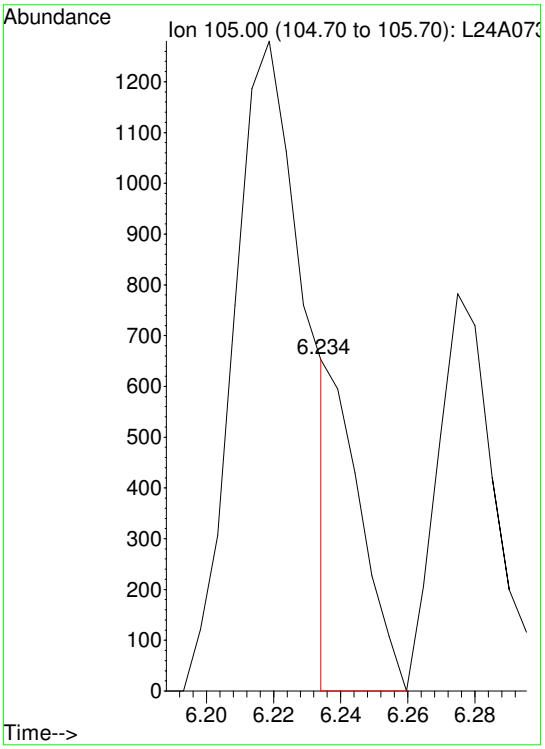
RT : 6.22
Area : 2297
Amount: 0.0262817

Manual Int. Results

Fri Mar 15 11:26:00 2024

MIuser: TPH
Reason: Other
RT : 6.23
Area : 417
Amount: 0.00477122

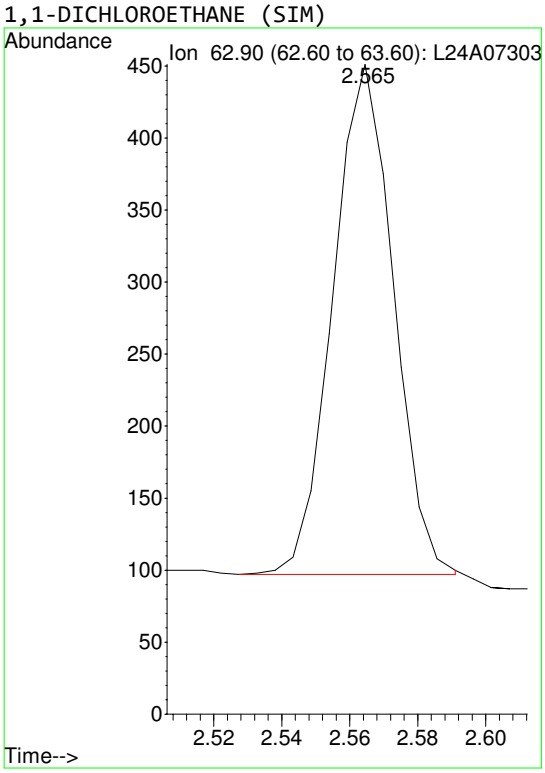
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE (SIM)



Original Int. Results

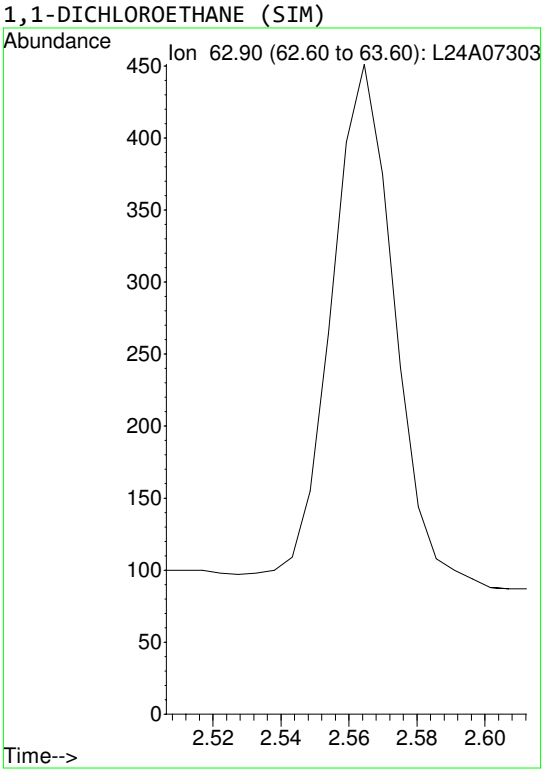
RT : 2.56
Area : 438
Amount: 0.0115943

Manual Int. Results

Fri Mar 15 11:26:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-06	File ID:	L24A073031.D
Sampled:	02/28/24 18:30	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:23
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	18	0.71	1.4	
71-43-2	Benzene	0.16	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	34	0.68	1.4	
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.079	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.070	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.038	0.017	0.035	
67-66-3	Chloroform (SIM)	0.038	0.0018	0.0070	
74-87-3	Chloromethane	0.61	0.047	0.070	
110-82-7	Cyclohexane	0.048	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	0.083	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.46	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.082	0.013	0.035	
107-62-2	1,2-Dichloroethane (SIM)	0.077	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-06	File ID:	L24A073031.D
Sampled:	02/28/24 18:30	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:23
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)	0.0070	0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.015	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	420	0.93	1.4	E
141-78-6	Ethyl Acetate	1.5	0.14	0.35	
100-41-4	Ethylbenzene	0.068	0.012	0.035	
622-96-8	4-Ethyltoluene	0.070	0.015	0.035	
142-82-5	Heptane	0.14	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)	0.022	0.015	0.035	J
67-63-0	Isopropanol	25	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.13	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.044	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.29	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-06	File ID:	L24A073031.D
Sampled:	02/28/24 18:30	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:23
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran		0.13	0.35	
108-88-3	Toluene	0.50	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.22	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.071	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.60	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.15	0.027	0.035	
108-05-4	Vinyl Acetate	0.43	0.14	0.70	J
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.19	0.024	0.070	
95-47-6	o-Xylene	0.090	0.013	0.035	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073031.D Vial: 27
Acq On : 14 Mar 2024 01:23 am Operator: CMR
Sample : 24C0251-06 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:58 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073031.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.869	49	203914	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	614929	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	579324	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	225897	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	655387	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	646489	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.853	174	301217	7.554	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.38%				
87) 4-BROMOFLUOROBENZENE (...	5.856	174	317327	7.667	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.88%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	29737	0.660	PPBV		99
4) CHLOROMETHANE	1.575	50	13647	0.877	PPBV		94
5) FREON 114	1.601	85	961	0.021	PPBV		82
8) BROMOMETHANE	1.734	94	469	0.029	PPBV	#	60
9) CHLOROETHANE	1.780	64	265	0.025	PPBV		84
10) ACROLEIN	1.902	56	8333	1.030	PPBV		94
11) ACETONE	1.938	43	751047	26.255	PPBV		77
12) TRICHLOROFLUOROMETHANE	1.989	101	14382	0.311	PPBV		99
13) ETHANOL	1.805	45	2664981	603.511	PPBV		98
15) METHYLENE CHLORIDE	2.212	49	4227	0.190	PPBV	#	73
16) FREON 113	2.302	101	3730	0.102	PPBV		94
17) CARBON DISULFIDE	2.302	76	2033	0.039	PPBV		96
20) MTBE	2.583	73	874	0.016	PPBV	#	1
21) IPA	2.010	45	1079089	35.856	PPBV		96
22) 2-BUTANONE(MEK)	2.684	43	1713388	48.654	PPBV		86
24) VINYL ACETATE	2.599	43	23094	0.619	PPBV		80
25) HEXANE	2.896	41	6702	0.353	PPBV		87
26) ETHYL ACETATE	2.901	45	13060	2.144	PPBV		87
27) CHLOROFORM	2.912	83	2034	0.055	PPBV		87
28) TETRAHYDROFURAN	3.060	42	2079	0.090	PPBV	#	24
29) 1,2-DICHLOROETHANE	3.153	62	2927	0.118	PPBV		96
32) BENZENE	3.400	78	12474	0.224	PPBV		96
33) CARBON TETRACHLORIDE	3.458	117	4439	0.113	PPBV		93
34) CYCLOHEXANE	3.506	84	1610	0.069	PPBV	#	36
39) METHYLMETHACRYLATE	3.877	69	6959	0.358	PPBV	#	70
40) HEPTANE	3.918	57	3443	0.196	PPBV	#	79
46) TOLUENE	4.490	91	48535	0.714	PPBV		99
47) 2-HEXANONE(MBK)	4.613	43	1357	0.031	PPBV	#	59
50) TETRACHLOROETHENE	4.940	166	791	0.026	PPBV		90
52) ETHYLBENZENE	5.382	91	8254	0.097	PPBV		97
53) M/P-XYLENE	5.456	91	19003	0.270	PPBV		93
55) STYRENE	5.610	104	20120	0.416	PPBV		93
56) O-XYLENE	5.657	91	8892	0.129	PPBV		98
59) 4-ETHYLTOLUENE	6.232	105	9137m	0.101	PPBV		
60) 1,3,5-TRIMETHYLBENZENE	6.278	105	16526	0.216	PPBV		96
61) 1,2,4-TRIMETHYLBENZENE	6.472	105	63544	0.859	PPBV		97
62) 1,3-DICHLOROBENZENE	6.534	146	569	0.013	PPBV	#	1
64) 1,4-DICHLOROBENZENE	6.570	146	5019	0.119	PPBV		91
67) NAPHTHALENE	7.797	128	4329	0.063	PPBV		95
75] CHLOROFORM (SIM)	2.914	83	2204	0.055	PPBV		93

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073031.D Vial: 27
Acq On : 14 Mar 2024 01:23 am Operator: CMR
Sample : 24C0251-06 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:58 2024

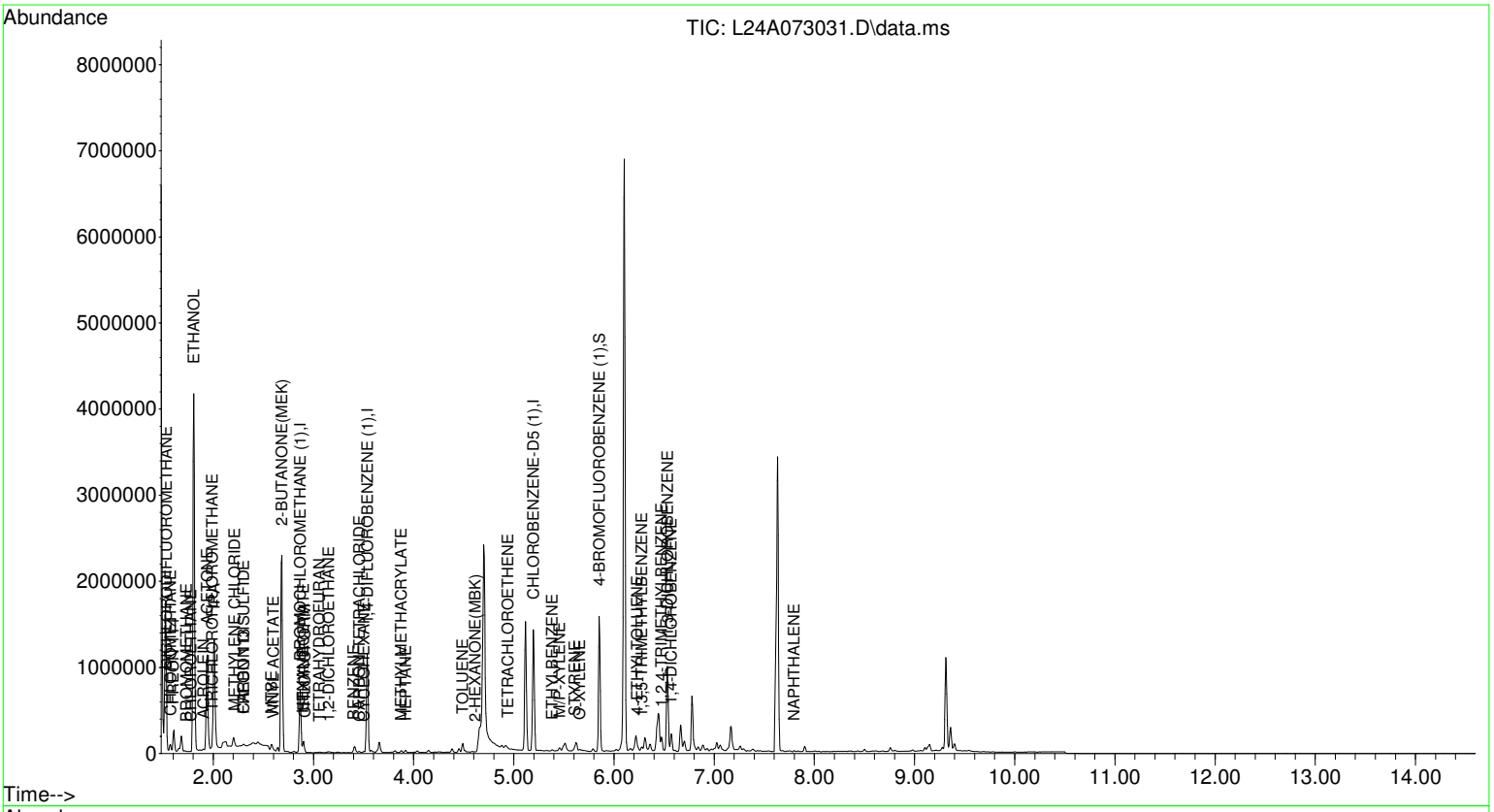
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073031.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

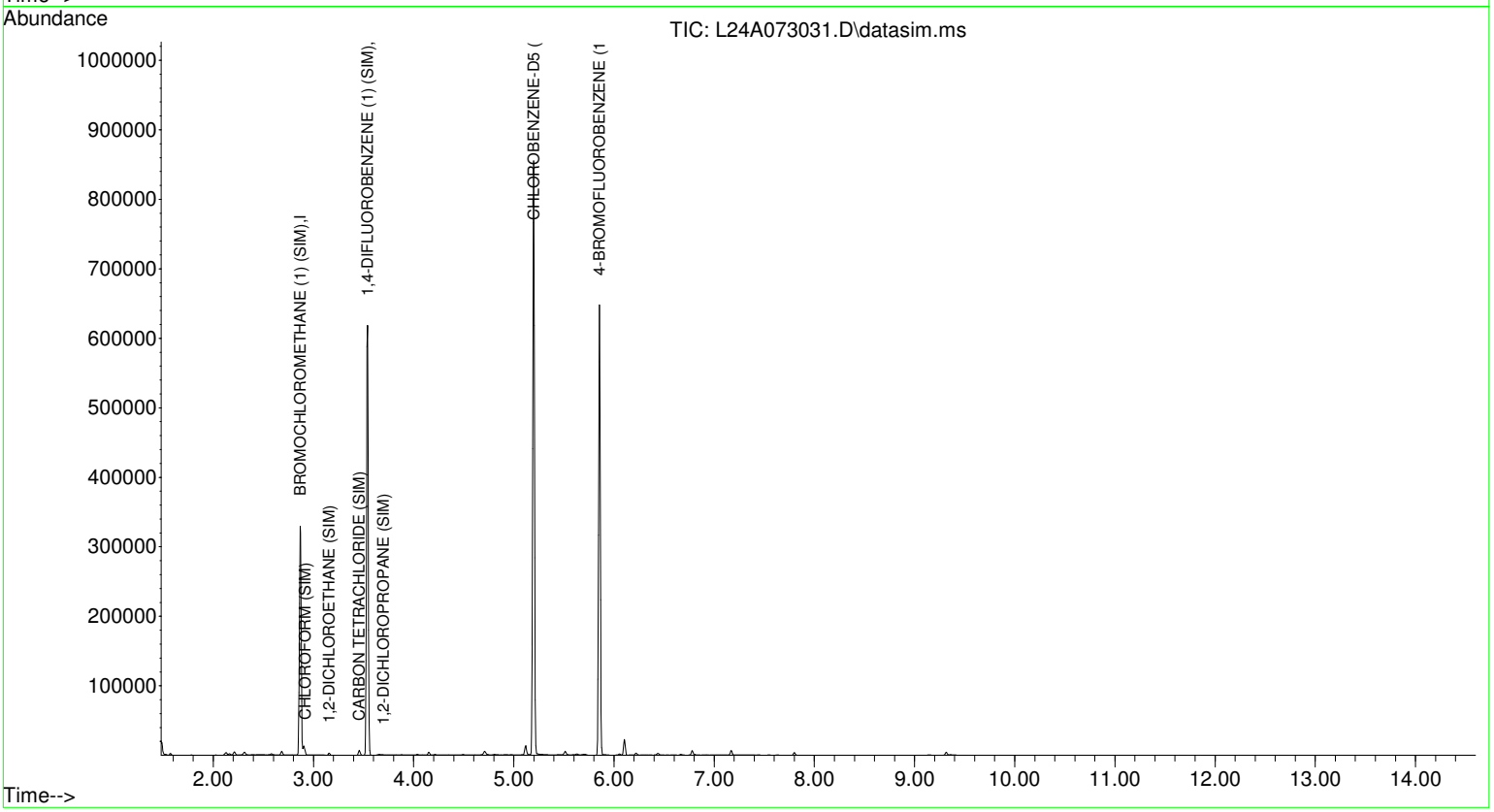
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	2920	0.111	PPBV	98
78] CARBON TETRACHLORIDE (...	3.456	117	4392	0.101	PPBV	99
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	220	0.010	PPBV	93

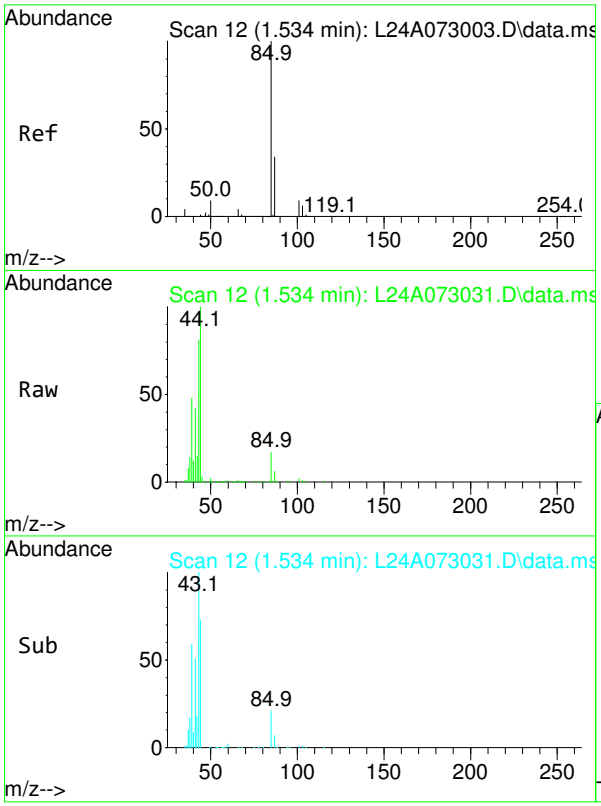
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073031.D Vial: 27
Acq On : 14 Mar 2024 01:23 am Operator: CMR
Sample : 24C0251-06 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:58 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073031.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



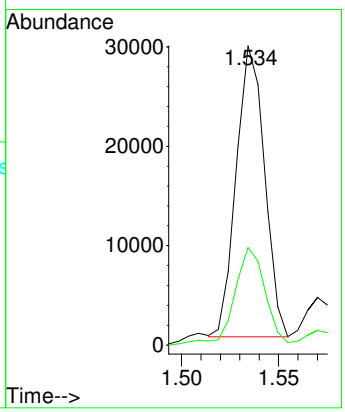


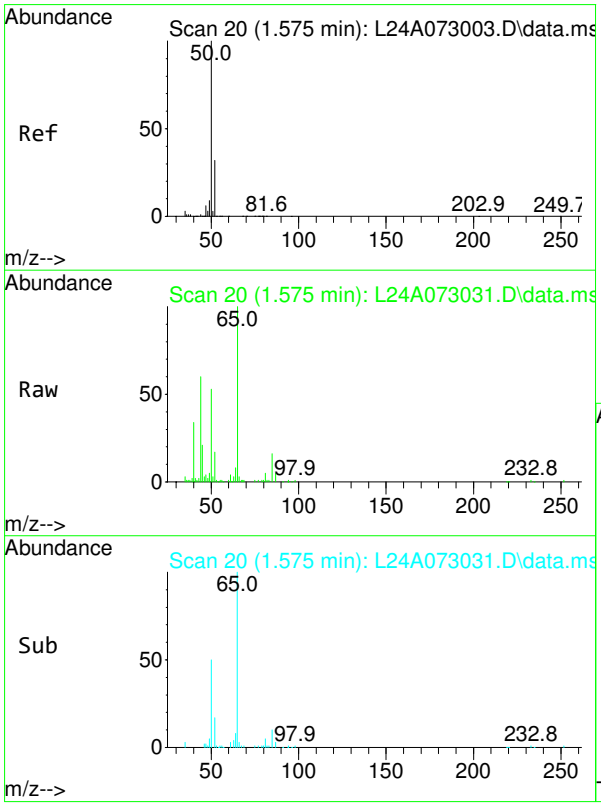


#3
DICHLORODIFLUOROMETHANE
Concen: 0.66 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 85 Resp: 29737

Ion	Ratio	Lower	Upper
85	100		
87	32.8	12.0	52.0

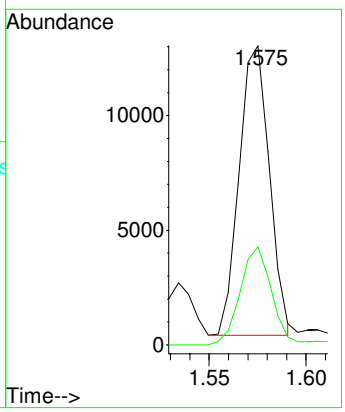


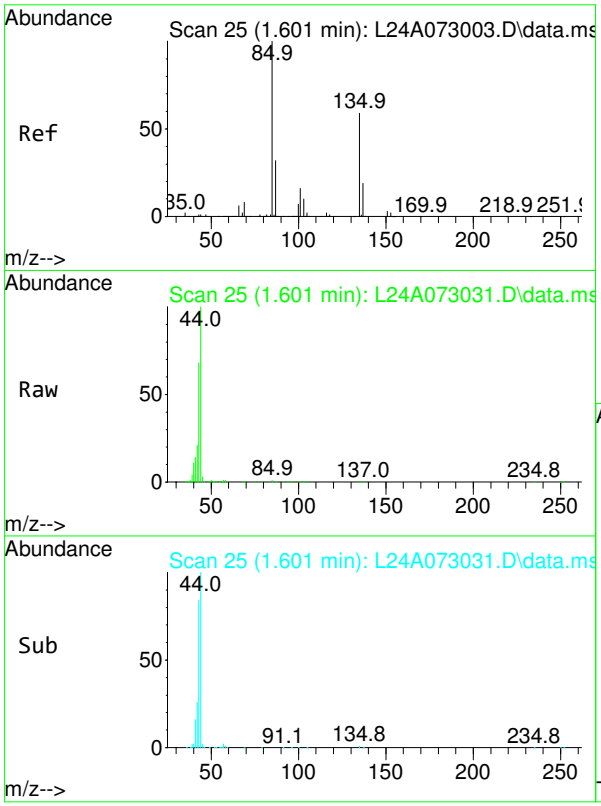


#4
CHLOROMETHANE
Concen: 0.88 PPBV
RT: 1.575 min Scan# 20
Delta R.T. 0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 50 Resp: 13647

Ion	Ratio	Lower	Upper
50	100		
52	34.6	11.2	51.2

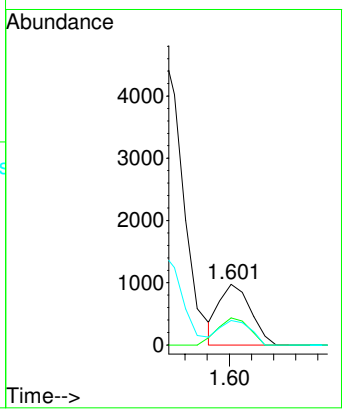


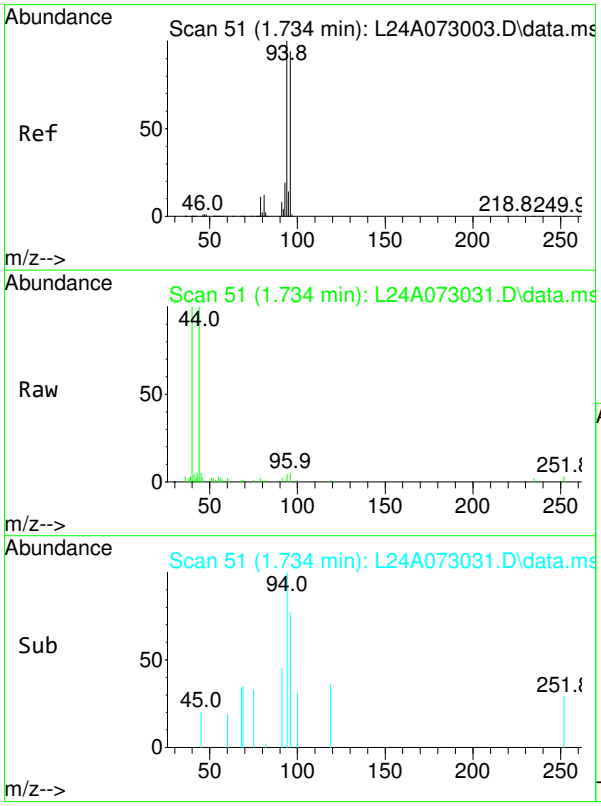


#5
FREON 114
Concen: 0.02 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 85 Resp: 961

Ion	Ratio	Lower	Upper
85	100		
135	45.7	41.5	81.5
87	40.0	12.1	52.1

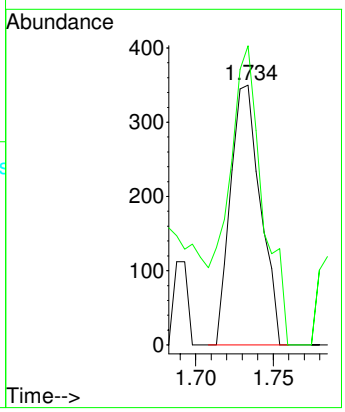


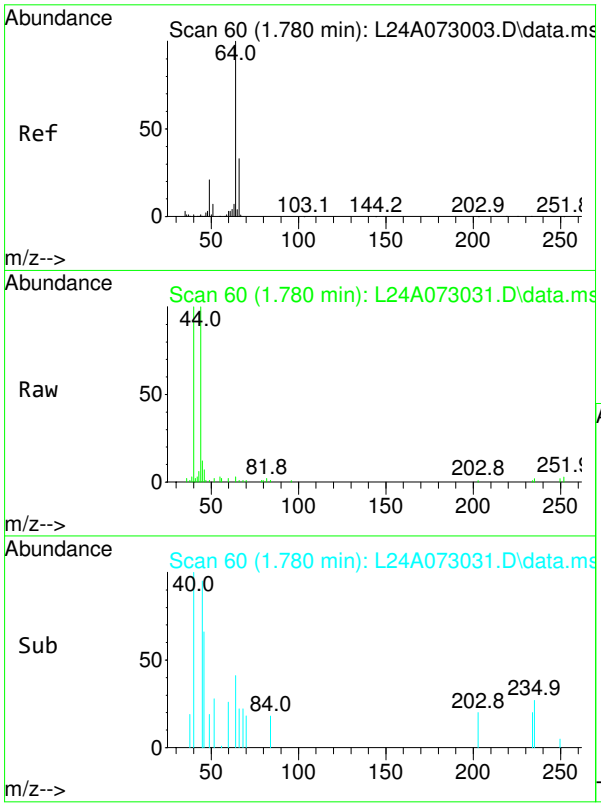


#8
BROMOMETHANE
Concen: 0.03 PPBV
RT: 1.734 min Scan# 51
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 94 Resp: 469

Ion	Ratio	Lower	Upper
94	100		
96	132.0	73.3	113.3#

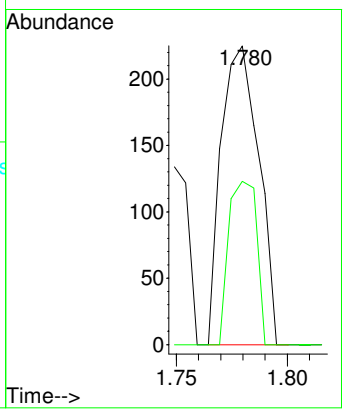


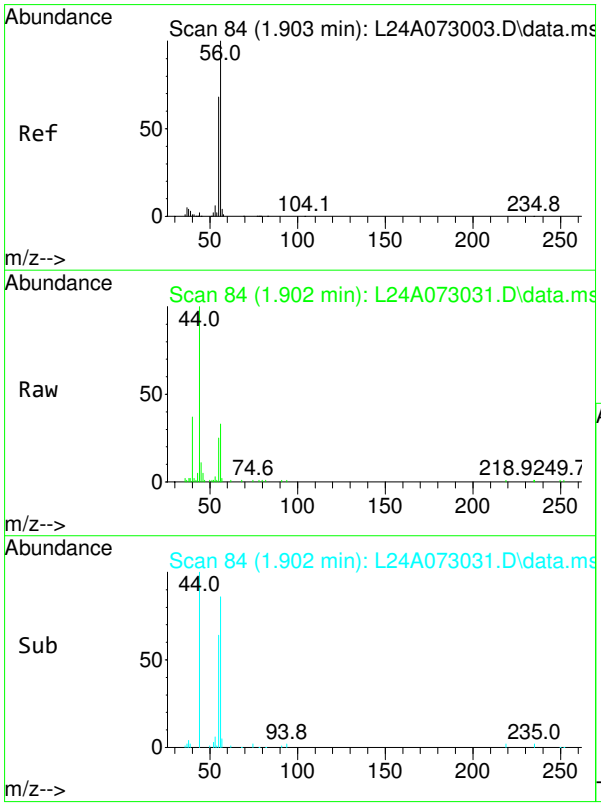


#9
CHLOROETHANE
Concen: 0.03 PPBV
RT: 1.780 min Scan# 60
Delta R.T. 0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 64 Resp: 265

Ion	Ratio	Lower	Upper
64	100		
66	40.8	11.9	51.9

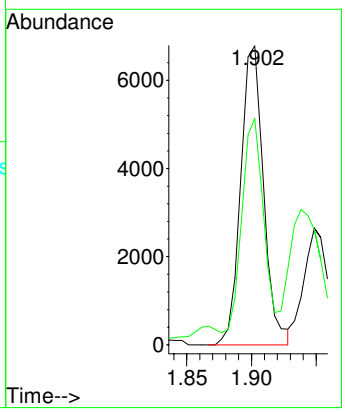


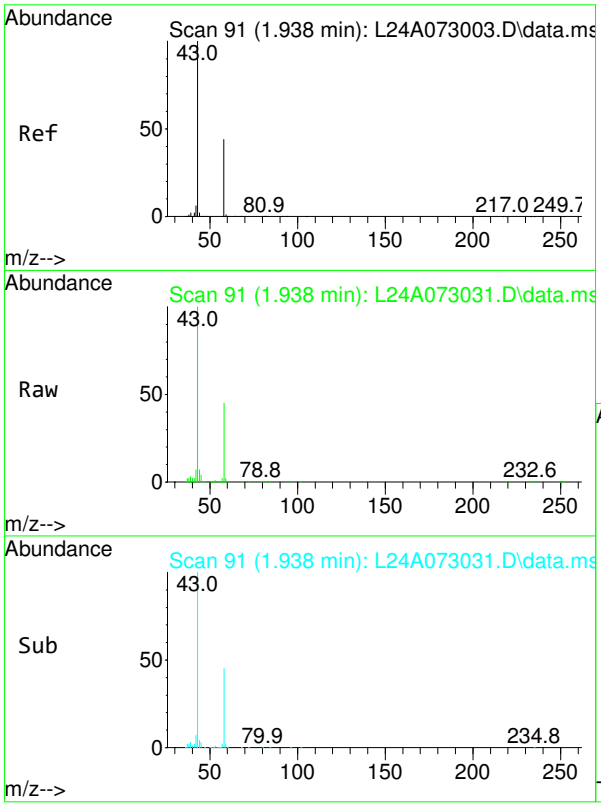


#10
ACROLEIN
Concen: 1.03 PPBV
RT: 1.902 min Scan# 84
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 56 Resp: 8333

Ion	Ratio	Lower	Upper
56	100		
55	66.5	51.4	91.4

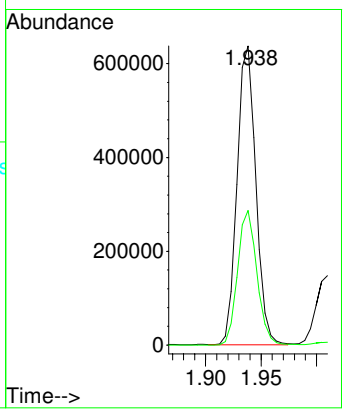


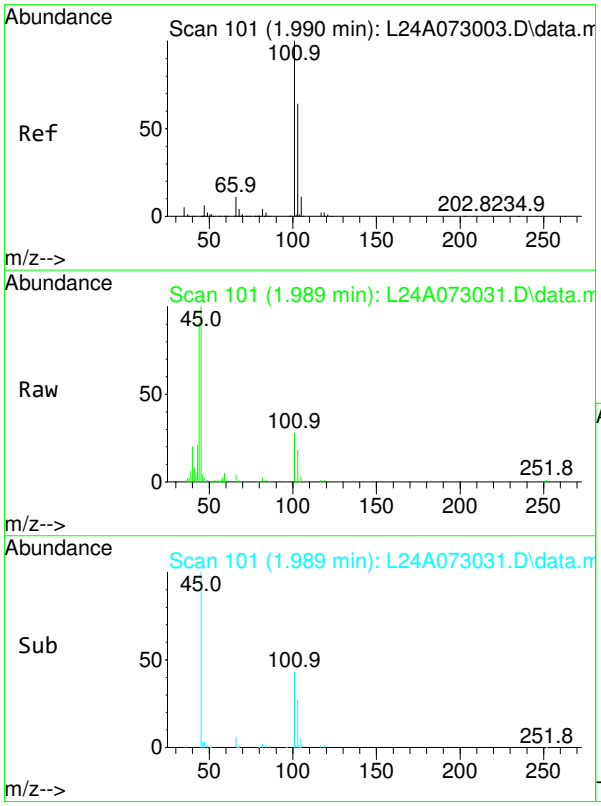


#11
ACETONE
Concen: 26.26 PPBV
RT: 1.938 min Scan# 91
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 751047

Ion	Ratio	Lower	Upper
43	100		
58	46.3	13.1	53.1

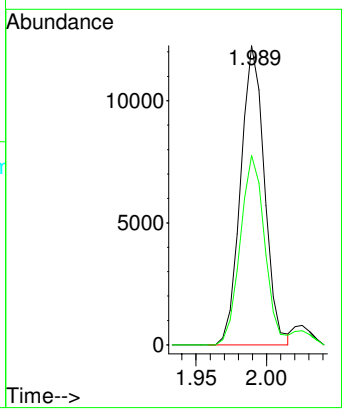


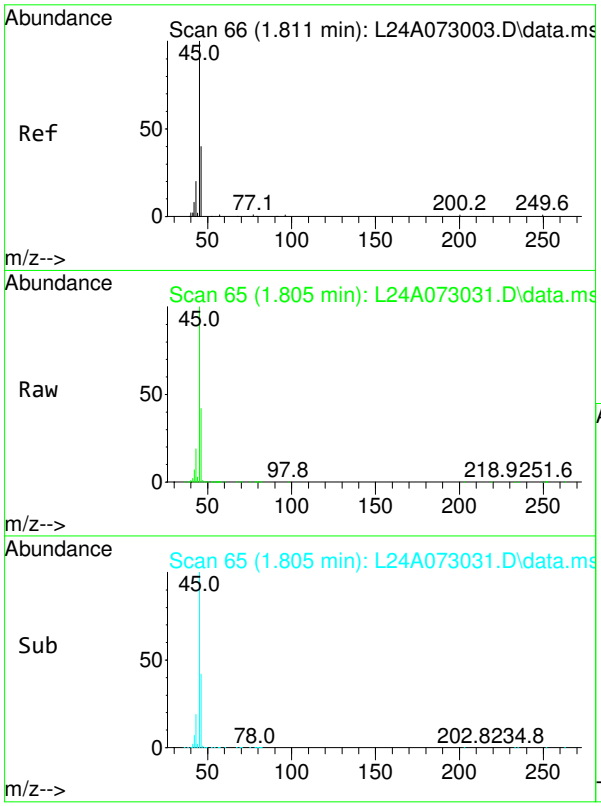


#12
TRICHLOROFLUOROMETHANE
Concen: 0.31 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:101 Resp: 14382

Ion	Ratio	Lower	Upper
101	100		
103	65.1	44.7	84.7

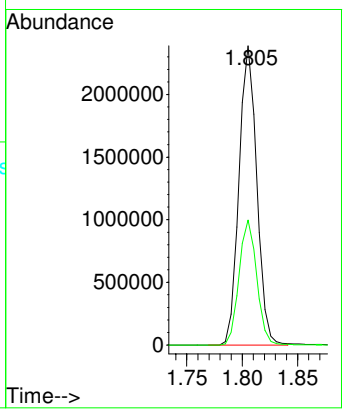


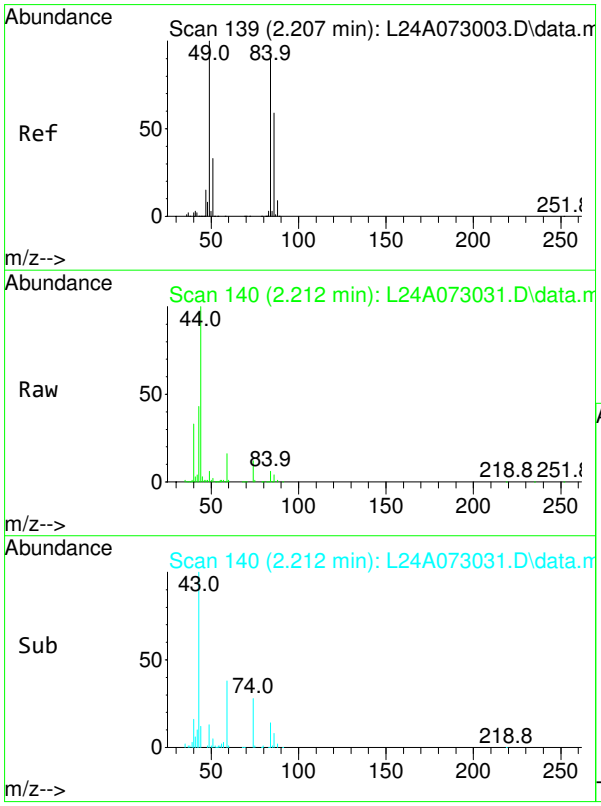


#13
ETHANOL
Concen: 603.51 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 45 Resp: 2664981

Ion	Ratio	Lower	Upper
45	100		
46	41.6	20.5	60.5

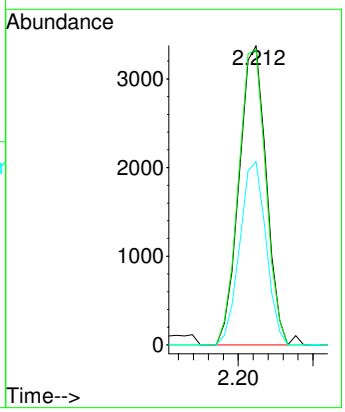


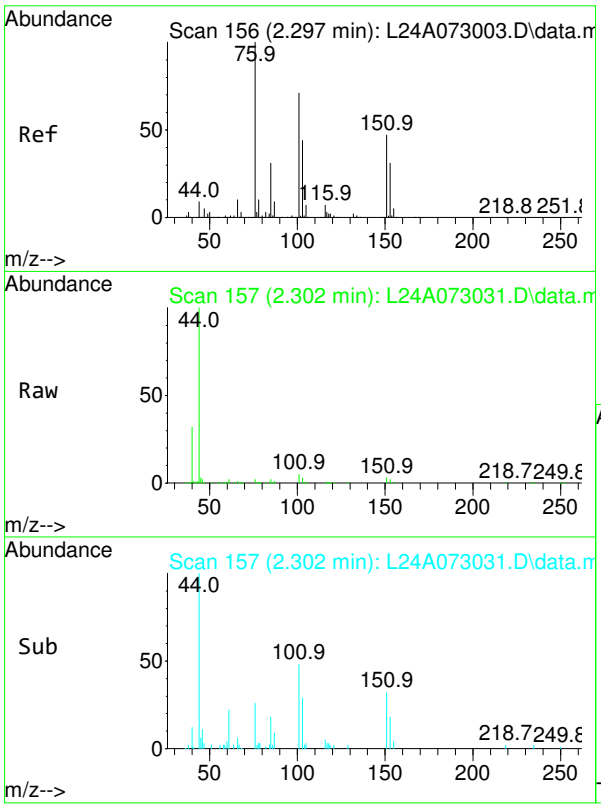


#15
METHYLENE CHLORIDE
Concen: 0.19 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 49 Resp: 4227

Ion	Ratio	Lower	Upper
49	100		
84	100.0	52.0	92.0#
86	59.4	27.3	67.3

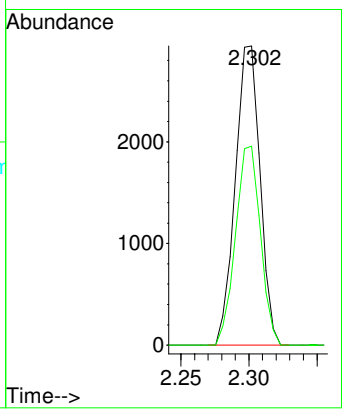


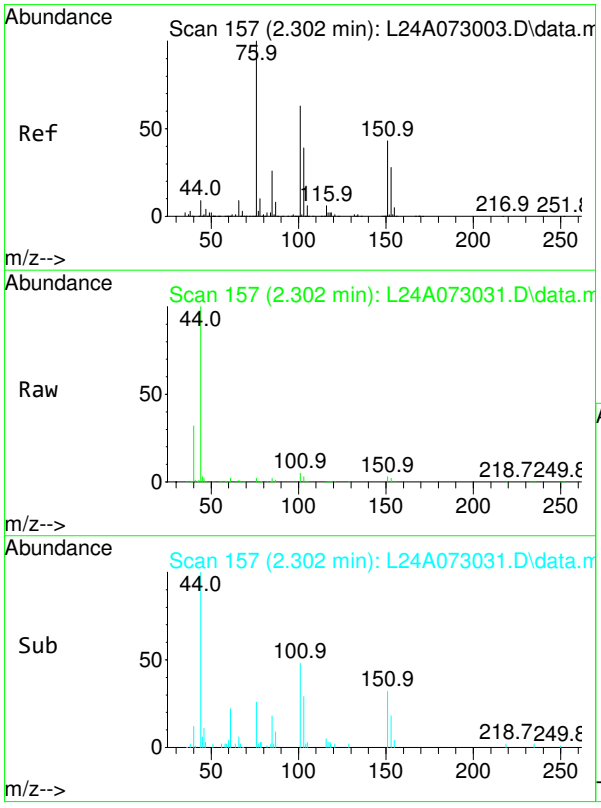


#16
FREON 113
Concen: 0.10 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:101 Resp: 3730

Ion	Ratio	Lower	Upper
101	100		
151	66.9	52.3	92.3

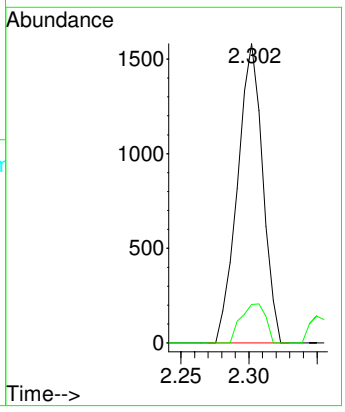


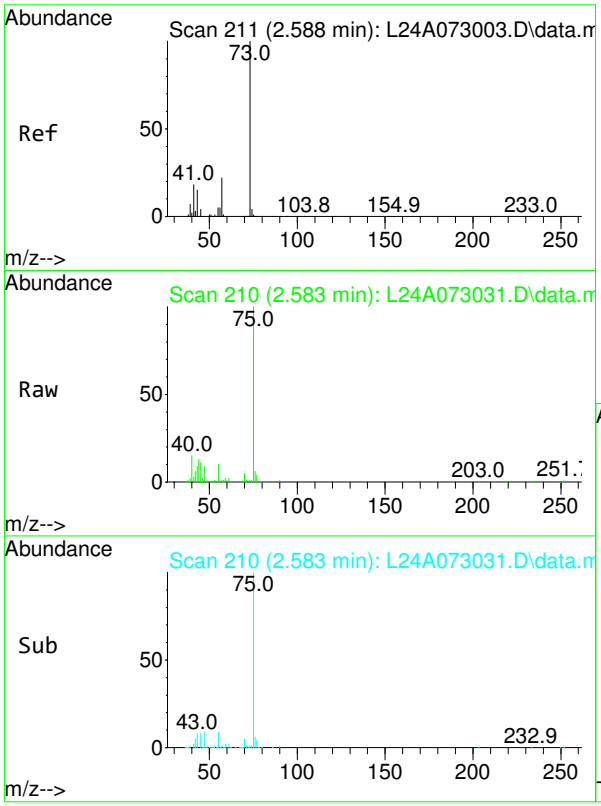


#17
CARBON DISULFIDE
Concen: 0.04 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 76 Resp: 2033

Ion	Ratio	Lower	Upper
76	100		
78	12.8	0.0	31.1

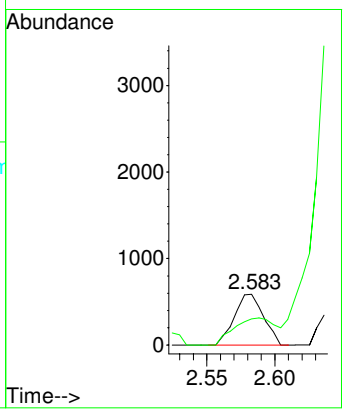


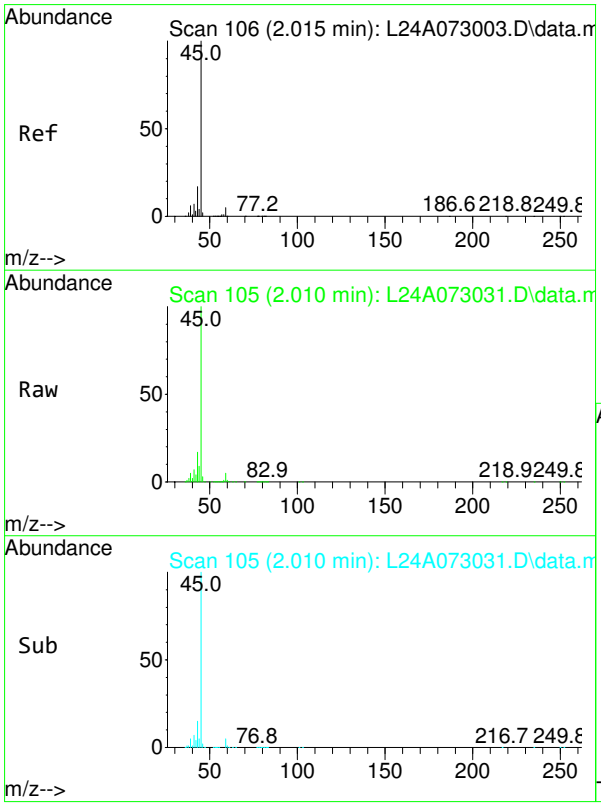


#20
MTBE
Concen: 0.02 PPBV
RT: 2.583 min Scan# 210
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 73 Resp: 874

Ion	Ratio	Lower	Upper
73	100		
57	77.1	4.6	44.6#

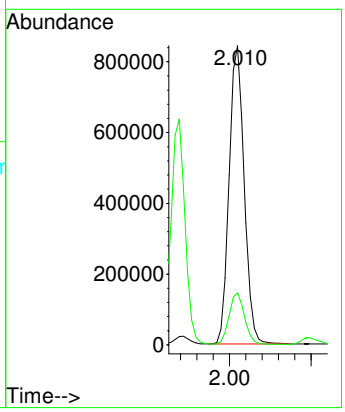


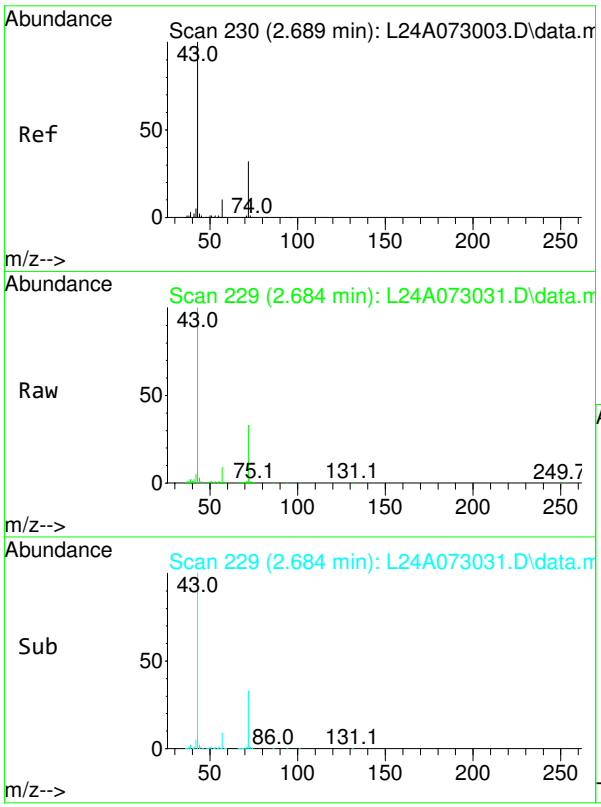


#21
IPA
Concen: 35.86 PPBV
RT: 2.010 min Scan# 105
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 45 Resp: 1079089

Ion	Ratio	Lower	Upper
45	100		
43	17.7	0.0	39.3

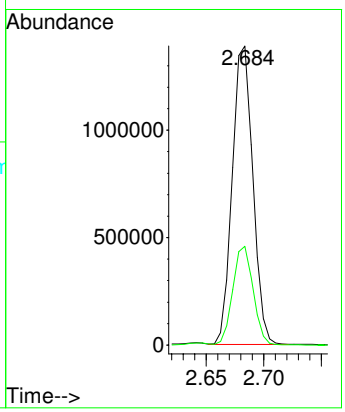


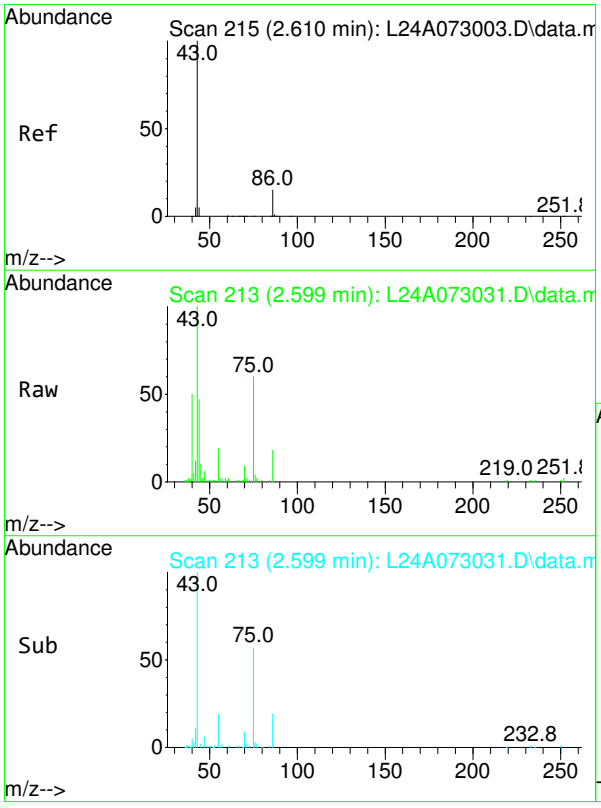


#22
2-BUTANONE(MEK)
Concen: 48.65 PPBV
RT: 2.684 min Scan# 229
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 1713388

Ion	Ratio	Lower	Upper
43	100		
72	32.6	5.6	45.6

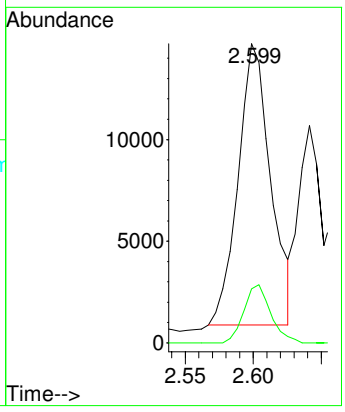


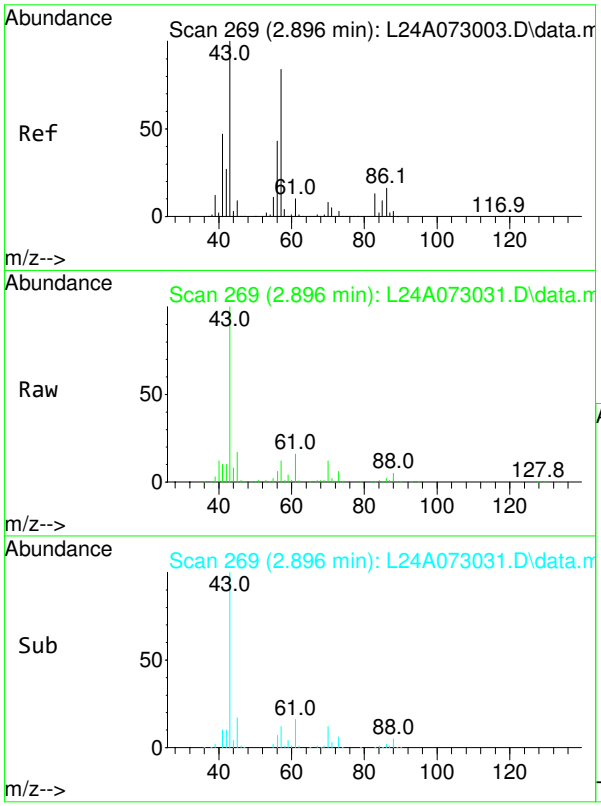


#24
VINYL ACETATE
Concen: 0.62 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 23094

Ion	Ratio	Lower	Upper
43	100		
86	17.0	0.0	19.5

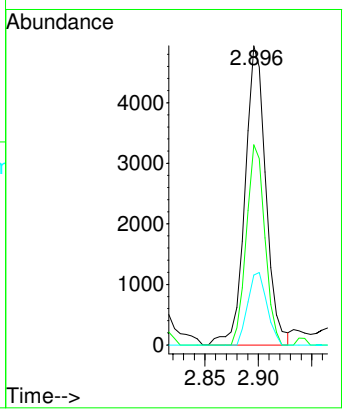


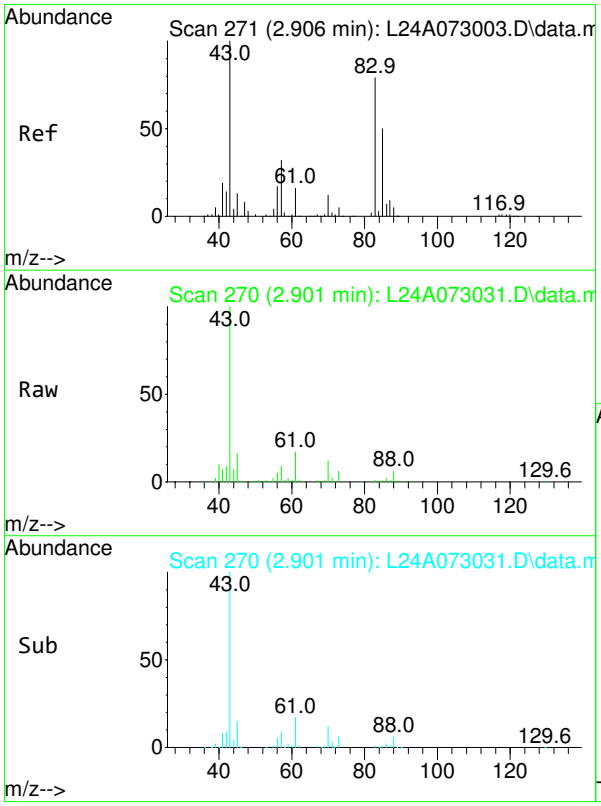


#25
HEXANE
Concen: 0.35 PPBV
RT: 2.896 min Scan# 269
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 41 Resp: 6702

Ion	Ratio	Lower	Upper
41	100		
56	59.4	52.3	92.3
86	22.2	16.1	36.1

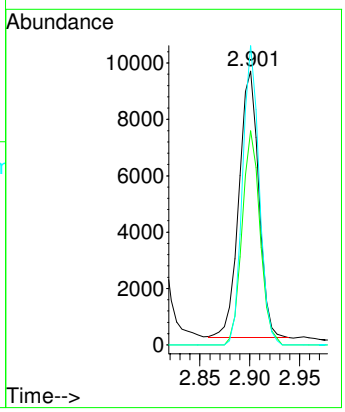


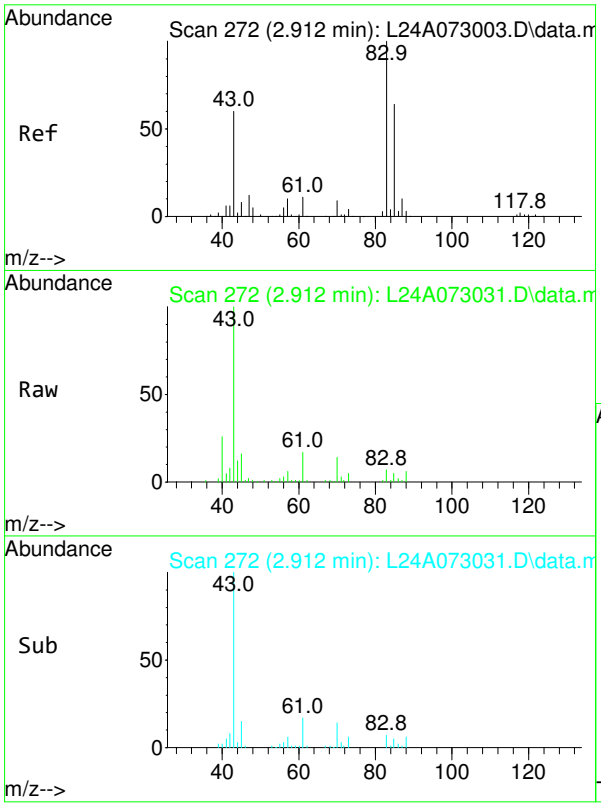


#26
ETHYL ACETATE
Concen: 2.14 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 45 Resp: 13060

Ion	Ratio	Lower	Upper
45	100		
70	72.7	68.8	108.8
61	94.4	83.3	123.3

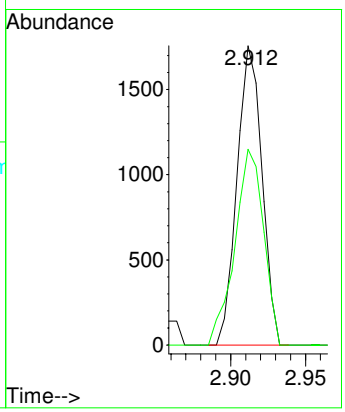


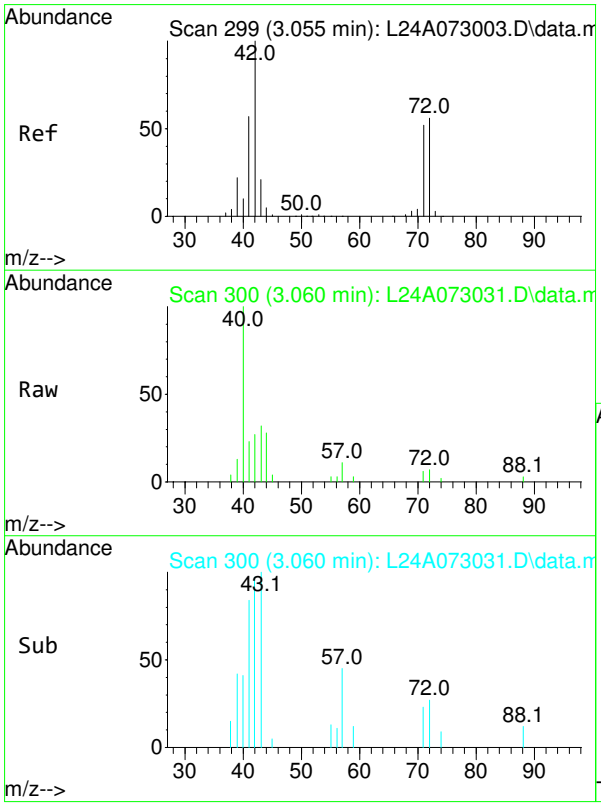


#27
CHLOROFORM
Concen: 0.06 PPBV
RT: 2.912 min Scan# 272
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 83 Resp: 2034

Ion	Ratio	Lower	Upper
83	100		
85	75.3	44.8	84.8

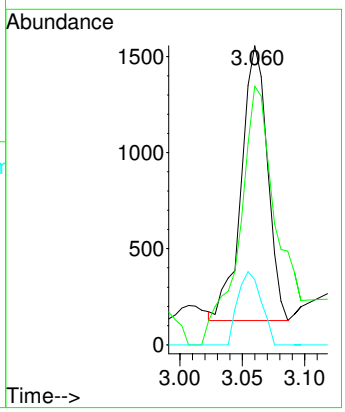


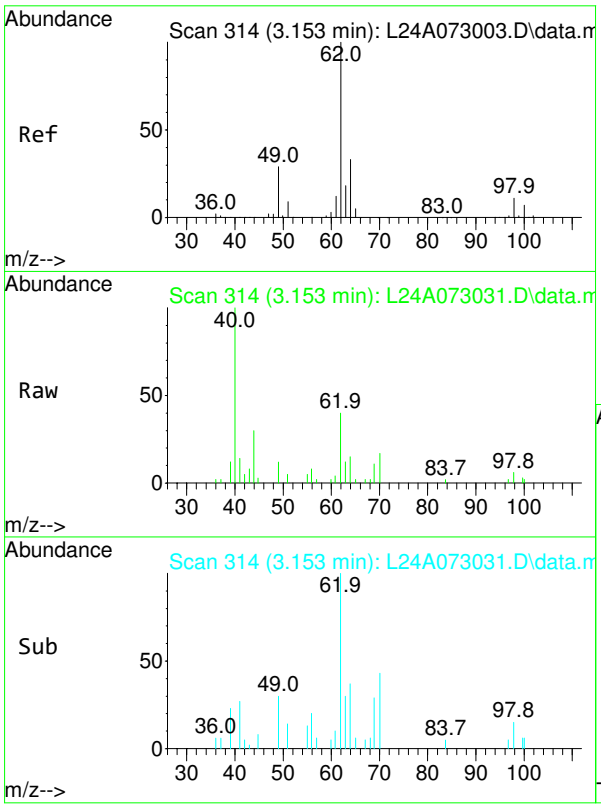


#28
TETRAHYDROFURAN
Concen: 0.09 PPBV
RT: 3.060 min Scan# 300
Delta R.T. 0.009 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 42 Resp: 2079

Ion	Ratio	Lower	Upper
42	100		
41	133.6	33.5	73.5#
71	24.1	24.0	64.0

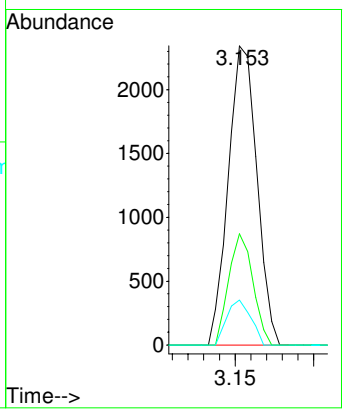


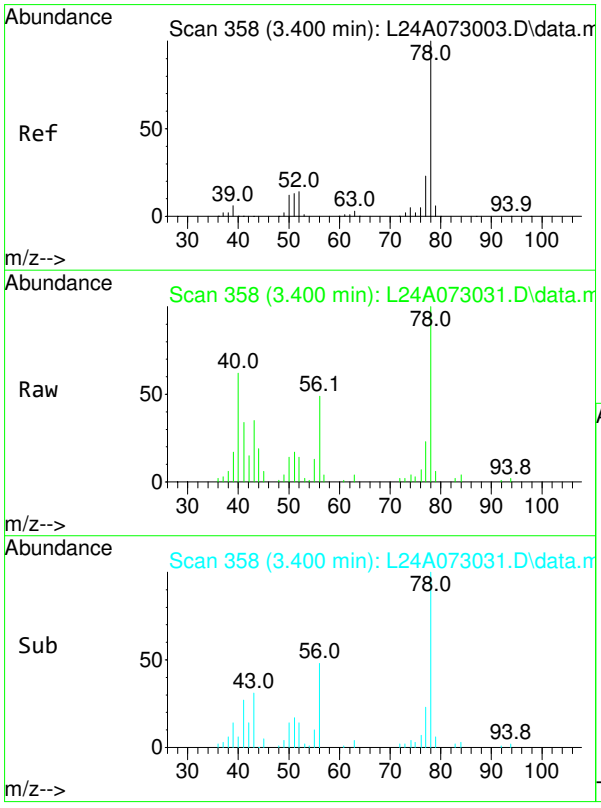


#29
1,2-DICHLOROETHANE
Concen: 0.12 PPBV
RT: 3.153 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 62 Resp: 2927

Ion	Ratio	Lower	Upper
62	100		
64	31.3	13.0	53.0
98	12.6	0.0	19.3

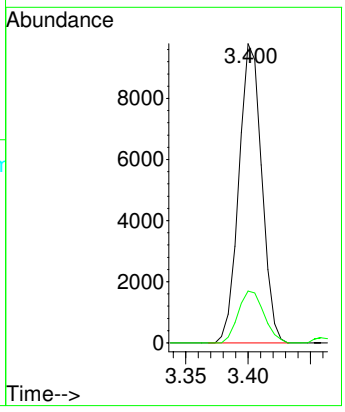


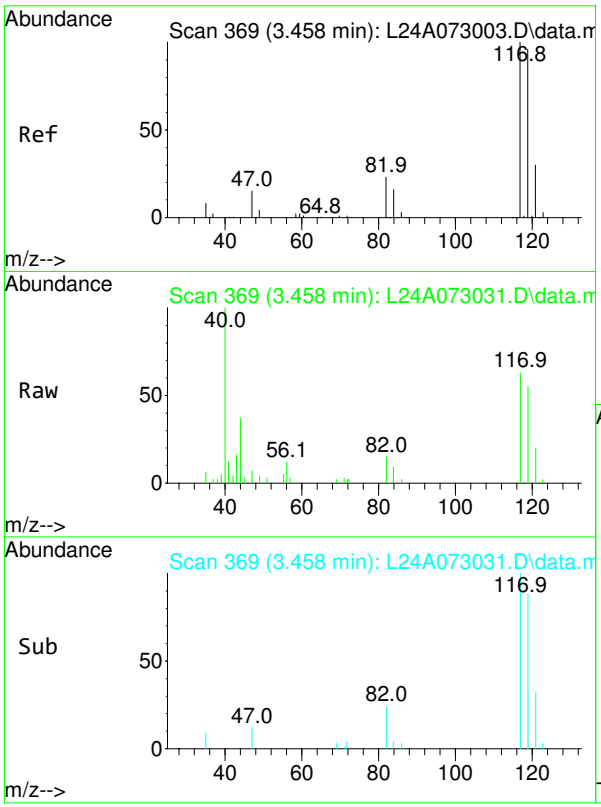


#32
BENZENE
Concen: 0.22 PPBV
RT: 3.400 min Scan# 358
Delta R.T. -0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 78 Resp: 12474

Ion	Ratio	Lower	Upper
78	100		
51	19.5	0.0	37.7

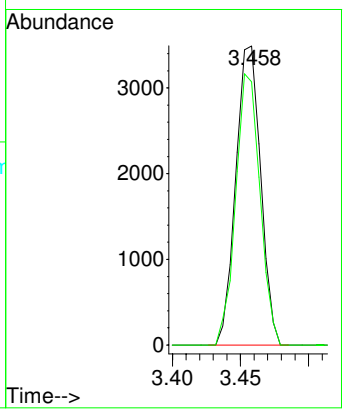


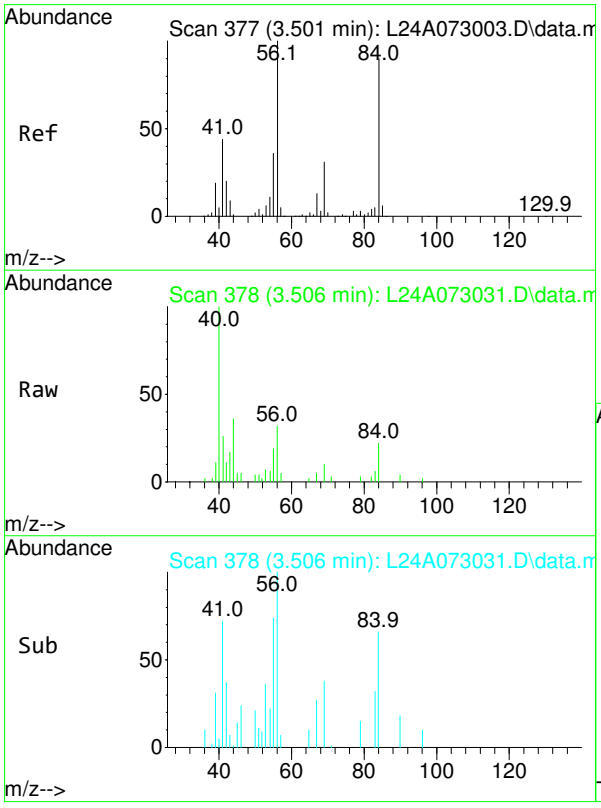


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 3.458 min Scan# 369
Delta R.T. 0.000 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:117 Resp: 4439

Ion	Ratio	Lower	Upper
117	100		
119	88.8	75.3	115.3

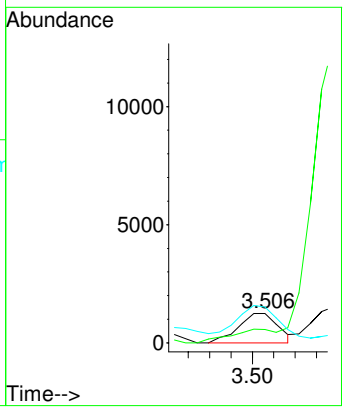


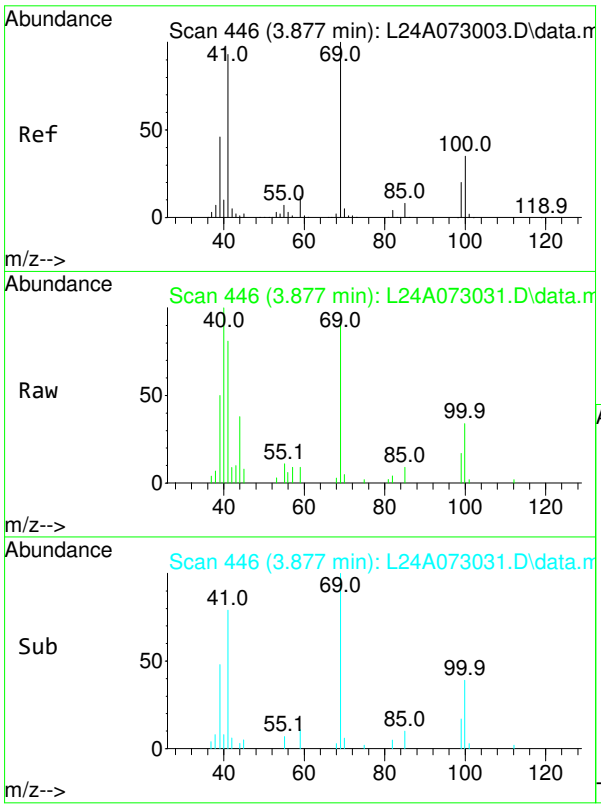


#34
CYCLOHEXANE
Concen: 0.07 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 84 Resp: 1610

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.7	57.7#
41	115.5	44.6	84.6#

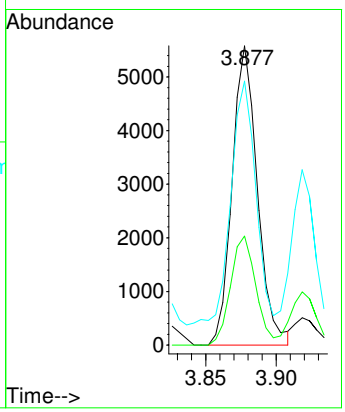


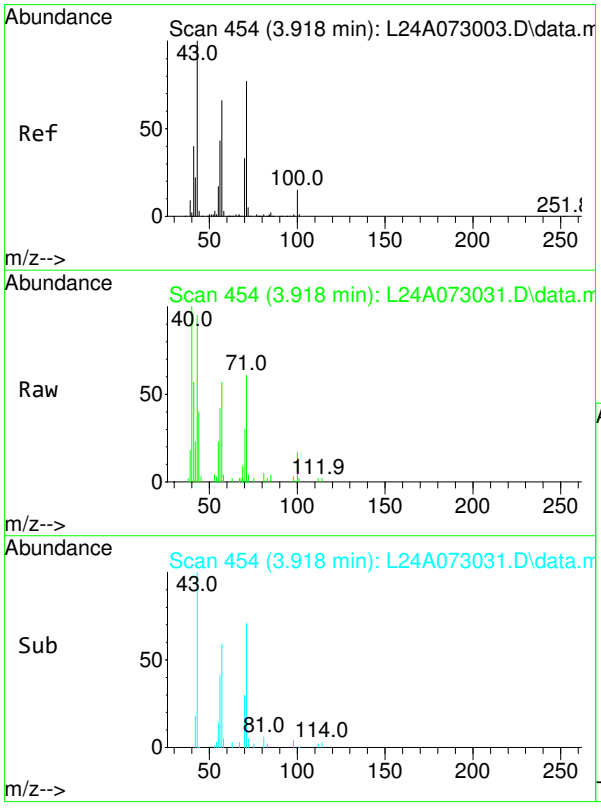


#39
METHYLMETHACRYLATE
Concen: 0.36 PPBV
RT: 3.877 min Scan# 446
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 69 Resp: 6959

Ion	Ratio	Lower	Upper
69	100		
100	36.2	18.0	58.0
41	79.6	102.8	142.8#

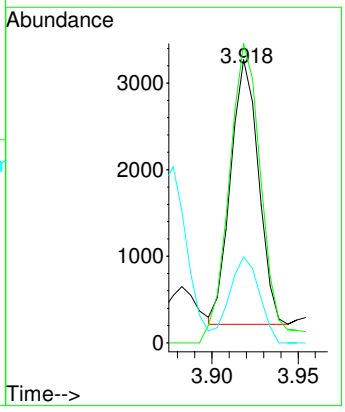


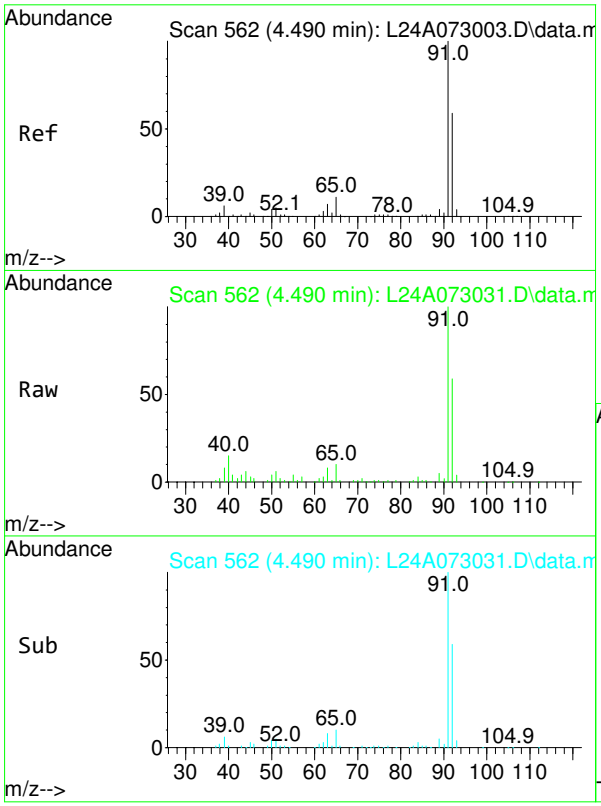


#40
HEPTANE
Concen: 0.20 PPBV
RT: 3.918 min Scan# 454
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 57 Resp: 3443

Ion	Ratio	Lower	Upper
57	100		
71	130.0	87.9	127.9#
100	35.1	4.4	44.4

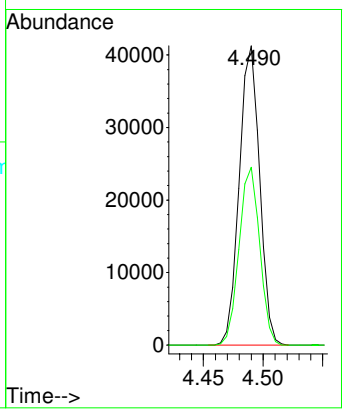


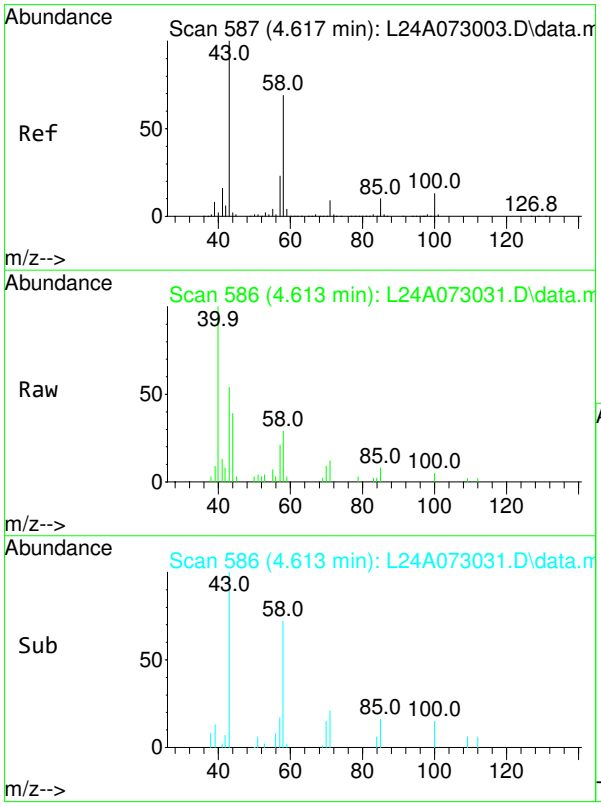


#46
TOLUENE
Concen: 0.71 PPBV
RT: 4.490 min Scan# 562
Delta R.T. -0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 48535

Ion	Ratio	Lower	Upper
91	100		
92	60.1	39.1	79.1

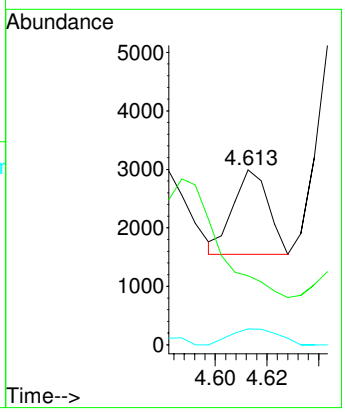


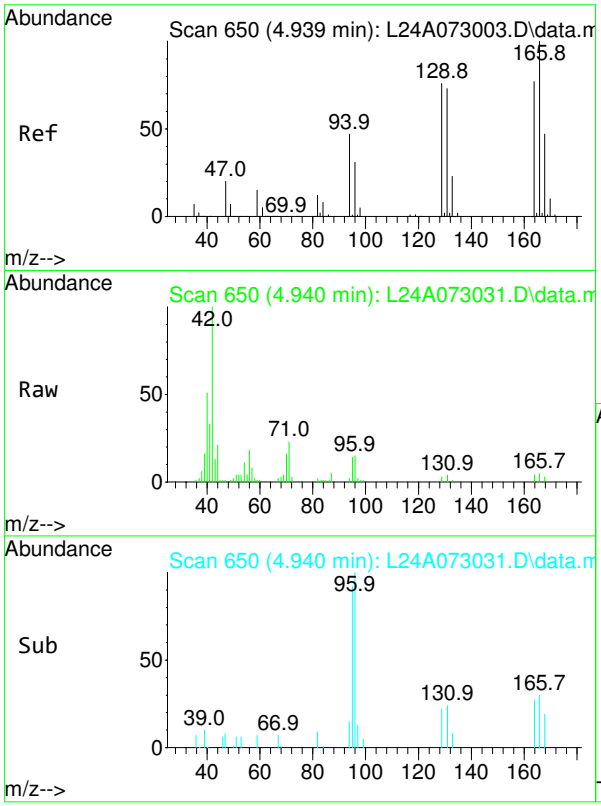


#47
2-HEXANONE(MBK)
Concen: 0.03 PPBV
RT: 4.613 min Scan# 586
Delta R.T. -0.007 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 1357

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	39.5
100	26.1	1.7	21.7#

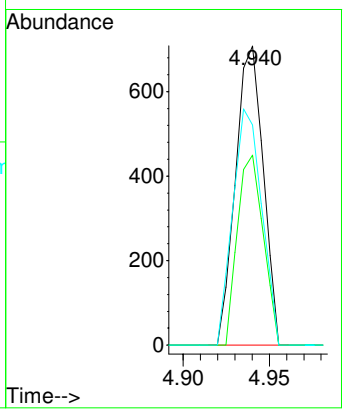


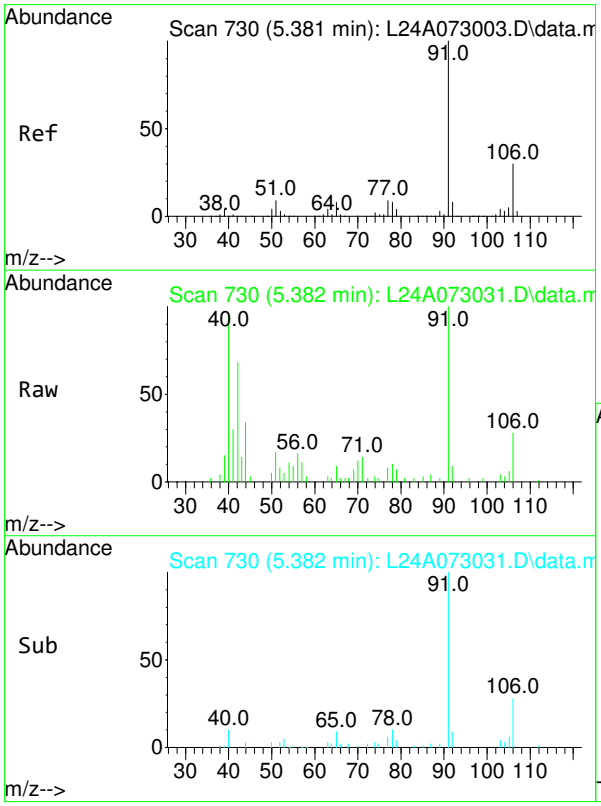


#50
TETRACHLOROETHENE
Concen: 0.03 PPBV
RT: 4.940 min Scan# 650
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:166 Resp: 791

Ion	Ratio	Lower	Upper
166	100		
168	59.3	28.8	68.8
129	82.4	56.6	96.6

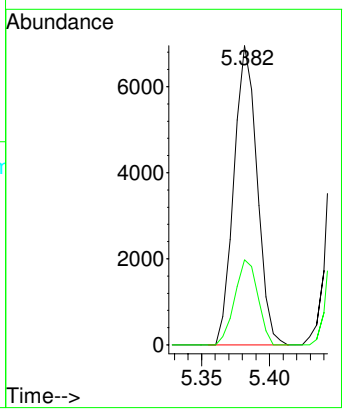


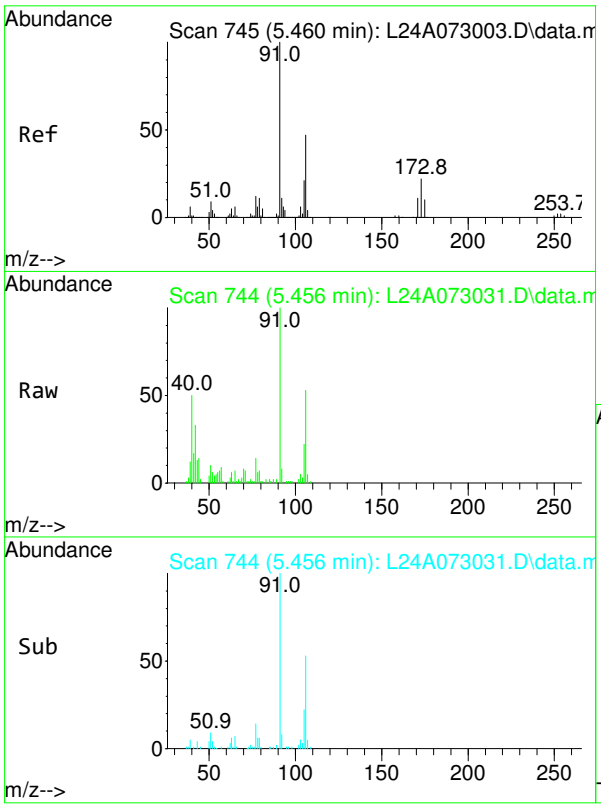


#52
ETHYLBENZENE
Concen: 0.10 PPBV
RT: 5.382 min Scan# 730
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 8254

Ion	Ratio	Lower	Upper
91	100		
106	28.2	10.1	50.1

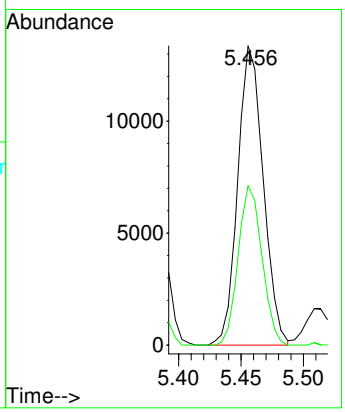


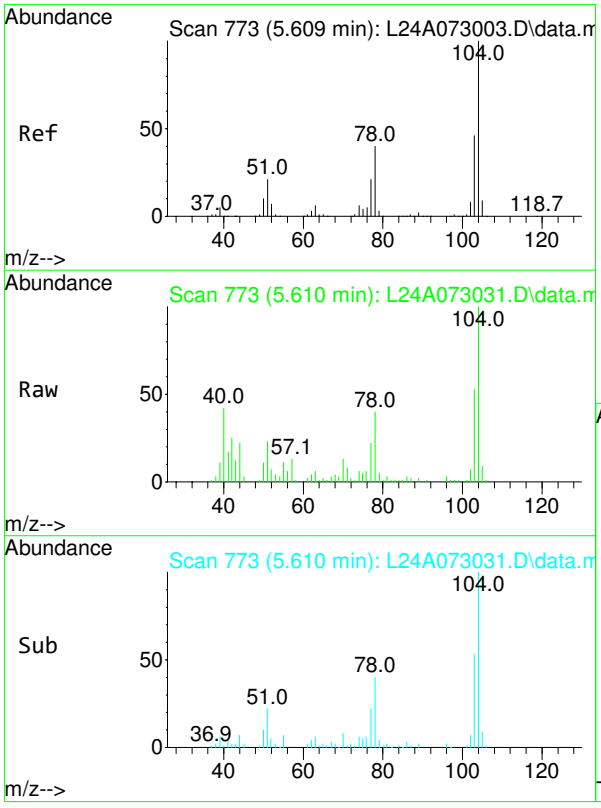


#53
M/P-XYLENE
Concen: 0.27 PPBV
RT: 5.456 min Scan# 744
Delta R.T. -0.012 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 19003

Ion	Ratio	Lower	Upper
91	100		
106	49.7	24.9	64.9

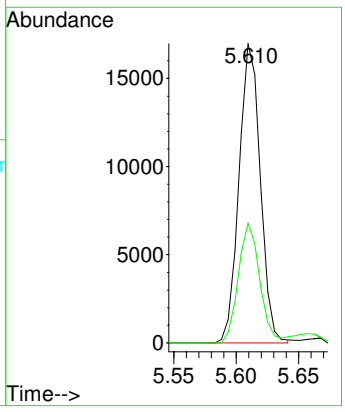


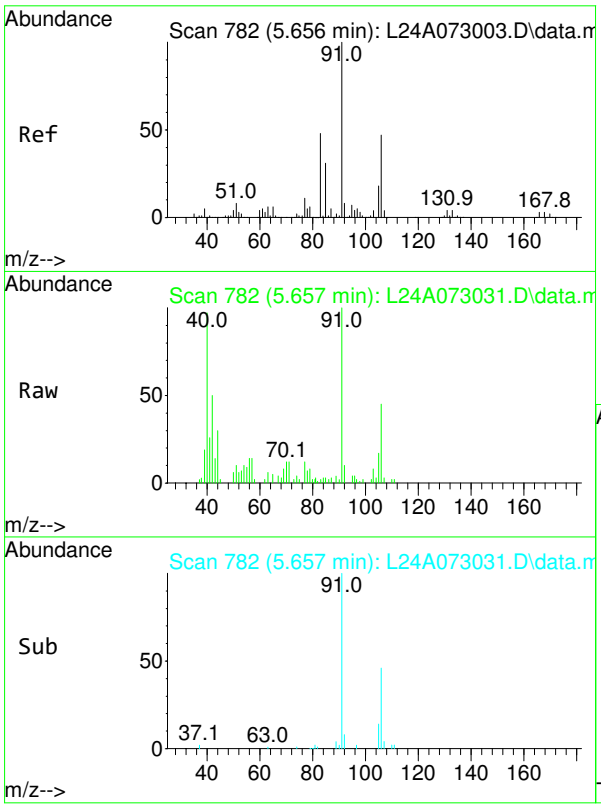


#55
STYRENE
Concen: 0.42 PPBV
RT: 5.610 min Scan# 773
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:104 Resp: 20120

Ion	Ratio	Lower	Upper
104	100		
78	40.1	24.7	64.7

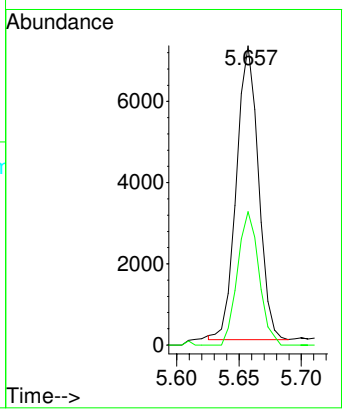


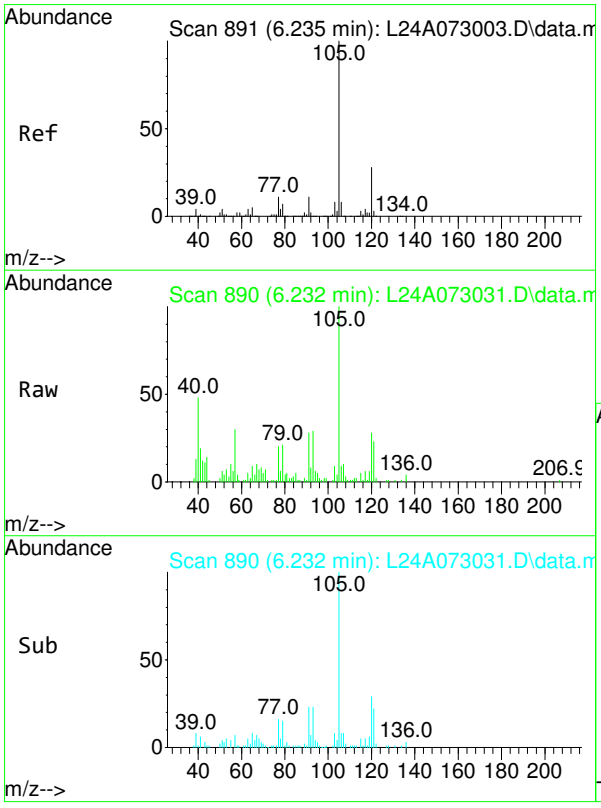


#56
O-XYLENE
Concen: 0.13 PPBV
RT: 5.657 min Scan# 782
Delta R.T. -0.007 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 8892

Ion	Ratio	Lower	Upper
91	100		
106	44.2	25.4	65.4

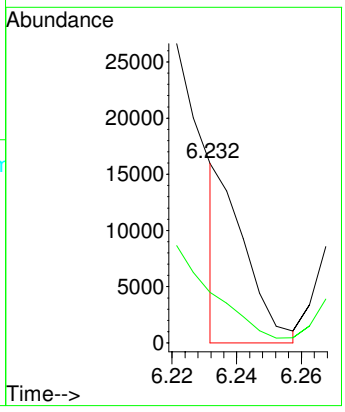


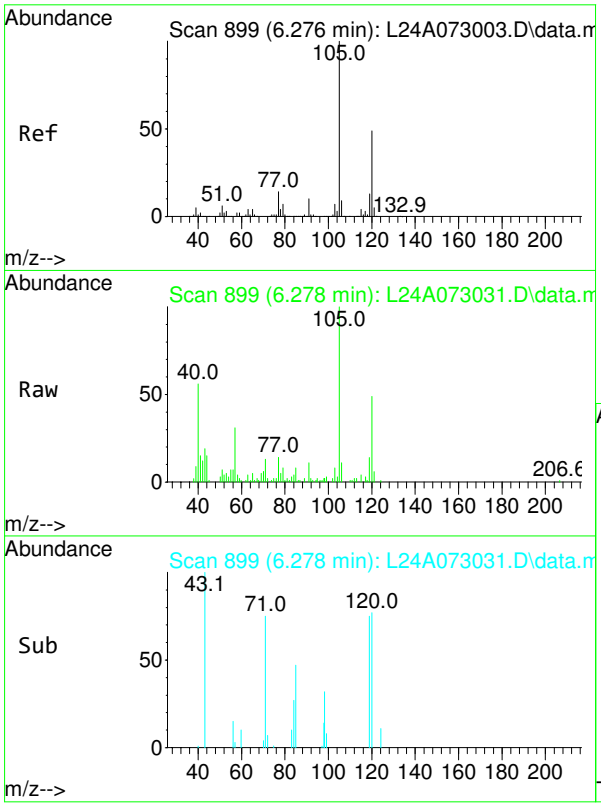


#59
4-ETHYLTOLUENE
Concen: 0.10 PPBV m
RT: 6.232 min Scan# 890
Delta R.T. -0.009 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:105 Resp: 9137

Ion	Ratio	Lower	Upper
105	100		
120	156.9	8.8	48.8#

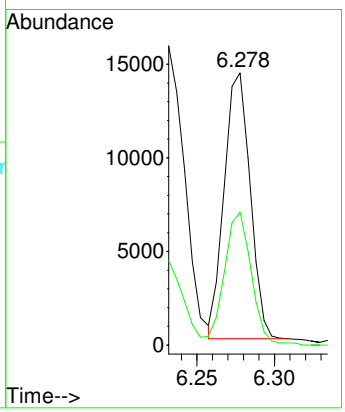


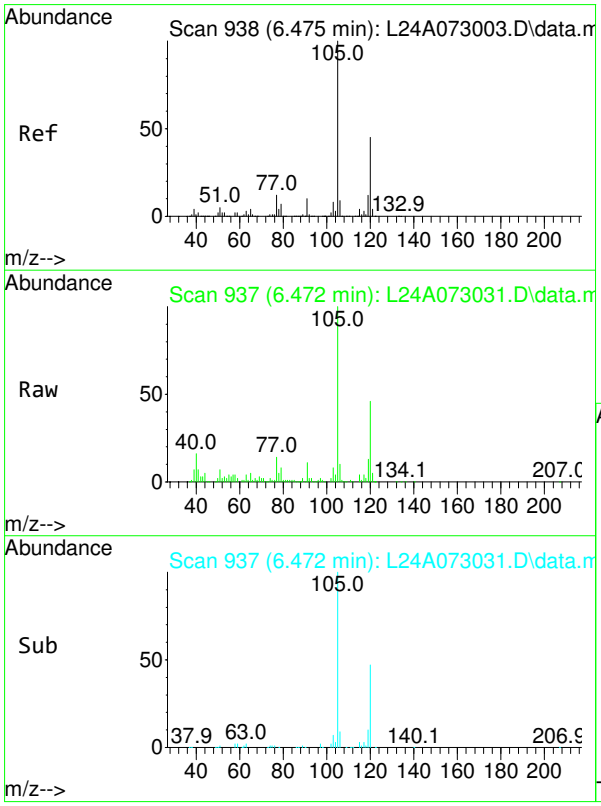


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.22 PPBV
RT: 6.278 min Scan# 899
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:105 Resp: 16526

Ion	Ratio	Lower	Upper
105	100		
120	49.7	26.9	66.9

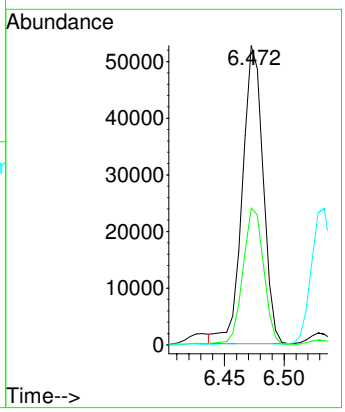


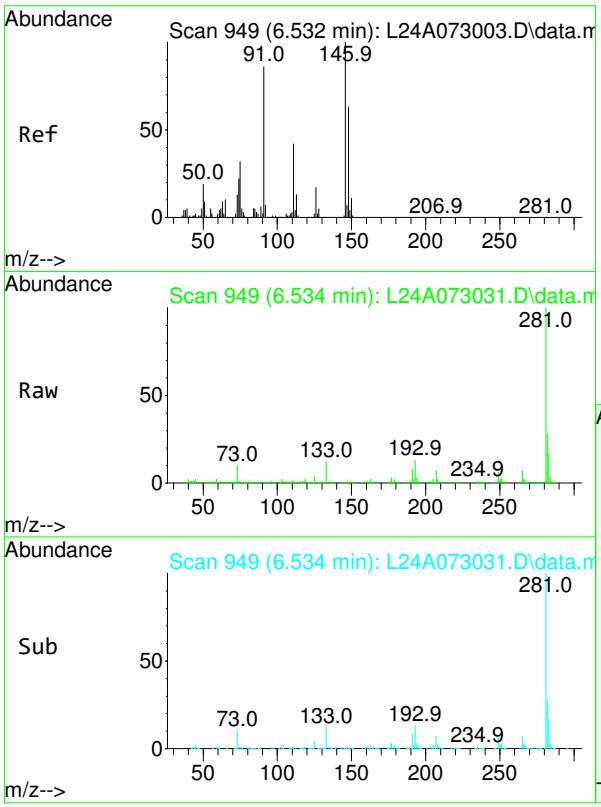


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.86 PPBV
RT: 6.472 min Scan# 937
Delta R.T. -0.011 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:105 Resp: 63544

Ion	Ratio	Lower	Upper
105	100		
120	46.1	24.0	64.0
207	1.2	0.0	20.0

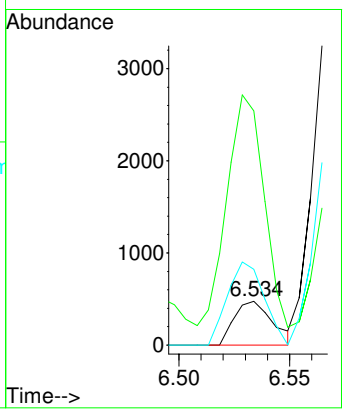


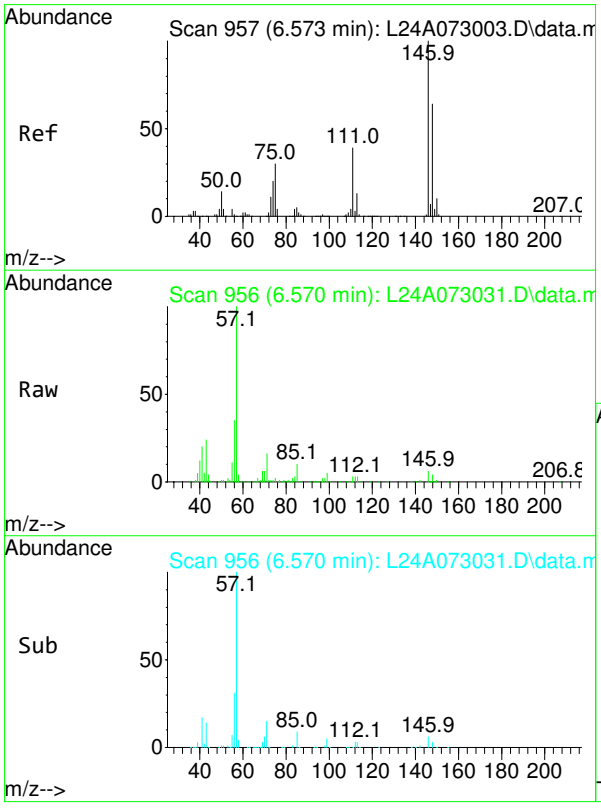


#62
1,3-DICHLOROBENZENE
Concen: 0.01 PPBV
RT: 6.534 min Scan# 949
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:146 Resp: 569

Ion	Ratio	Lower	Upper
146	100		
111	508.4	22.8	62.8#
148	182.1	42.9	82.9#

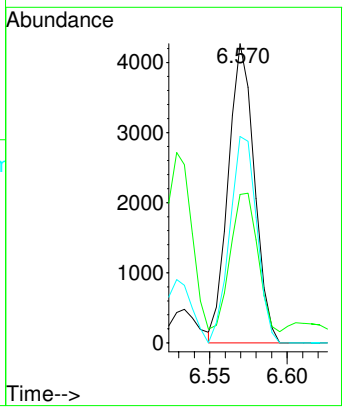


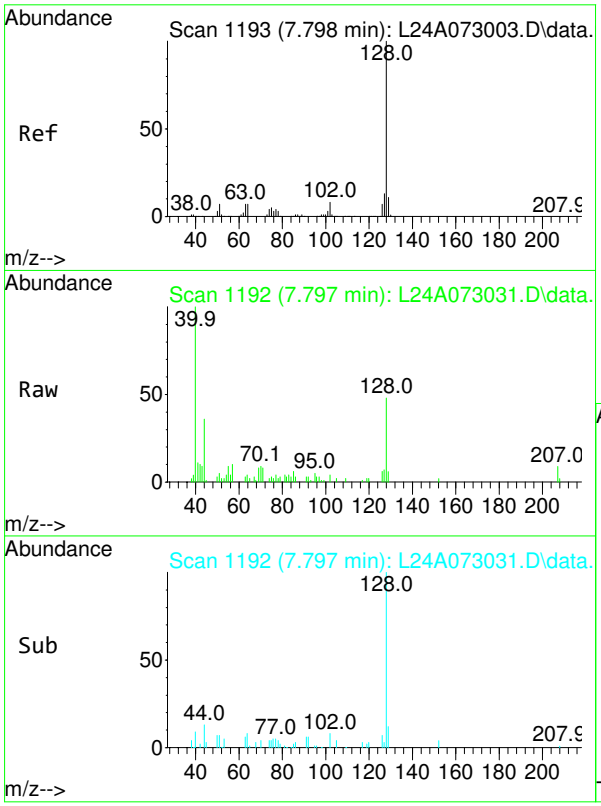


#64
1,4-DICHLOROBENZENE
Concen: 0.12 PPBV
RT: 6.570 min Scan# 956
Delta R.T. -0.007 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:146 Resp: 5019

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.5	60.5
148	71.1	44.9	84.9

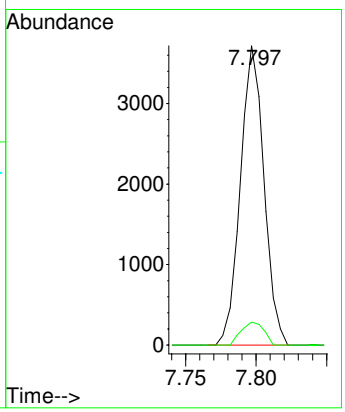


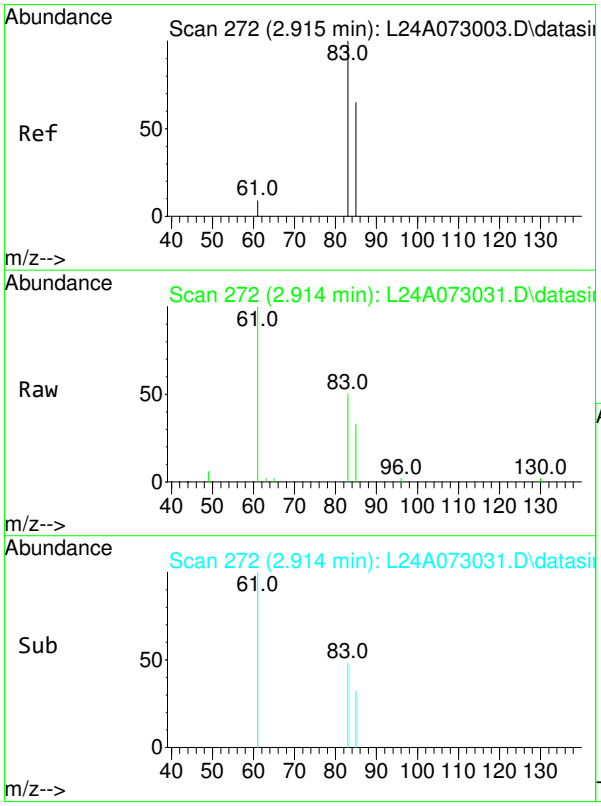


#67
NAPHTHALENE
Concen: 0.06 PPBV
RT: 7.797 min Scan# 1192
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:128 Resp: 4329

Ion	Ratio	Lower	Upper
128	100		
102	7.4	0.0	29.2

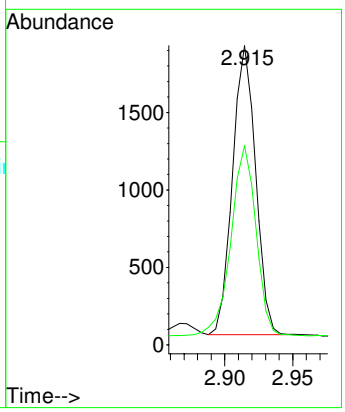


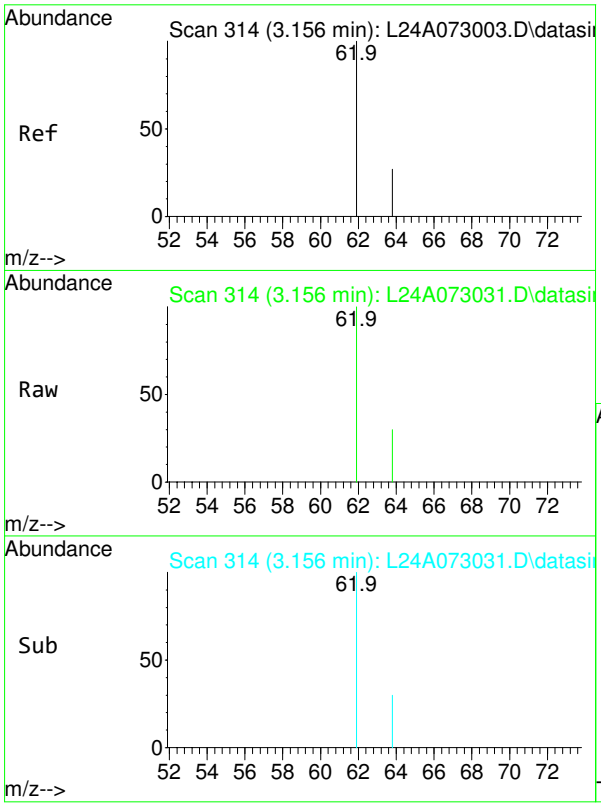


#75
CHLOROFORM (SIM)
Concen: 0.06 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 83 Resp: 2204

Ion	Ratio	Lower	Upper
83	100		
85	70.6	45.0	85.0

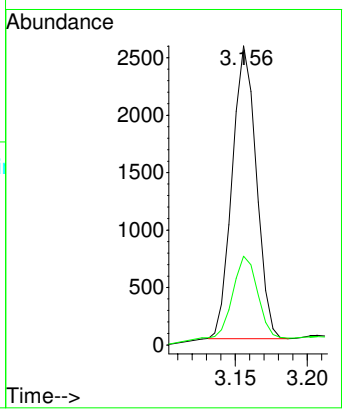


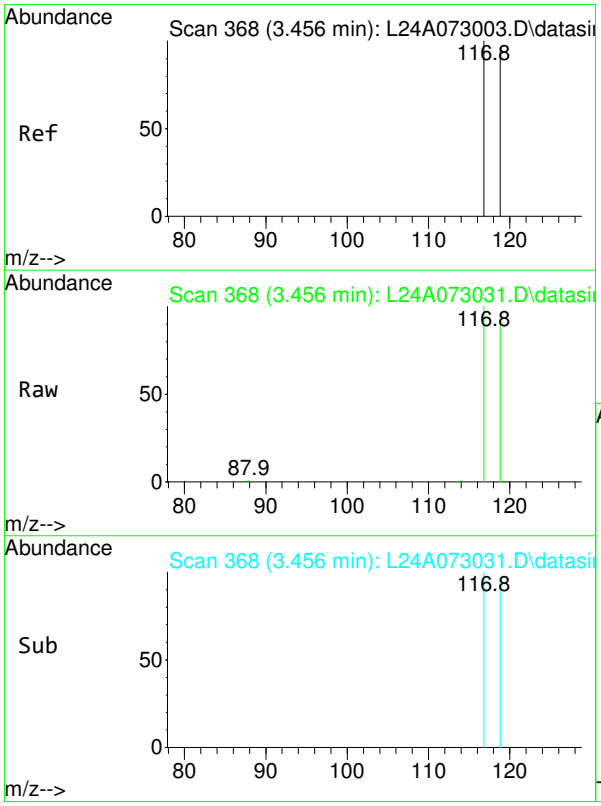


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.11 PPBV
RT: 3.156 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 62 Resp: 2920

Ion	Ratio	Lower	Upper
62	100		
64	28.2	7.0	47.0

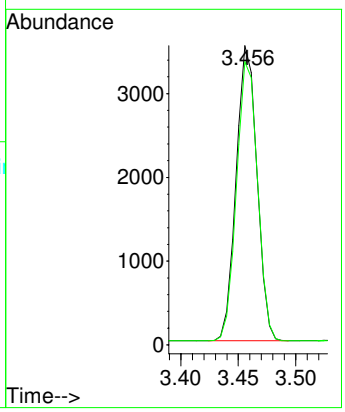


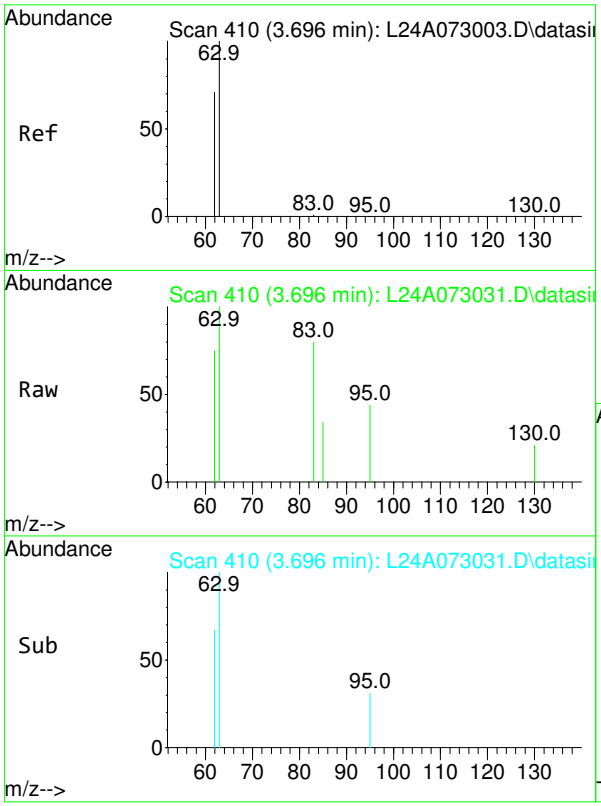


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.456 min Scan# 368
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:117 Resp: 4392

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	116.3

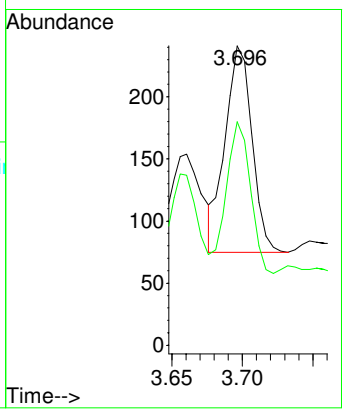




#79
1,2-DICHLOROPROPANE (SIM)
Concen: 0.01 PPBV
RT: 3.696 min Scan# 410
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 63 Resp: 220

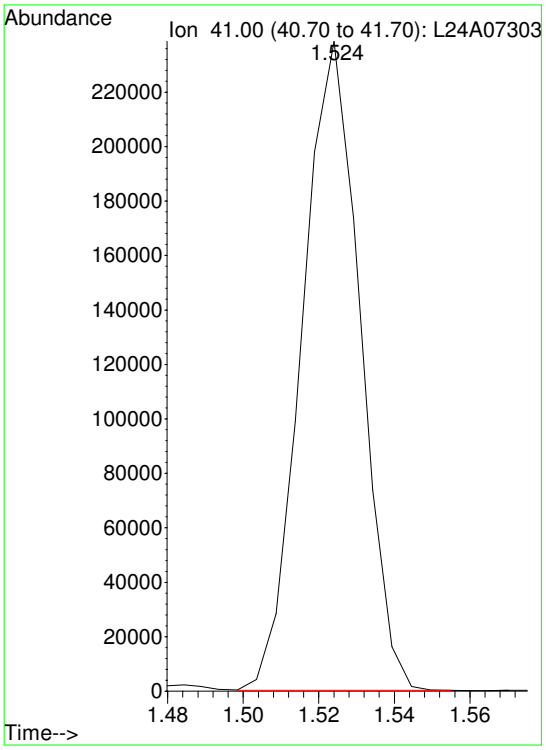
Ion	Ratio	Lower	Upper
63	100		
62	65.9	51.5	91.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

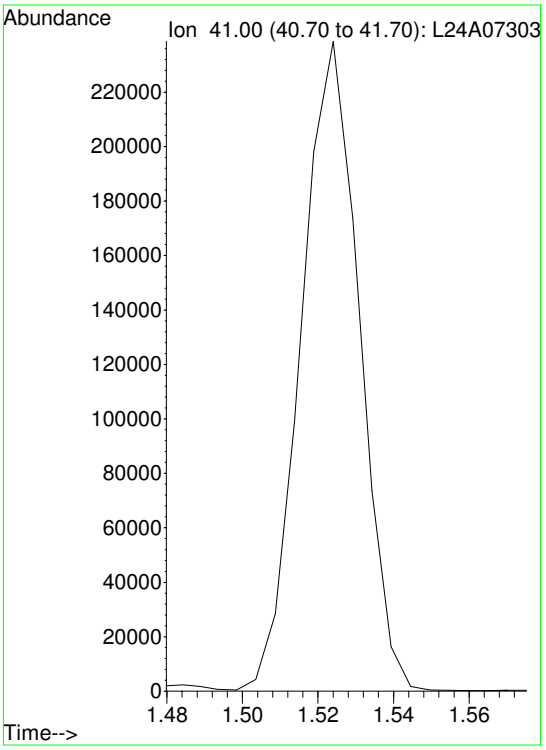
RT : 1.52
Area : 255158
Amount: 24.564

Manual Int. Results

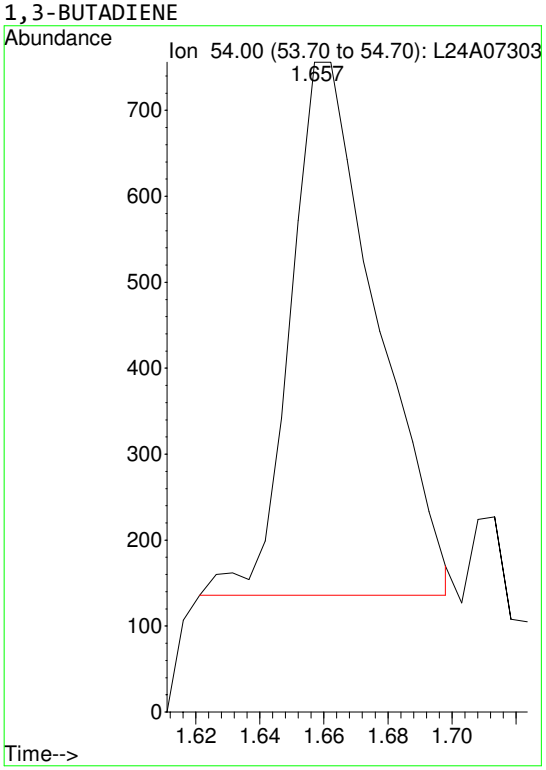
Fri Mar 15 11:13:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

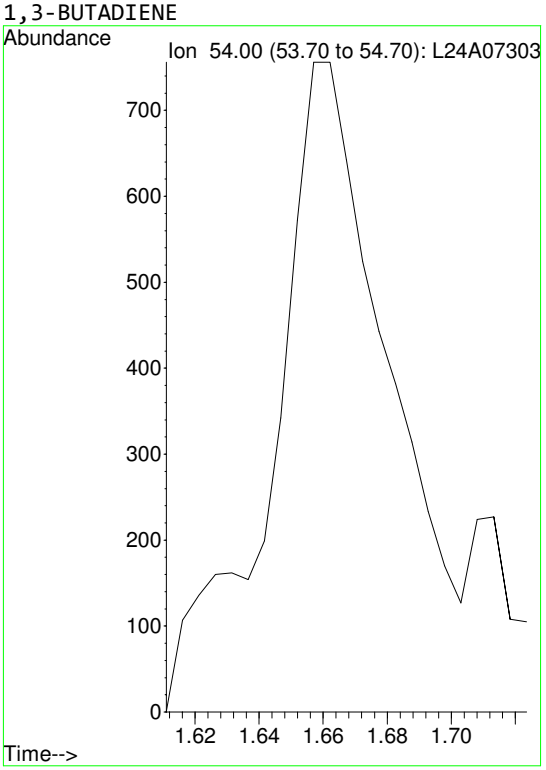
RT : 1.66
Area : 1157
Amount: 0.0823583

Manual Int. Results

Fri Mar 15 11:13:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

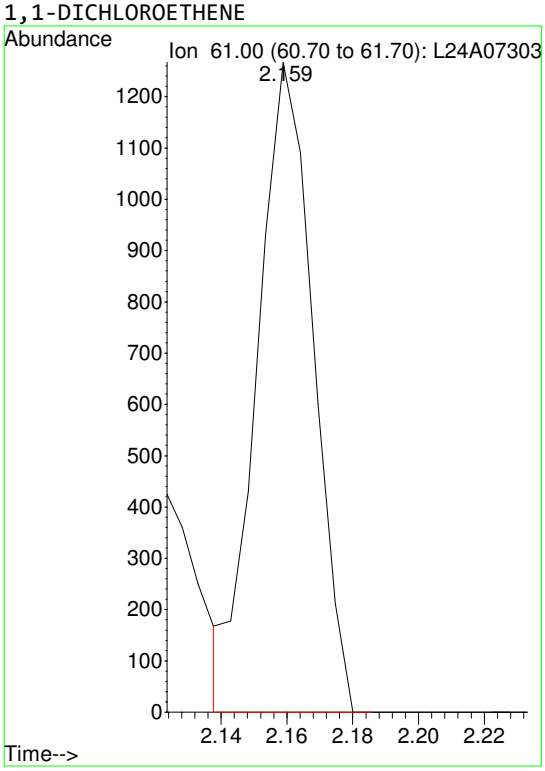
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

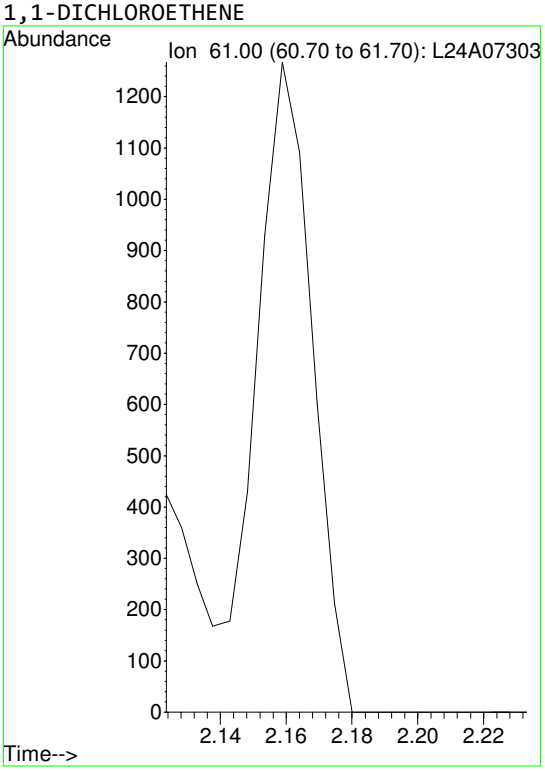
RT : 2.16
Area : 1499
Amount: 0.0521733

Manual Int. Results

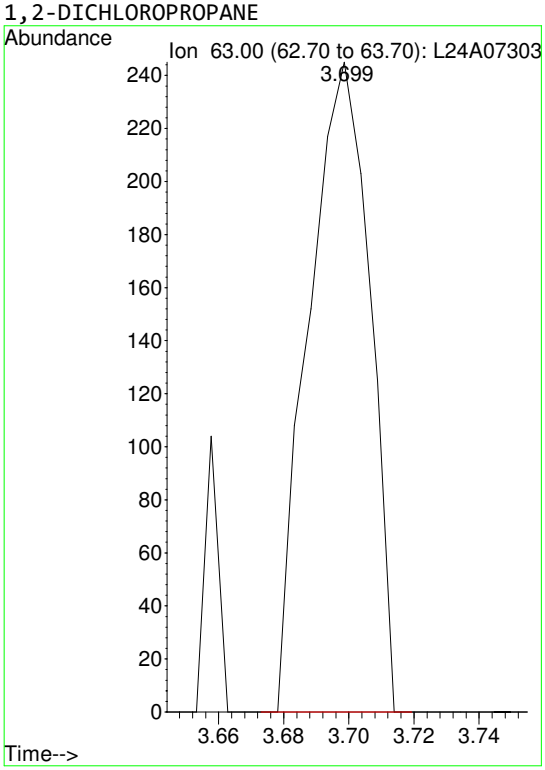
Fri Mar 15 11:13:26 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

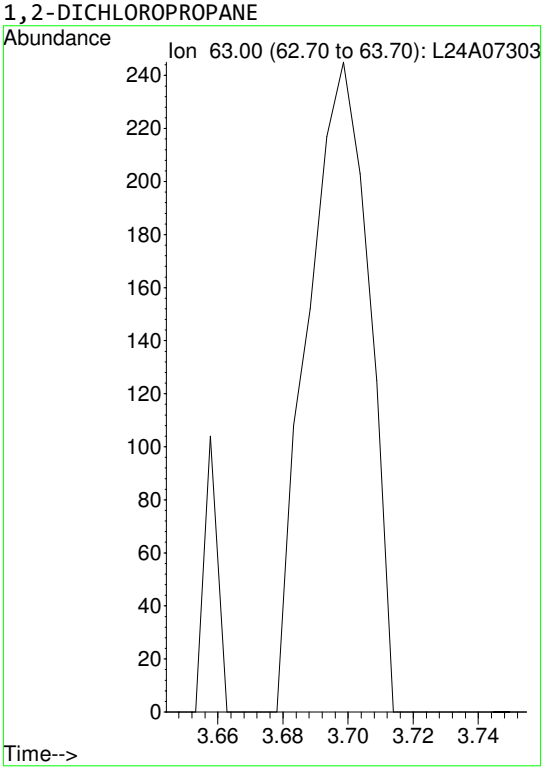
RT : 3.70
Area : 322
Amount: 0.0160999

Manual Int. Results

Fri Mar 15 11:13:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

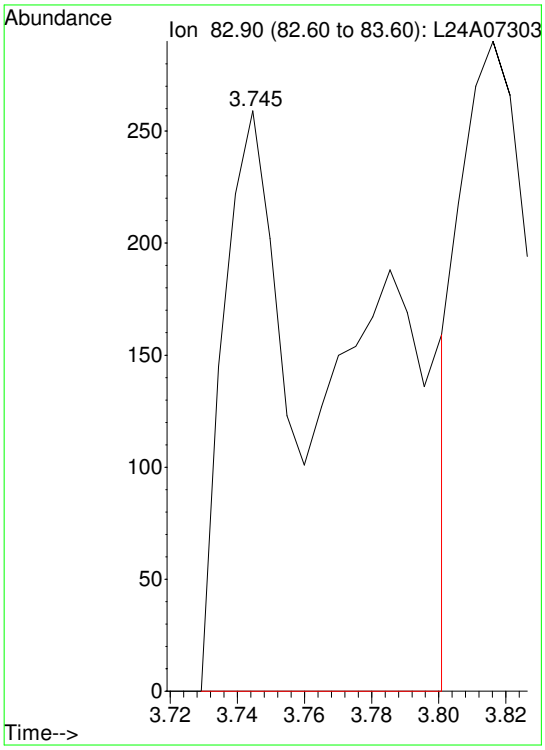
Manual Integration
1,2-DICHLOROPROPANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE



Original Int. Results

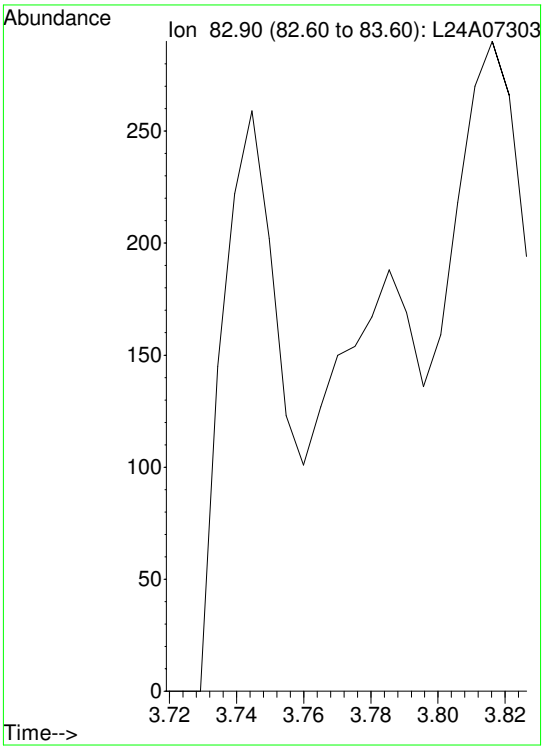
RT : 3.74
Area : 706
Amount: 0.0164985

Manual Int. Results

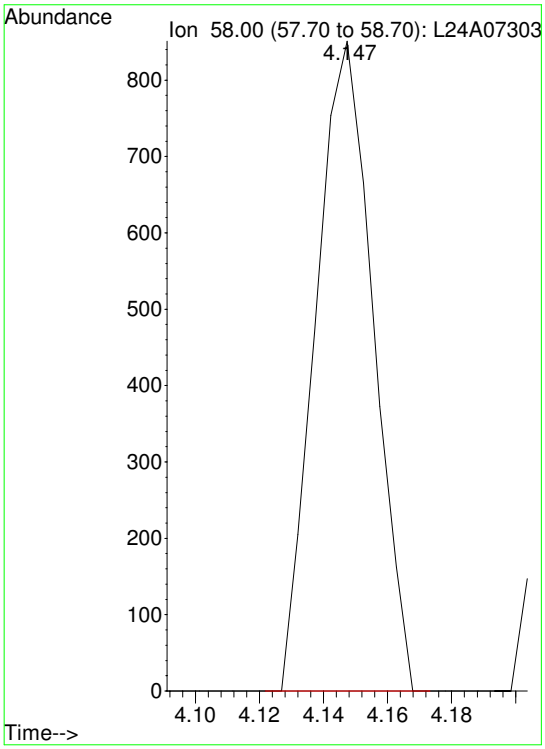
Fri Mar 15 11:13:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE



Original Integration
MIBK



Original Int. Results

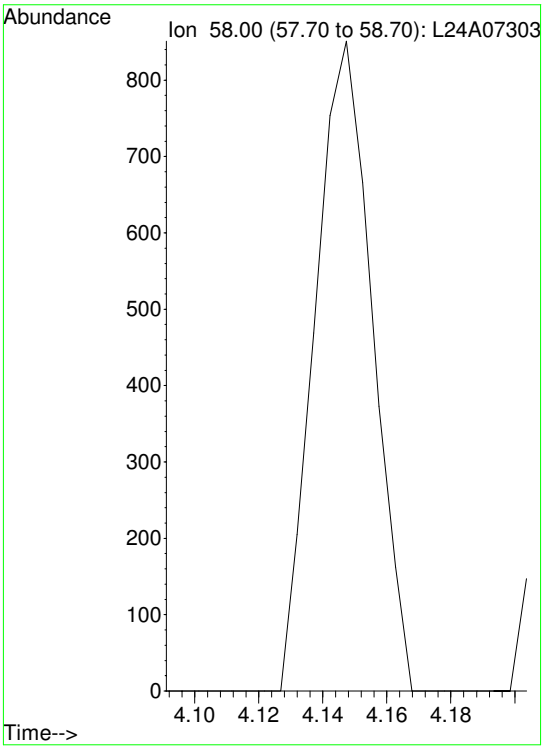
RT : 4.15
Area : 1068
Amount: 0.0575483

Manual Int. Results

Fri Mar 15 11:13:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

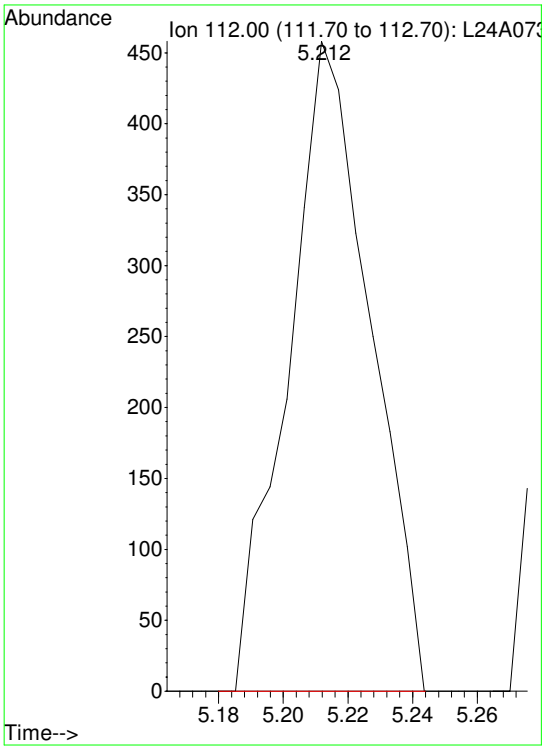
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROBENZENE



Original Int. Results

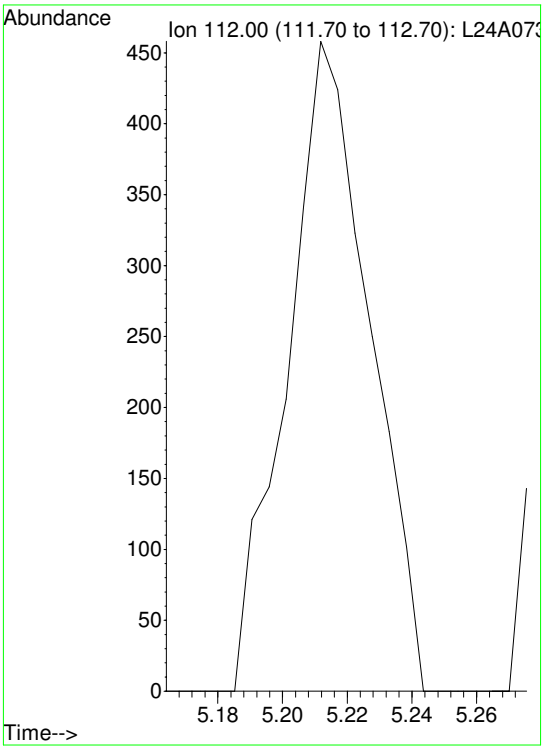
RT : 5.21
Area : 812
Amount: 0.015531

Manual Int. Results

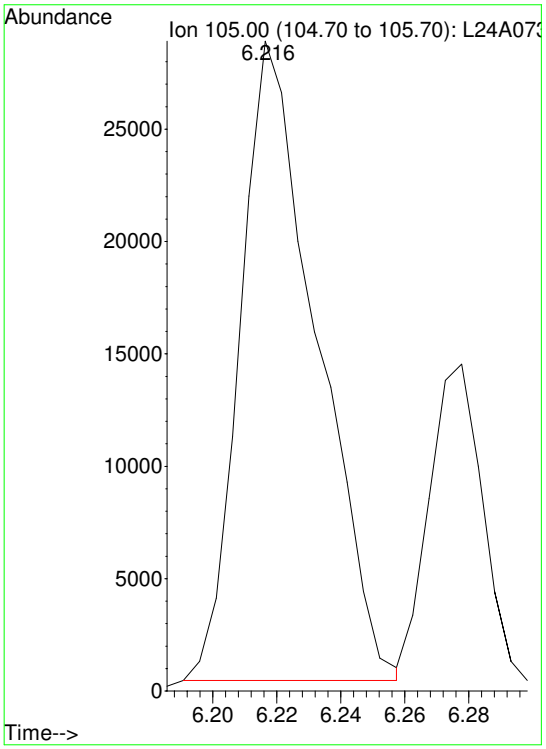
Fri Mar 15 11:14:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

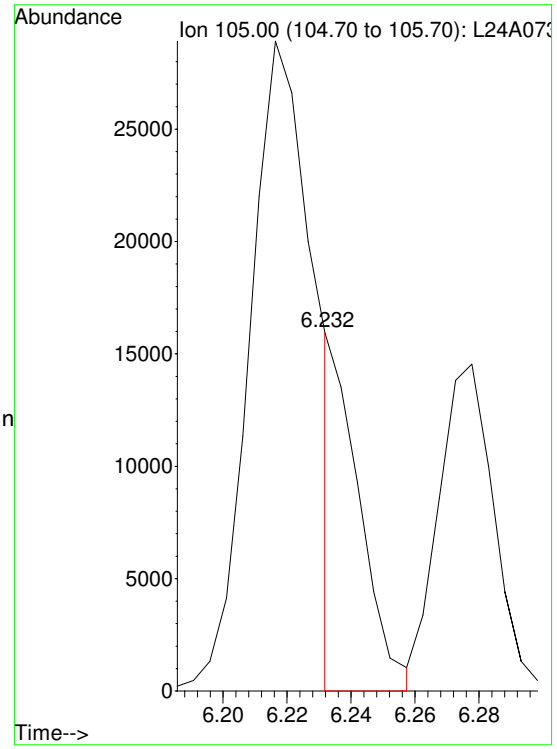
RT : 6.22
Area : 47260
Amount: 0.523325

Manual Int. Results

Fri Mar 15 11:14:10 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 9137
Amount: 0.101177

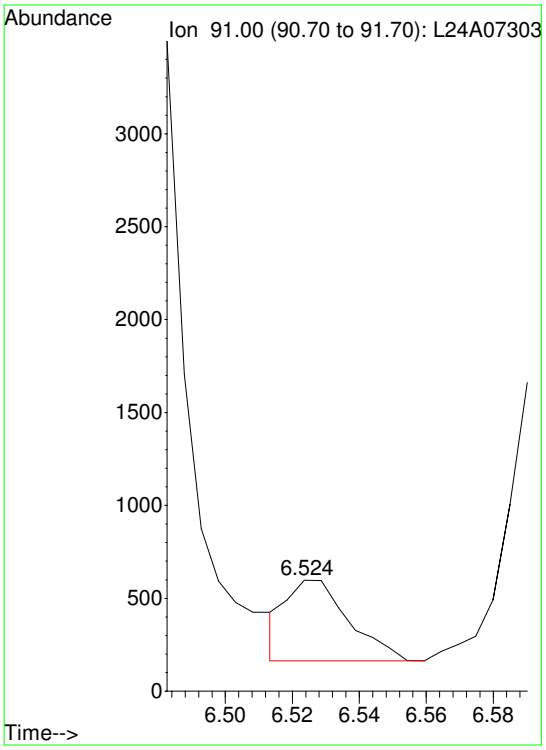
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BENZYL CHLORIDE



Original Int. Results

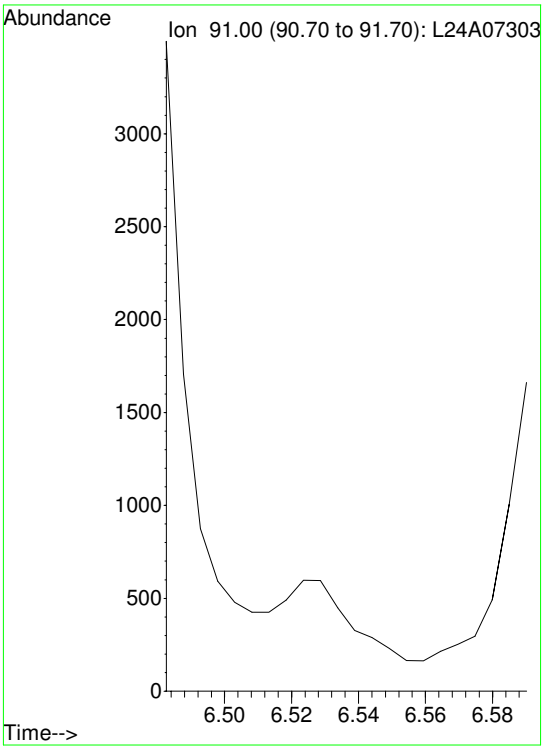
RT : 6.52
Area : 566
Amount: 0.0119892

Manual Int. Results

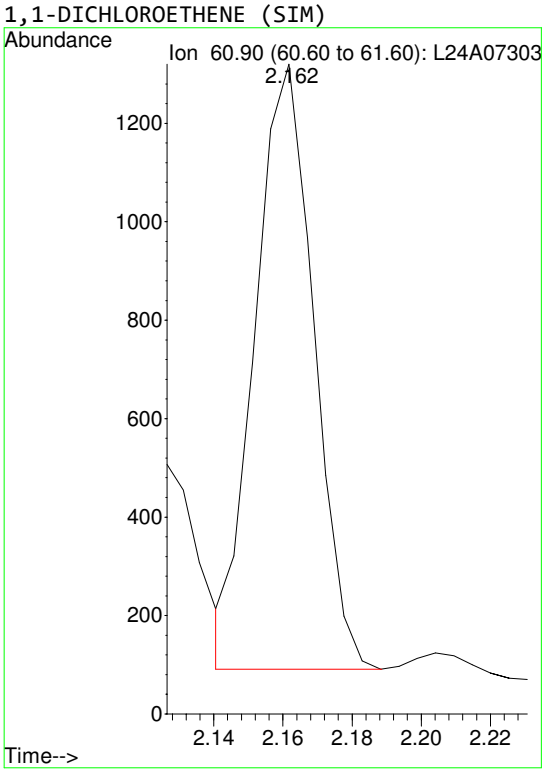
Fri Mar 15 11:14:14 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

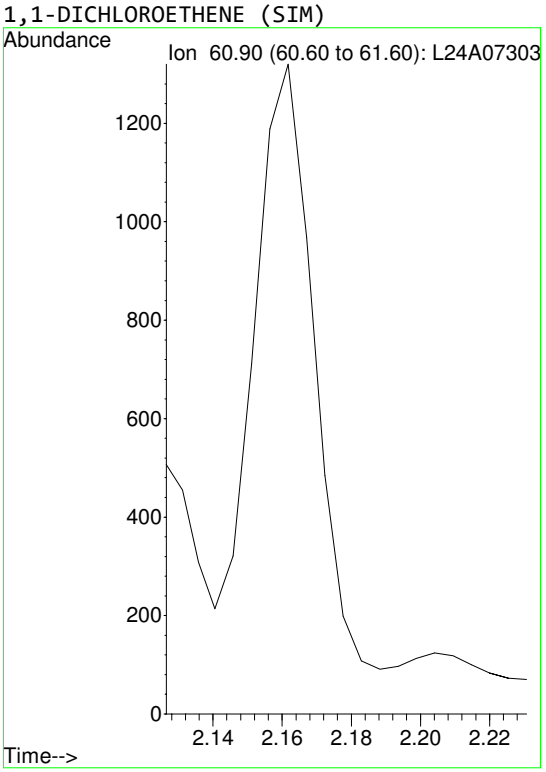
RT : 2.16
Area : 1455
Amount: 0.0459279

Manual Int. Results

Fri Mar 15 11:14:24 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

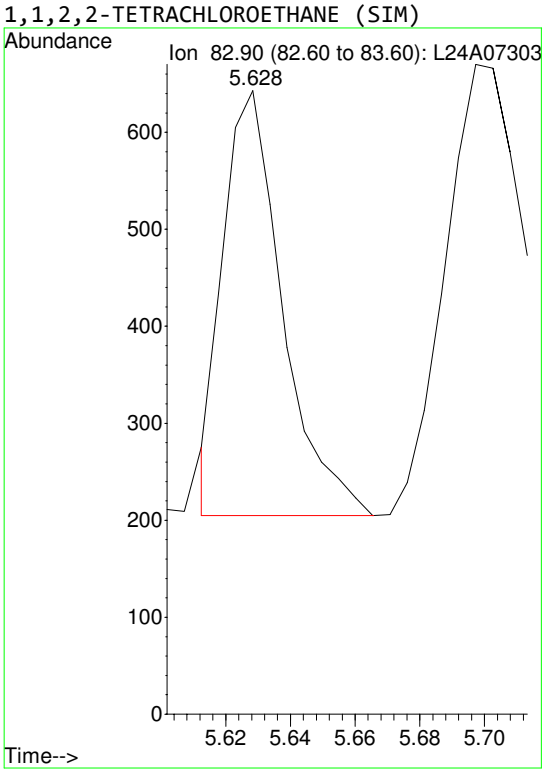
Manual Integration
1,1-DICHLOROETHENE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

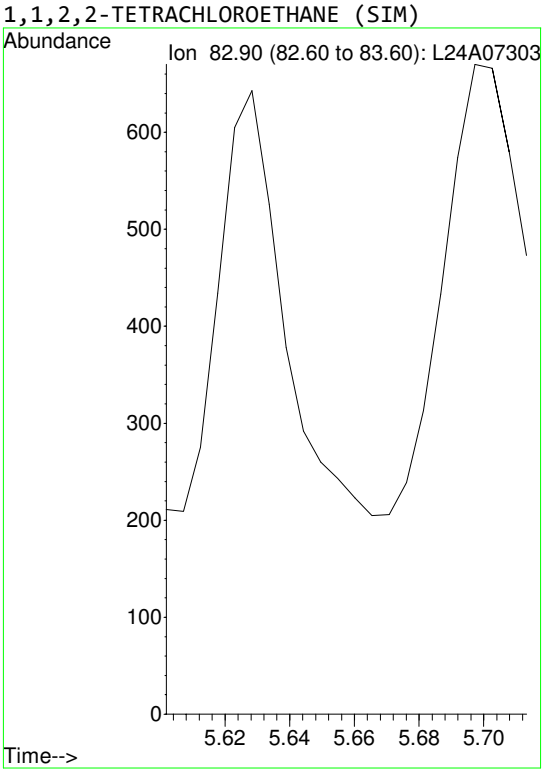
RT : 5.63
Area : 560
Amount: 0.0102026

Manual Int. Results

Fri Mar 15 11:14:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-07	File ID:	L24A073037.D
Sampled:	02/28/24 20:53	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:27
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.6	2.0	4.0	J
71-43-2	Benzene	0.038	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	1.4	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.31	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-07	File ID:	L24A073037.D
Sampled:	02/28/24 20:53	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:27
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	26	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane		0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.088	0.086	0.10	J
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.17	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	13	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.26	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.062	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate	0.48	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-07	File ID:	L24A073037.D
Sampled:	02/28/24 20:53	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:27
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
				Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene	0.11	0.070	0.20	J
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073037.D Vial: 32
Acq On : 14 Mar 2024 04:27 am Operator: CMR
Sample : 24C0251-07 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:10 2024

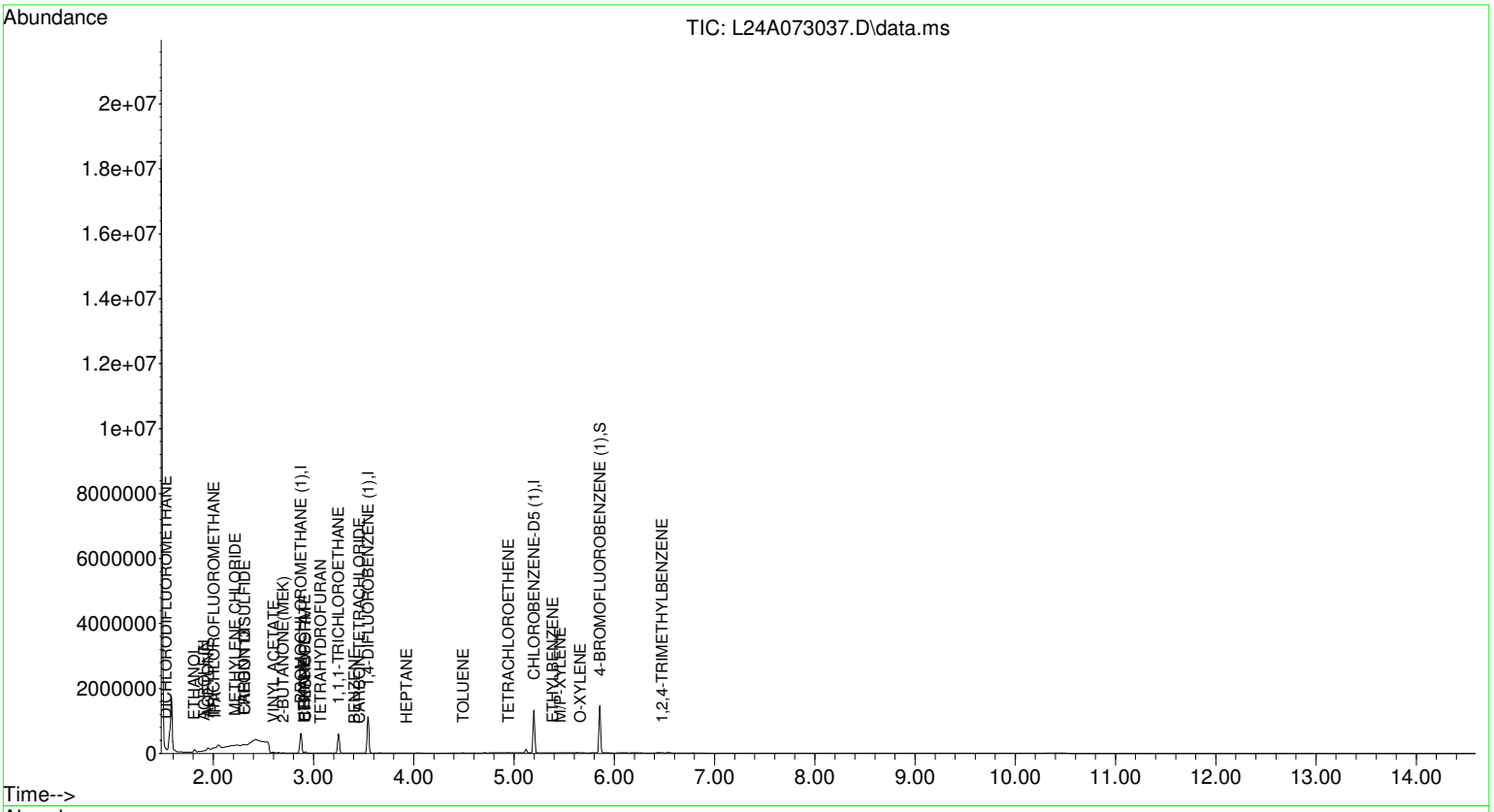
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073037.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

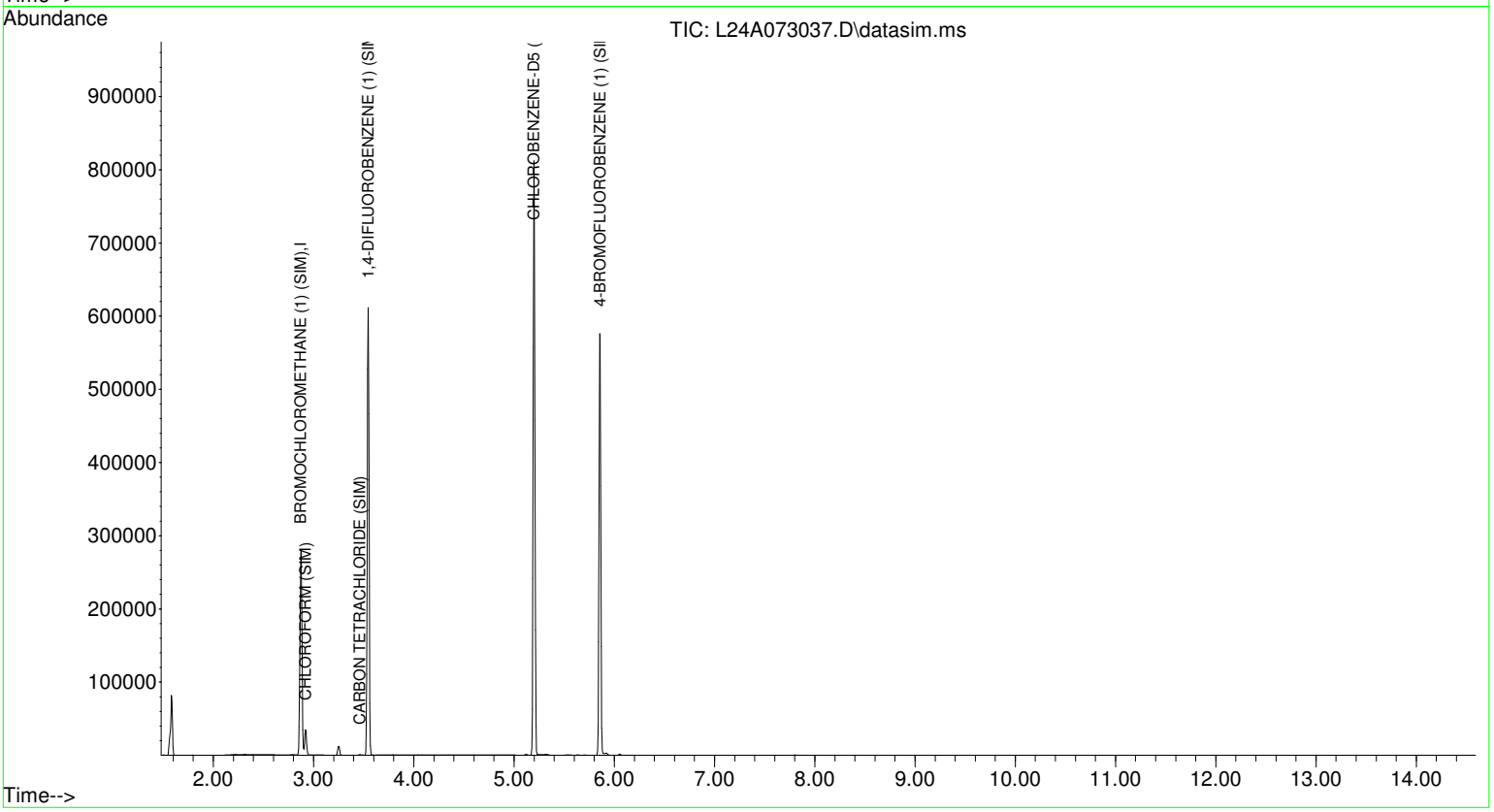
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.874	49	200252	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.542	114	623344	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	565705	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	219619	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.545	114	647355	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	620774	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	286890	7.368	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.13%				
87) 4-BROMOFLUOROBENZENE (...	5.859	174	299415	7.534	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.13%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	6942	0.157	PPBV		93
10) ACROLEIN	1.907	56	2150	0.271	PPBV		100
11) ACETONE	1.948	43	50747	1.806	PPBV	#	57
12) TRICHLOROFLUOROMETHANE	2.005	101	5912	0.130	PPBV		89
13) ETHANOL	1.810	45	56530	13.036	PPBV		99
15) METHYLENE CHLORIDE	2.217	49	924	0.042	PPBV		87
16) FREON 113	2.307	101	1106	0.031	PPBV	#	66
17) CARBON DISULFIDE	2.312	76	849	0.016	PPBV		95
21) IPA	2.020	45	11561	0.391	PPBV		79
22) 2-BUTANONE(MEK)	2.694	43	9172	0.265	PPBV		80
24) VINYL ACETATE	2.604	43	8750	0.239	PPBV		81
25) HEXANE	2.906	41	747	0.040	PPBV	#	79
26) ETHYL ACETATE	2.911	45	487	0.081	PPBV	#	71
27) CHLOROFORM	2.917	83	24316	0.675	PPBV		100
28) TETRAHYDROFURAN	3.070	42	780	0.034	PPBV	#	46
31) 1,1,1-TRICHLOROETHANE	3.249	97	262688	6.642	PPBV		94
32) BENZENE	3.410	78	1063	0.019	PPBV		61
33) CARBON TETRACHLORIDE	3.458	117	519	0.013	PPBV		92
40) HEPTANE	3.928	57	336	0.019	PPBV	#	75
46) TOLUENE	4.494	91	5736	0.086	PPBV		97
50) TETRACHLOROETHENE	4.944	166	1309	0.044	PPBV		96
52) ETHYLBENZENE	5.385	91	961	0.012	PPBV		97
53) M/P-XYLENE	5.459	91	3635	0.053	PPBV		89
56) O-XYLENE	5.661	91	1079	0.016	PPBV		88
61) 1,2,4-TRIMETHYLBENZENE	6.474	105	1545	0.021	PPBV	#	68
75] CHLOROFORM (SIM)	2.919	83	26584	0.686	PPBV		100
78] CARBON TETRACHLORIDE (...	3.461	117	494	0.011	PPBV		98

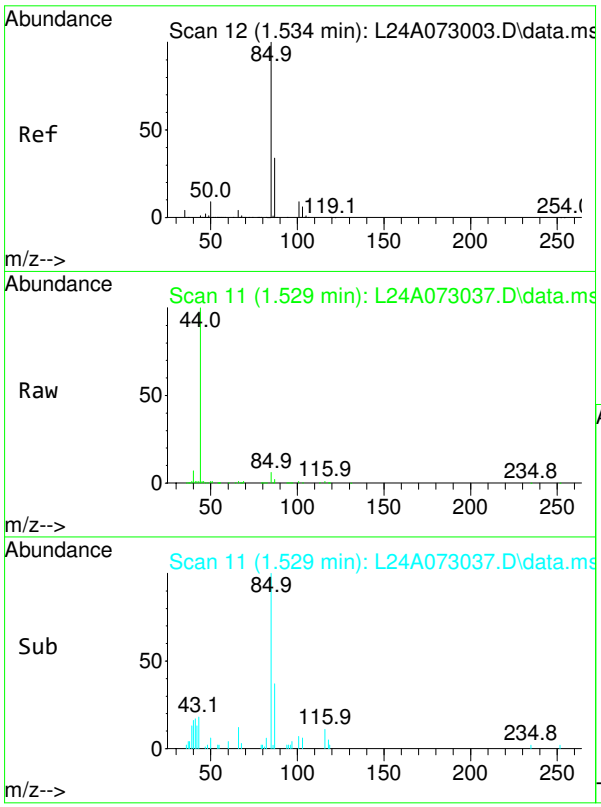
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073037.D Vial: 32
Acq On : 14 Mar 2024 04:27 am Operator: CMR
Sample : 24C0251-07 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:10 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073037.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



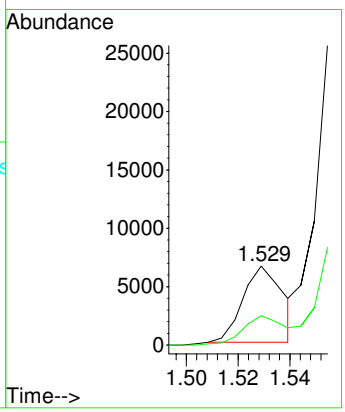


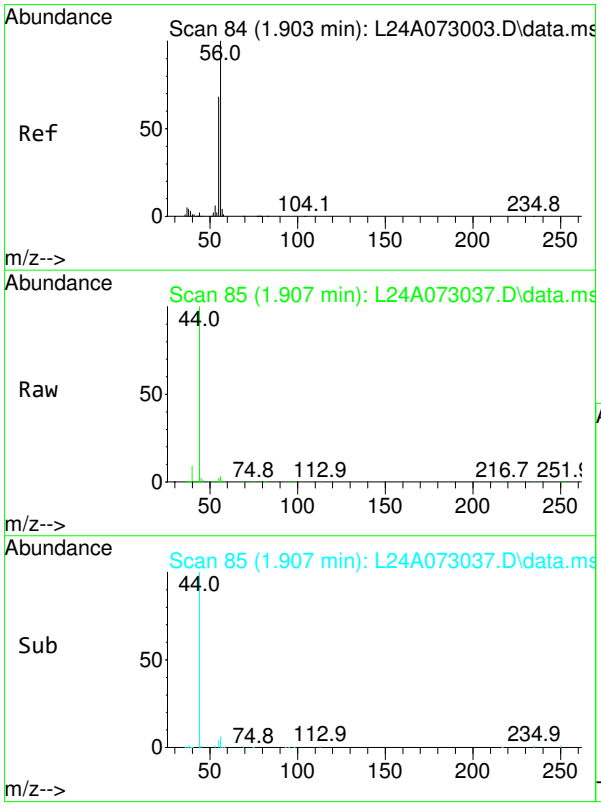


#3
DICHLORODIFLUOROMETHANE
Concen: 0.16 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 85 Resp: 6942

Ion	Ratio	Lower	Upper
85	100		
87	35.9	12.0	52.0

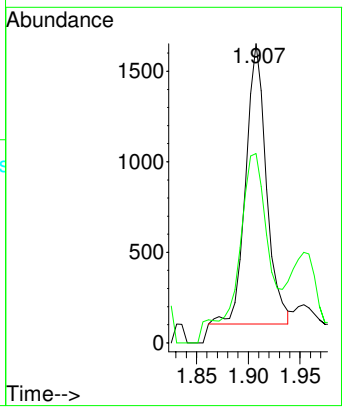


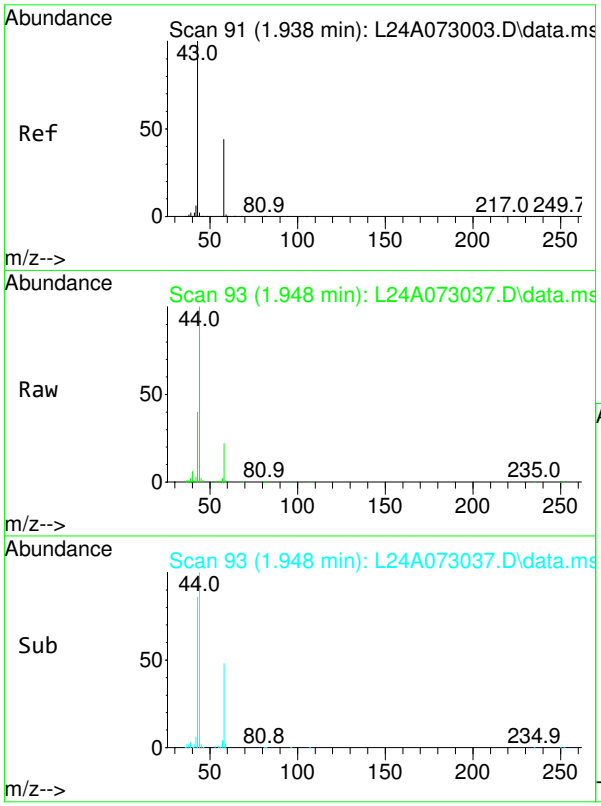


#10
ACROLEIN
Concen: 0.27 PPBV
RT: 1.907 min Scan# 85
Delta R.T. 0.004 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 56 Resp: 2150

Ion	Ratio	Lower	Upper
56	100		
55	71.8	51.4	91.4

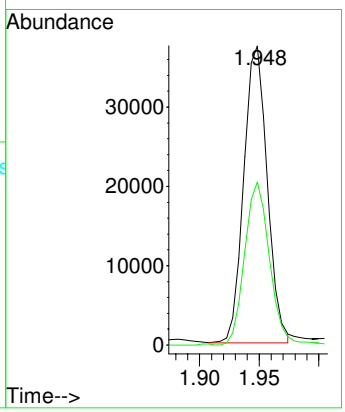


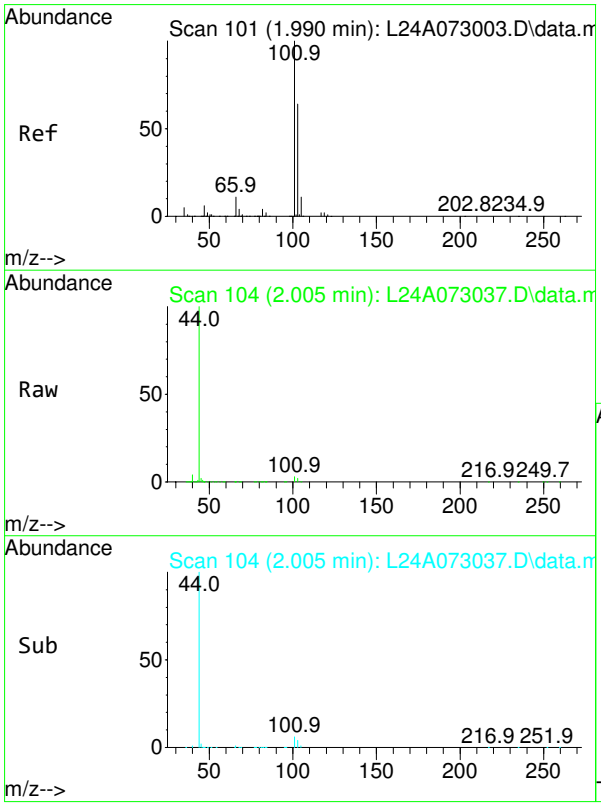


#11
ACETONE
Concen: 1.81 PPBV
RT: 1.948 min Scan# 93
Delta R.T. 0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 43 Resp: 50747

Ion	Ratio	Lower	Upper
43	100		
58	57.4	13.1	53.1#

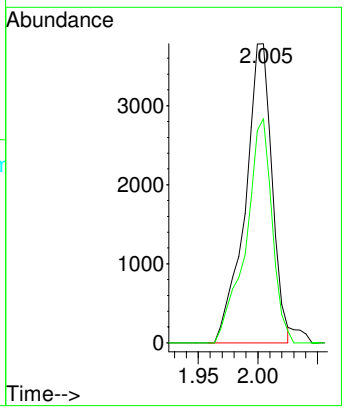


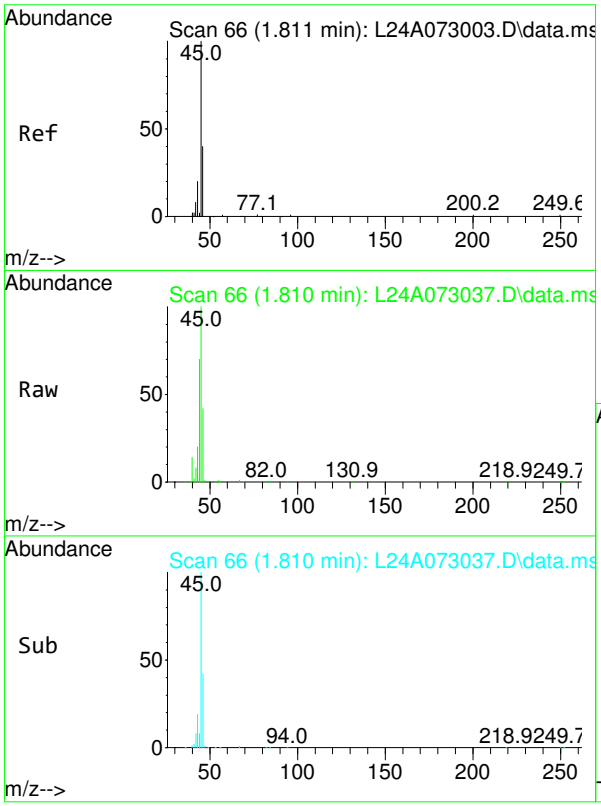


#12
TRICHLOROFLUOROMETHANE
Concen: 0.13 PPBV
RT: 2.005 min Scan# 104
Delta R.T. 0.018 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:101 Resp: 5912

Ion	Ratio	Lower	Upper
101	100		
103	73.1	44.7	84.7

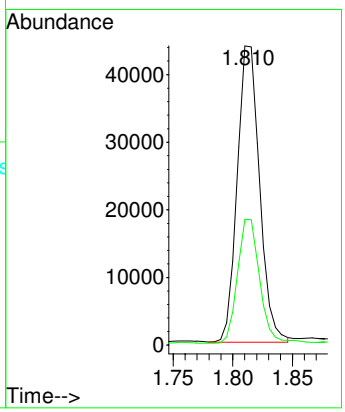


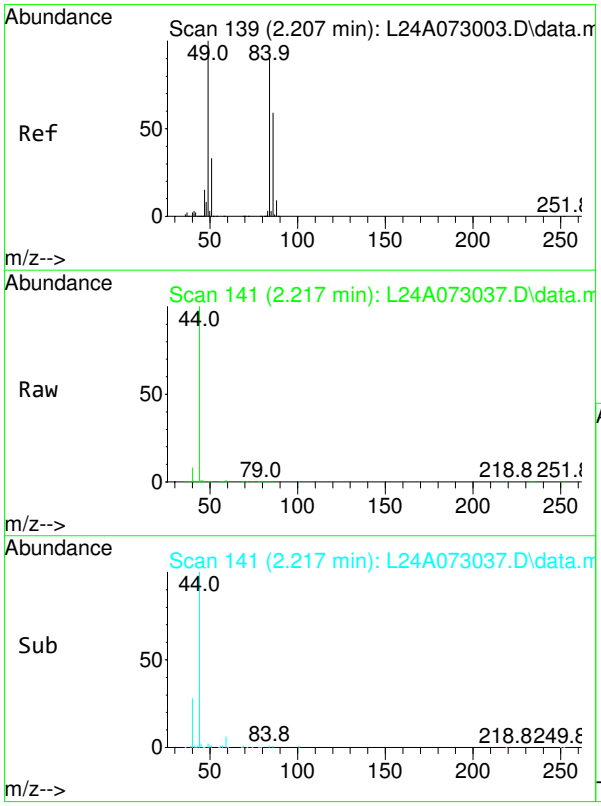


#13
ETHANOL
Concen: 13.04 PPBV
RT: 1.810 min Scan# 66
Delta R.T. 0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 45 Resp: 56530

Ion	Ratio	Lower	Upper
45	100		
46	41.1	20.5	60.5

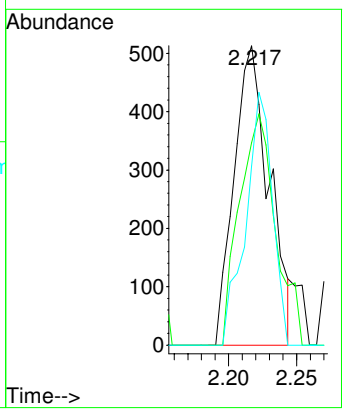


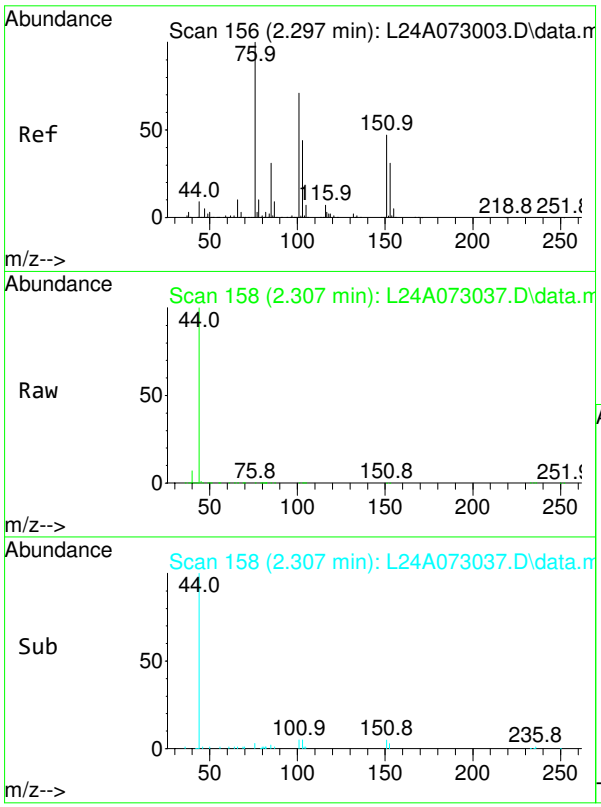


#15
METHYLENE CHLORIDE
Concen: 0.04 PPBV
RT: 2.217 min Scan# 141
Delta R.T. 0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 49 Resp: 924

Ion	Ratio	Lower	Upper
49	100		
84	75.9	52.0	92.0
86	64.1	27.3	67.3

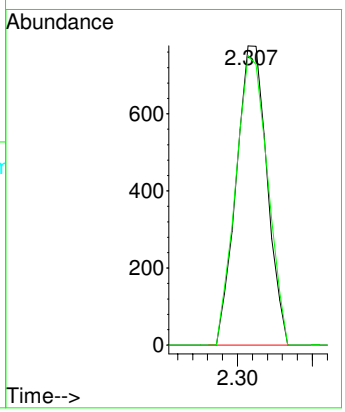


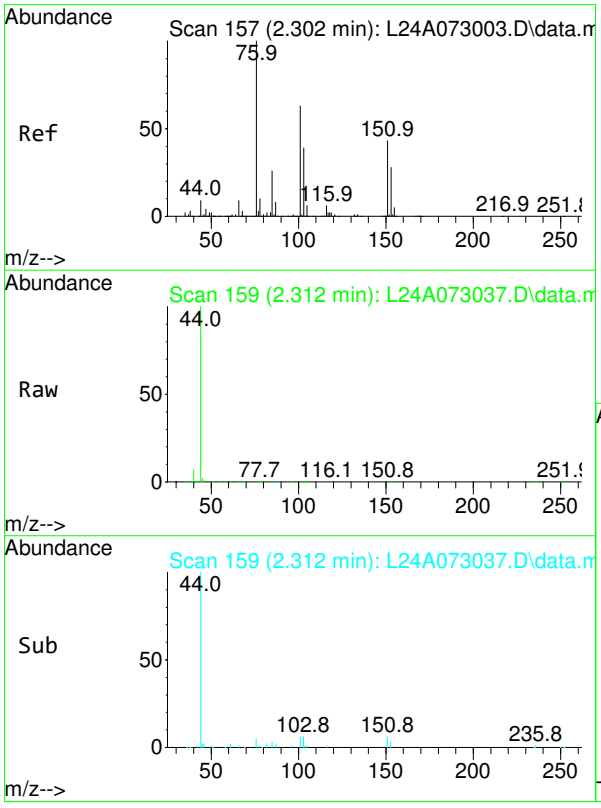


#16
FREON 113
Concen: 0.03 PPBV
RT: 2.307 min Scan# 158
Delta R.T. 0.006 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:101 Resp: 1106

Ion	Ratio	Lower	Upper
101	100		
151	100.5	52.3	92.3#

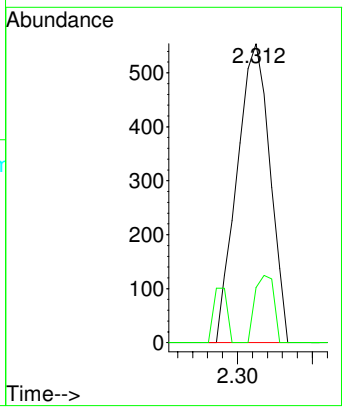


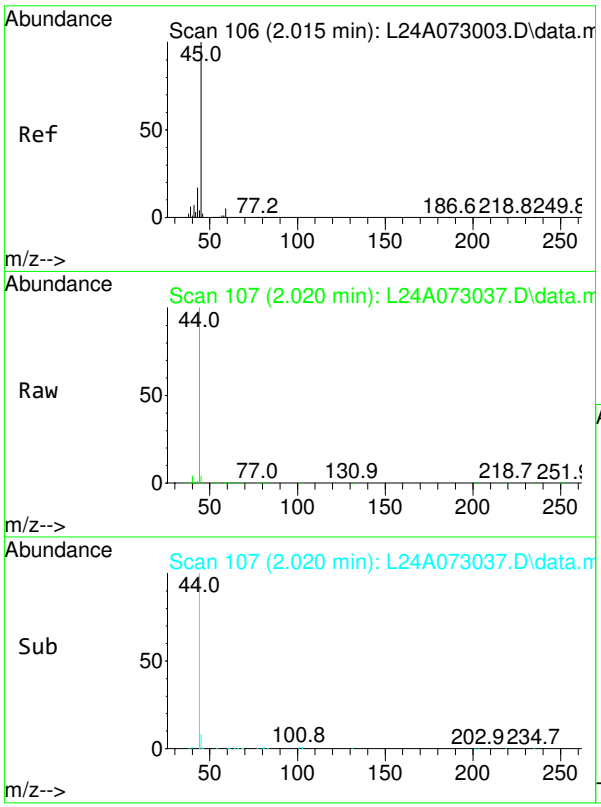


#17
CARBON DISULFIDE
Concen: 0.02 PPBV
RT: 2.312 min Scan# 159
Delta R.T. 0.011 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 76 Resp: 849

Ion	Ratio	Lower	Upper
76	100		
78	13.0	0.0	31.1

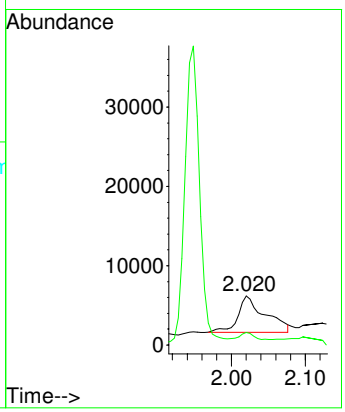


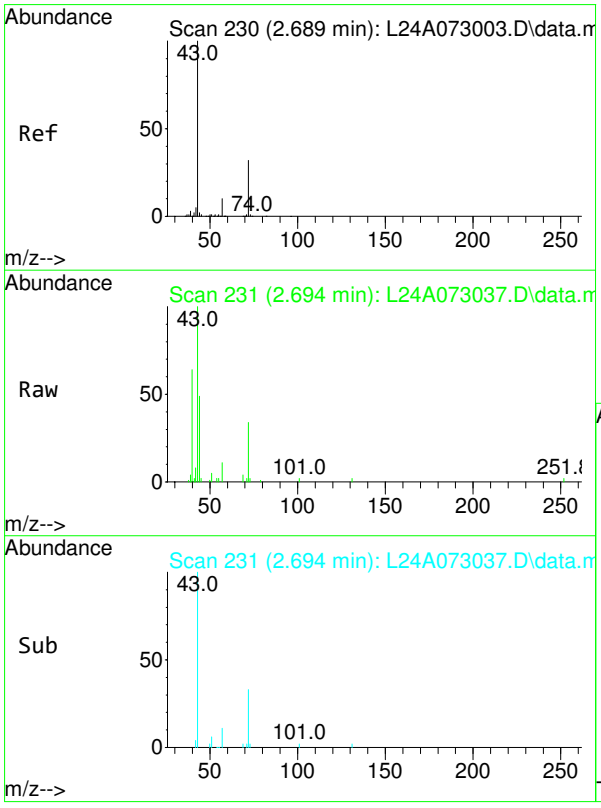


#21
IPA
Concen: 0.39 PPBV
RT: 2.020 min Scan# 107
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 45 Resp: 11561

Ion	Ratio	Lower	Upper
45	100		
43	9.7	0.0	39.3

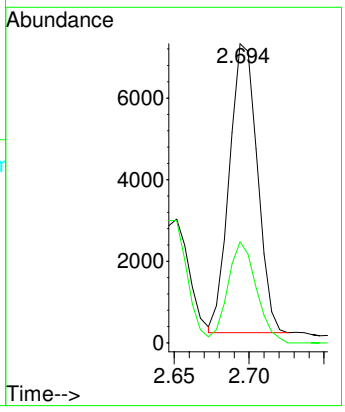


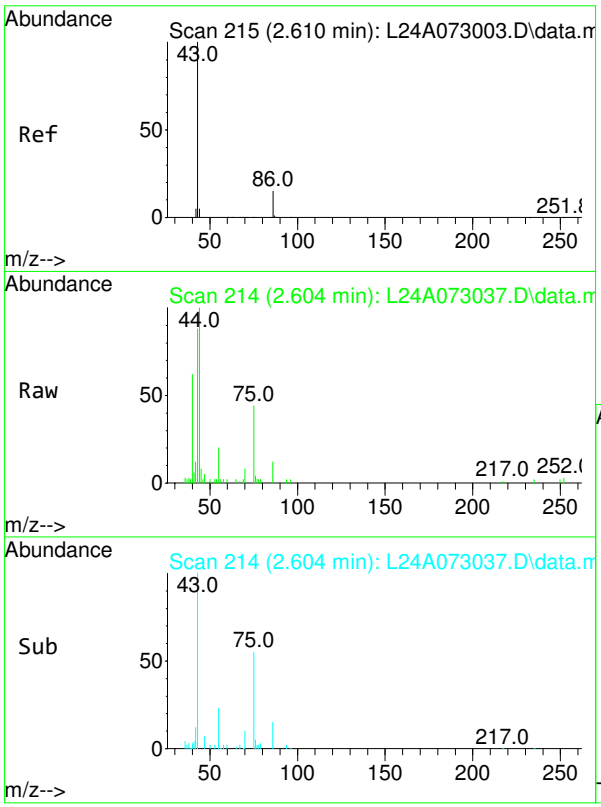


#22
2-BUTANONE(MEK)
Concen: 0.27 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 43 Resp: 9172

Ion	Ratio	Lower	Upper
43	100		
72	35.7	5.6	45.6

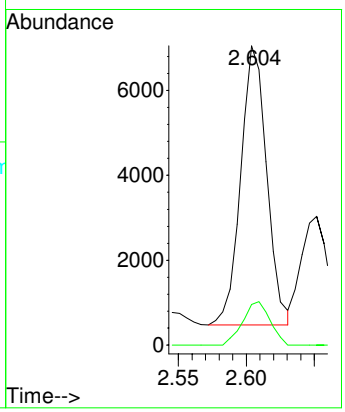


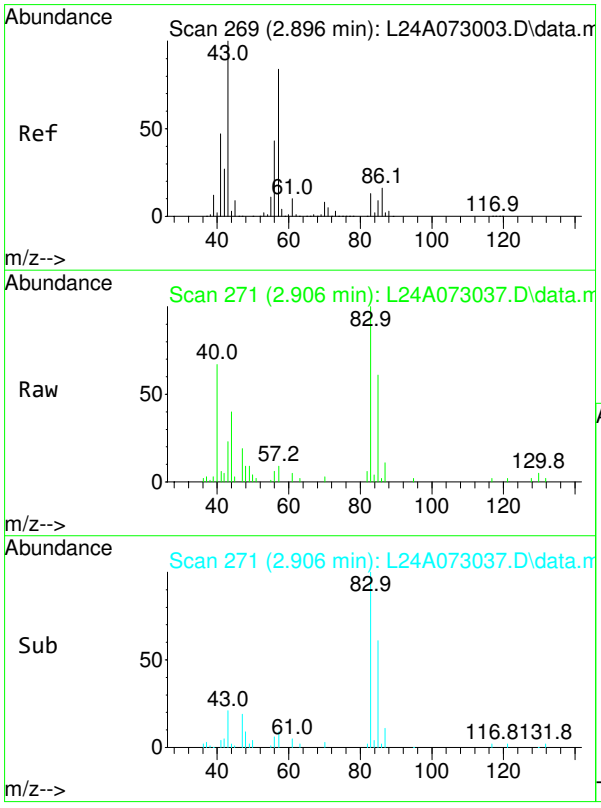


#24
VINYL ACETATE
Concen: 0.24 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 43 Resp: 8750

Ion	Ratio	Lower	Upper
43	100		
86	16.4	0.0	19.5

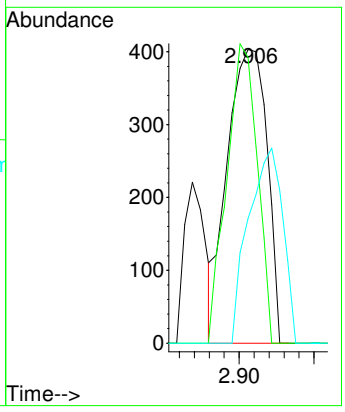


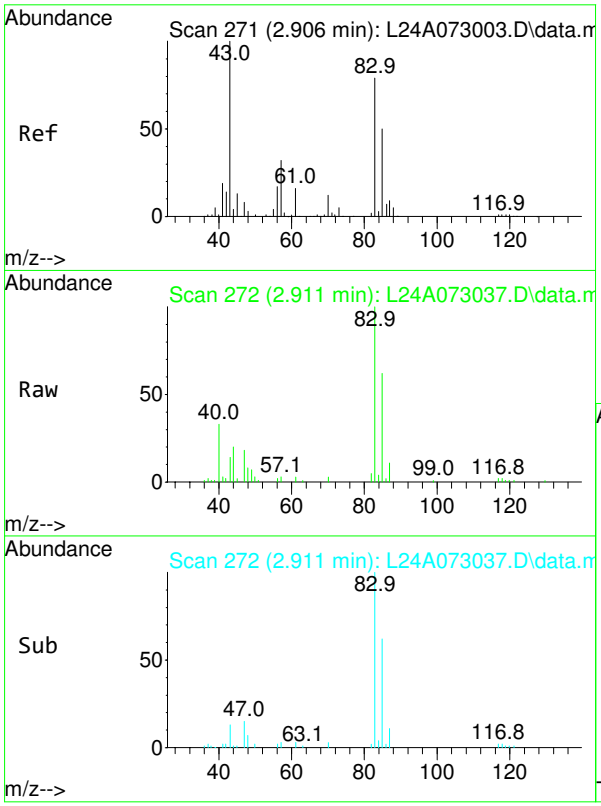


#25
HEXANE
Concen: 0.04 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 41 Resp: 747

Ion	Ratio	Lower	Upper
41	100		
56	77.8	52.3	92.3
86	56.9	16.1	36.1#

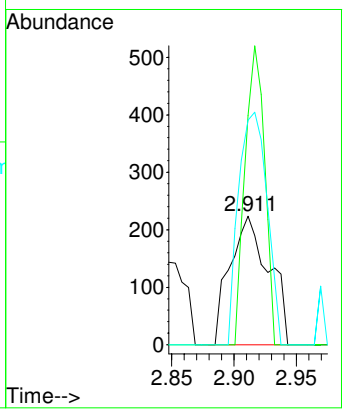


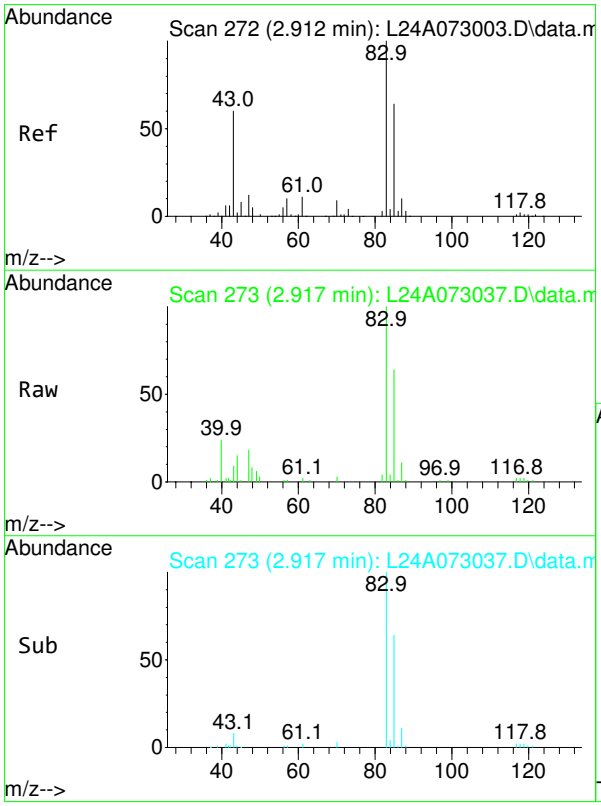


#26
ETHYL ACETATE
Concen: 0.08 PPBV
RT: 2.911 min Scan# 272
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 45 Resp: 487

Ion	Ratio	Lower	Upper
45	100		
70	116.6	68.8	108.8#
61	132.6	83.3	123.3#

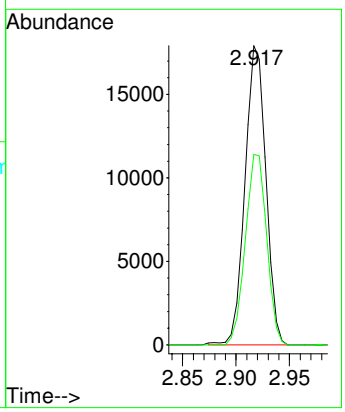


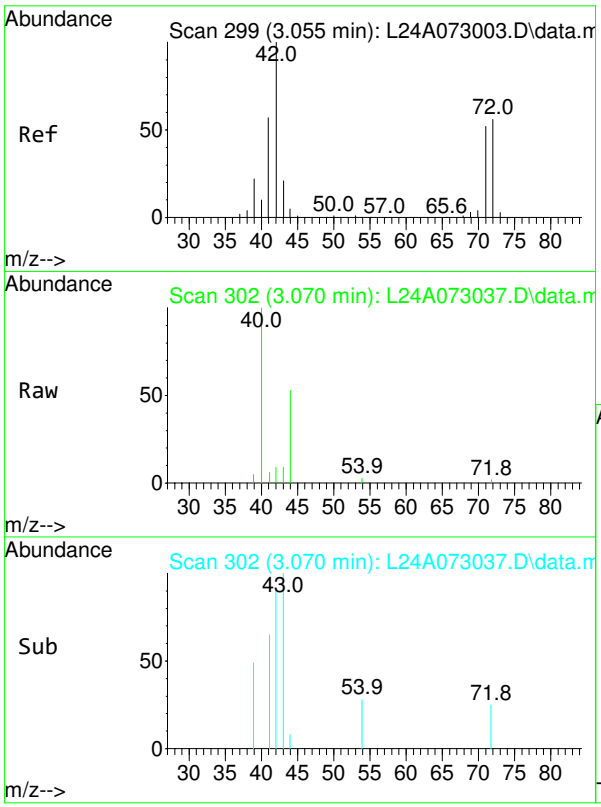


#27
CHLOROFORM
Concen: 0.67 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 83 Resp: 24316

Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.8	84.8

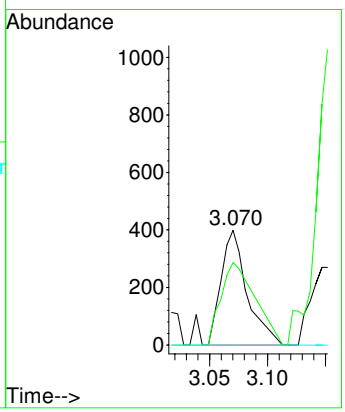


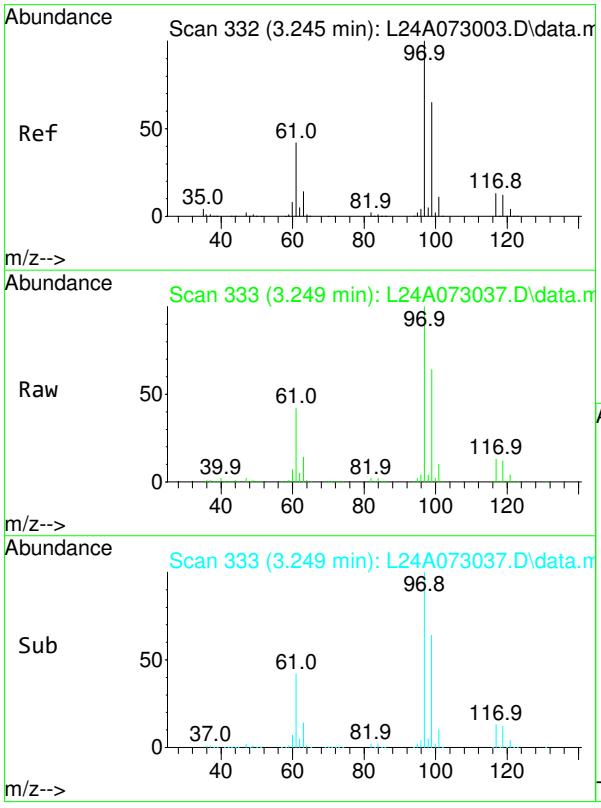


#28
TETRAHYDROFURAN
Concen: 0.03 PPBV
RT: 3.070 min Scan# 302
Delta R.T. 0.019 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 42 Resp: 780

Ion	Ratio	Lower	Upper
42	100		
41	83.7	33.5	73.5#
71	0.0	24.0	64.0#

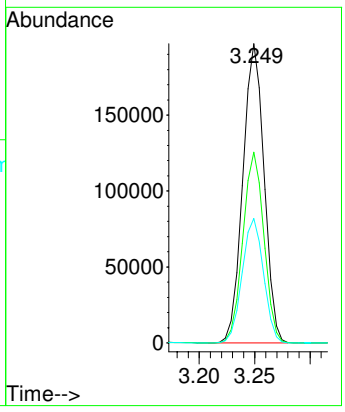


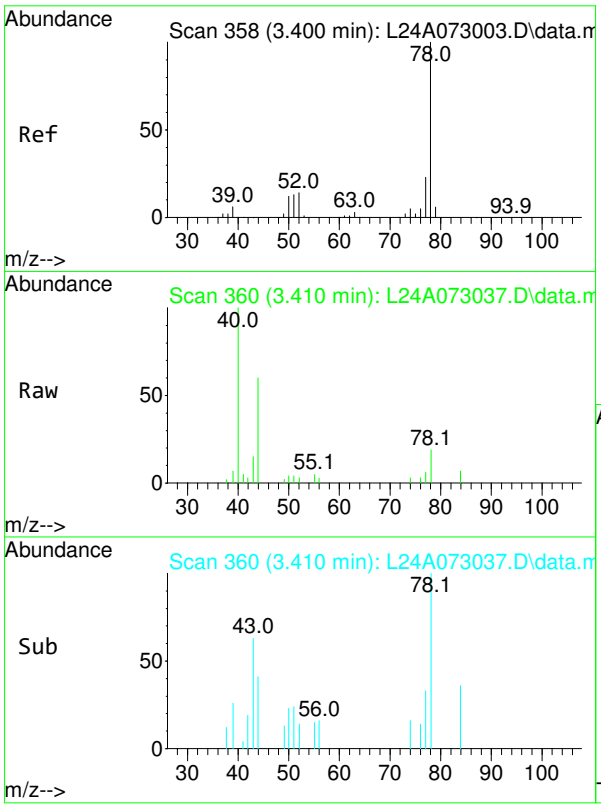


#31
1,1,1-TRICHLOROETHANE
Concen: 6.64 PPBV
RT: 3.249 min Scan# 333
Delta R.T. 0.004 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 97 Resp: 262688

Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.3	85.3
61	41.7	28.1	68.1

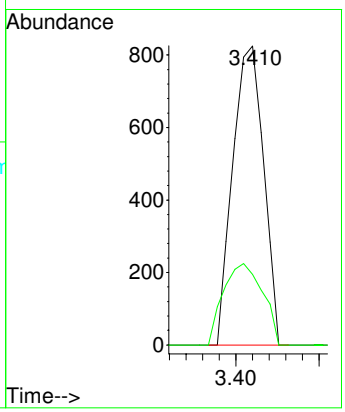


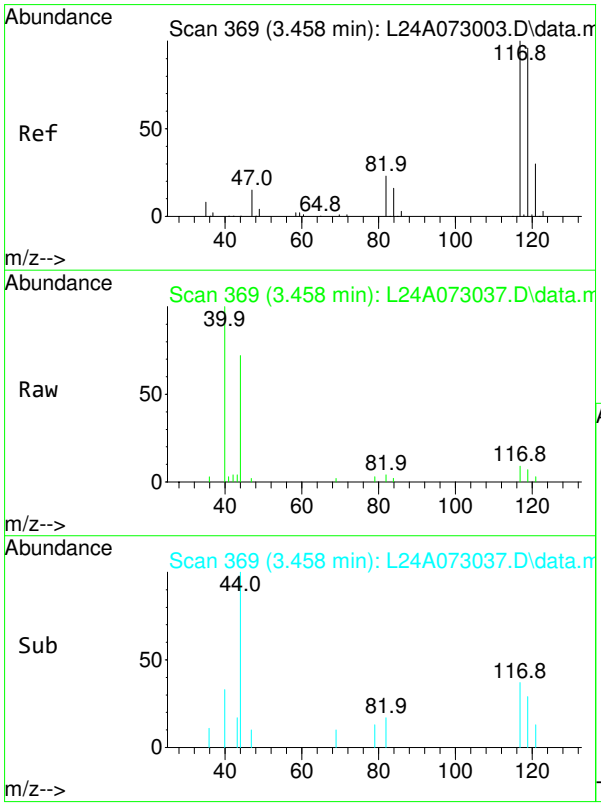


#32
BENZENE
Concen: 0.02 PPBV
RT: 3.410 min Scan# 360
Delta R.T. 0.006 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 78 Resp: 1063

Ion	Ratio	Lower	Upper
78	100		
51	34.9	0.0	37.7

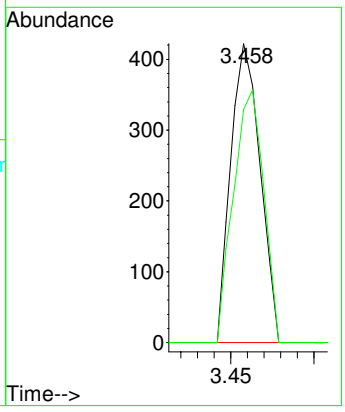


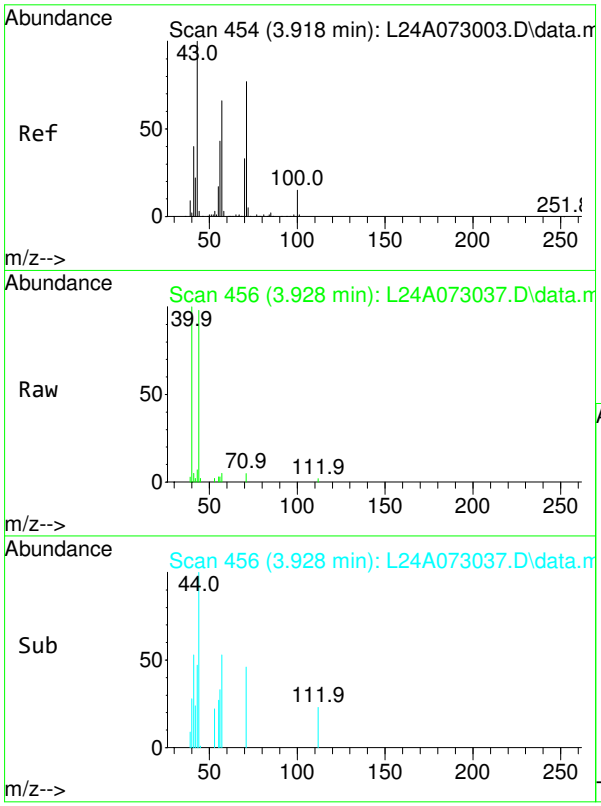


#33
CARBON TETRACHLORIDE
Concen: 0.01 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:117 Resp: 519

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.3	115.3

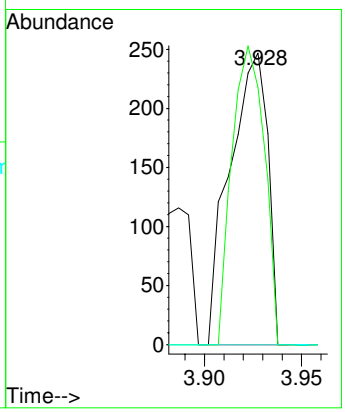


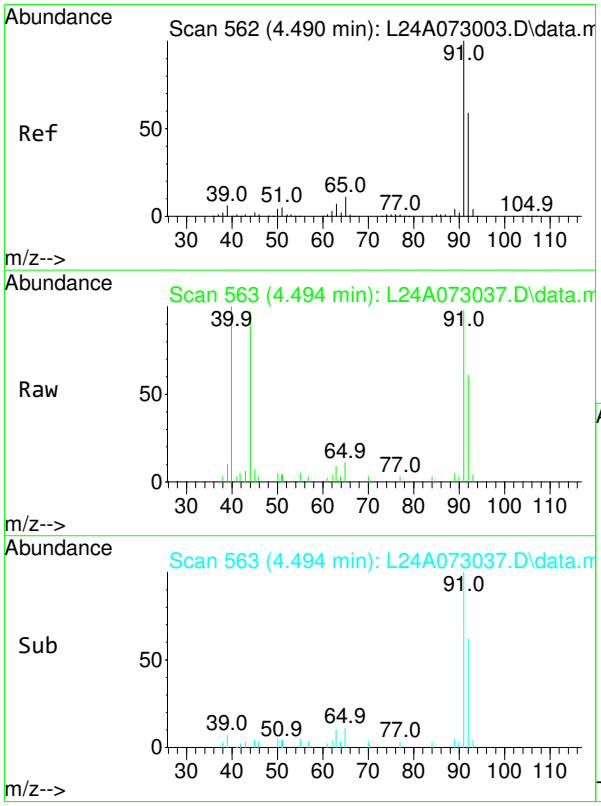


#40
HEPTANE
Concen: 0.02 PPBV
RT: 3.928 min Scan# 456
Delta R.T. 0.004 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 57 Resp: 336

Ion	Ratio	Lower	Upper
57	100		
71	87.2	87.9	127.9#
100	0.0	4.4	44.4#

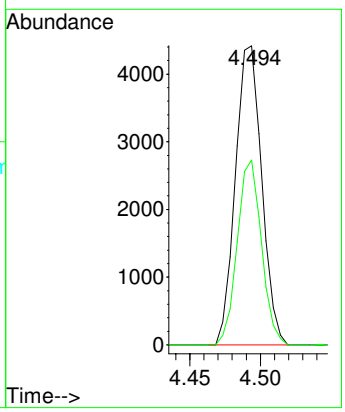


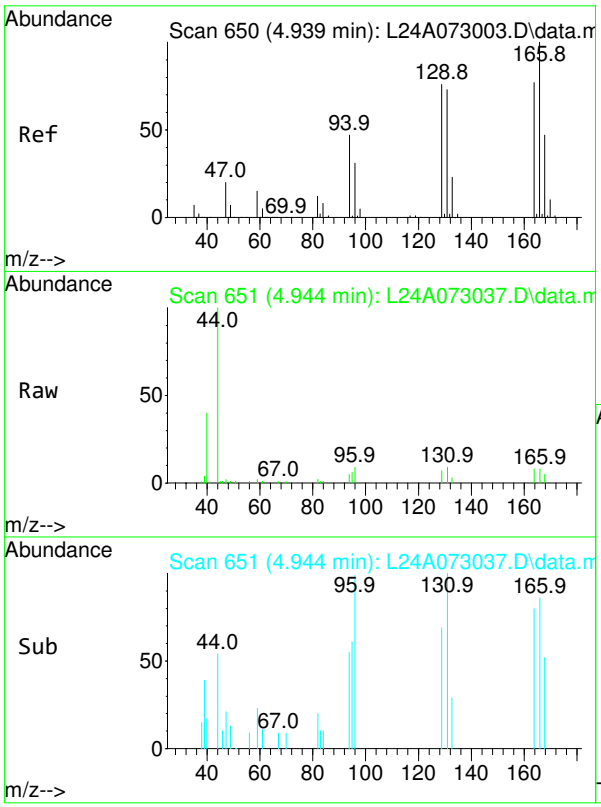


#46
TOLUENE
Concen: 0.09 PPBV
RT: 4.494 min Scan# 563
Delta R.T. -0.000 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 5736

Ion	Ratio	Lower	Upper
91	100		
92	56.8	39.1	79.1

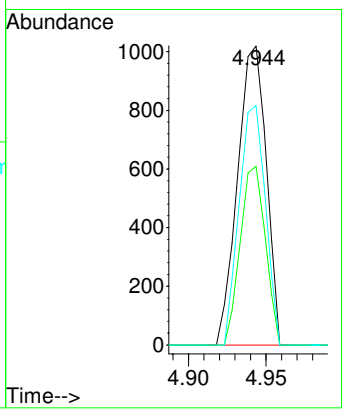


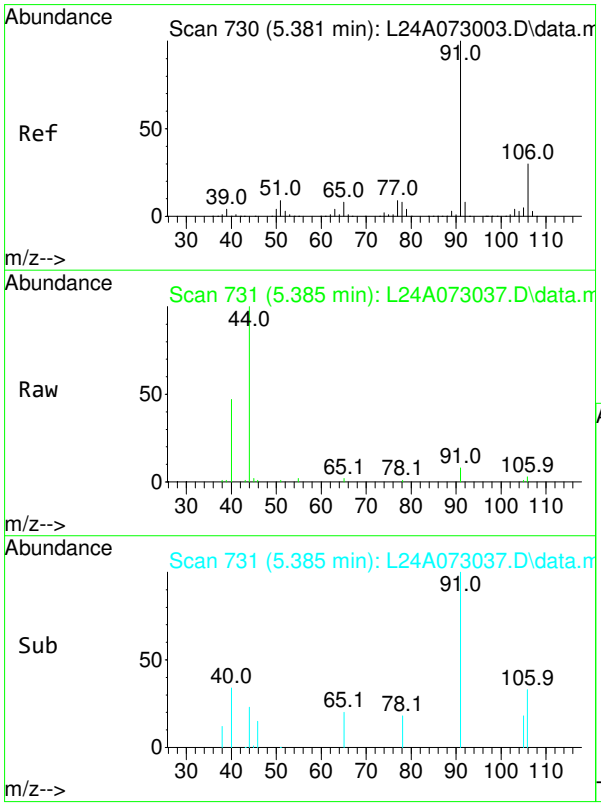


#50
TETRACHLOROETHENE
Concen: 0.04 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:166 Resp: 1309

Ion	Ratio	Lower	Upper
166	100		
168	52.3	28.8	68.8
129	73.3	56.6	96.6

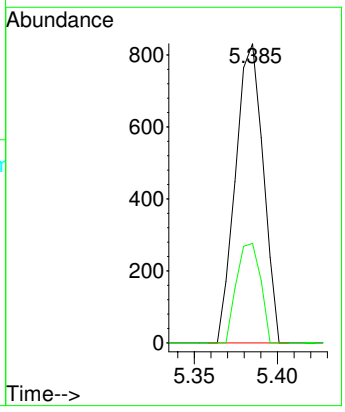


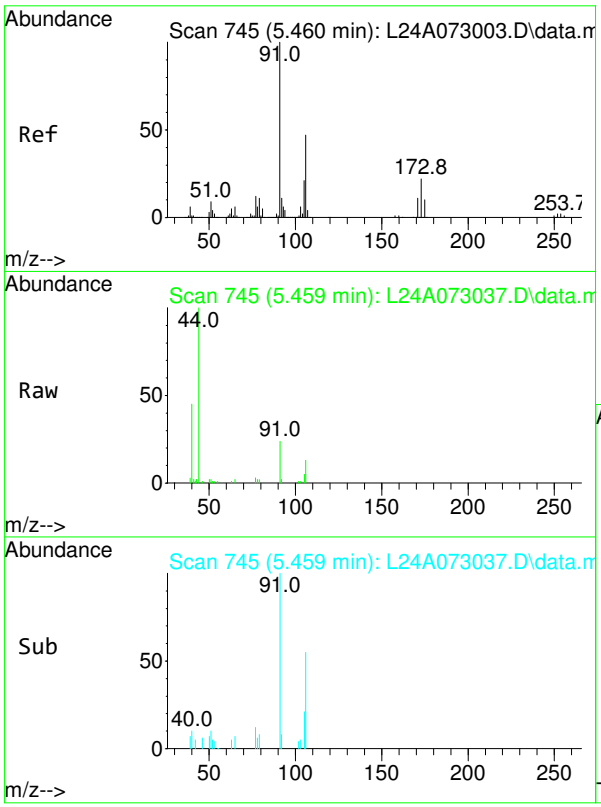


#52
ETHYLBENZENE
Concen: 0.01 PPBV
RT: 5.385 min Scan# 731
Delta R.T. -0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 961

Ion	Ratio	Lower	Upper
91	100		
106	28.7	10.1	50.1

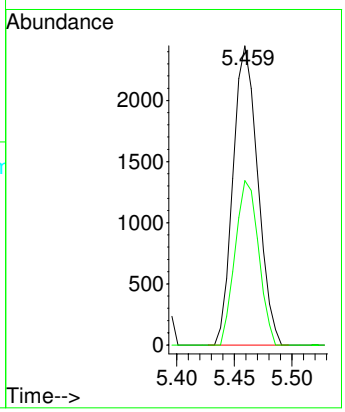


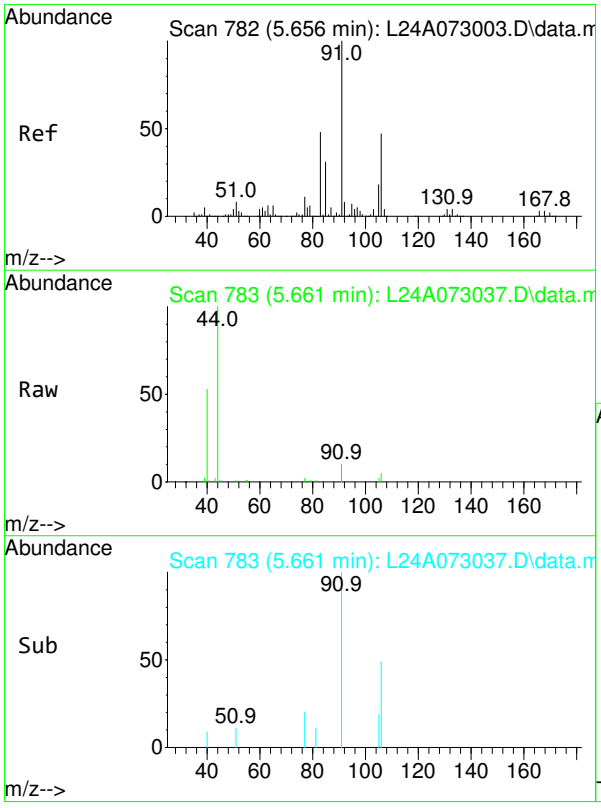


#53
M/P-XYLENE
Concen: 0.05 PPBV
RT: 5.459 min Scan# 745
Delta R.T. -0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 3635

Ion	Ratio	Lower	Upper
91	100		
106	52.0	24.9	64.9

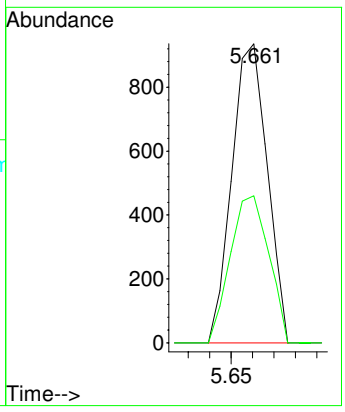


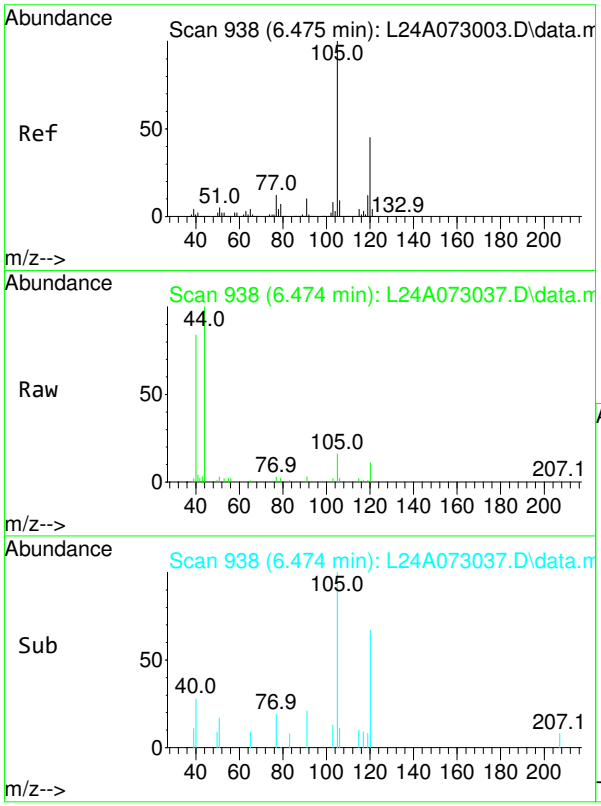


#56
O-XYLENE
Concen: 0.02 PPBV
RT: 5.661 min Scan# 783
Delta R.T. -0.003 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 1079

Ion	Ratio	Lower	Upper
91	100		
106	53.5	25.4	65.4

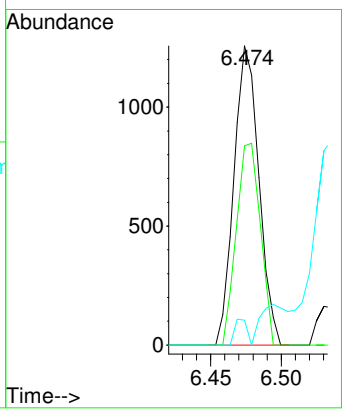


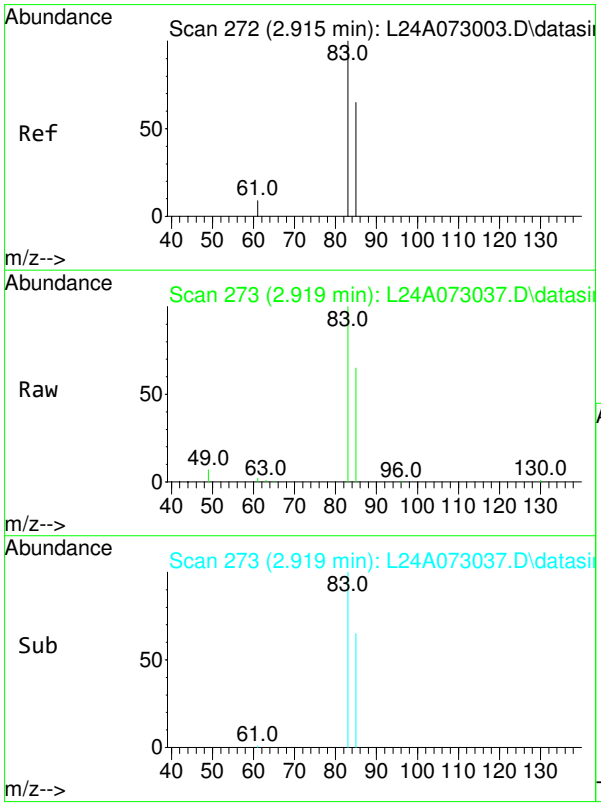


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.474 min Scan# 938
Delta R.T. -0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:105 Resp: 1545

Ion	Ratio	Lower	Upper
105	100		
120	64.9	24.0	64.0#
207	17.5	0.0	20.0

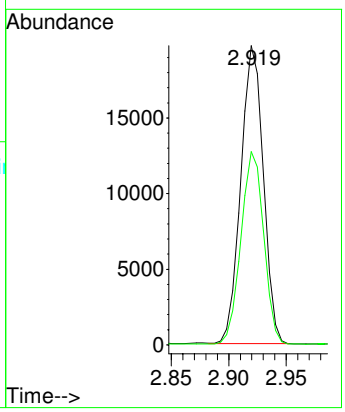


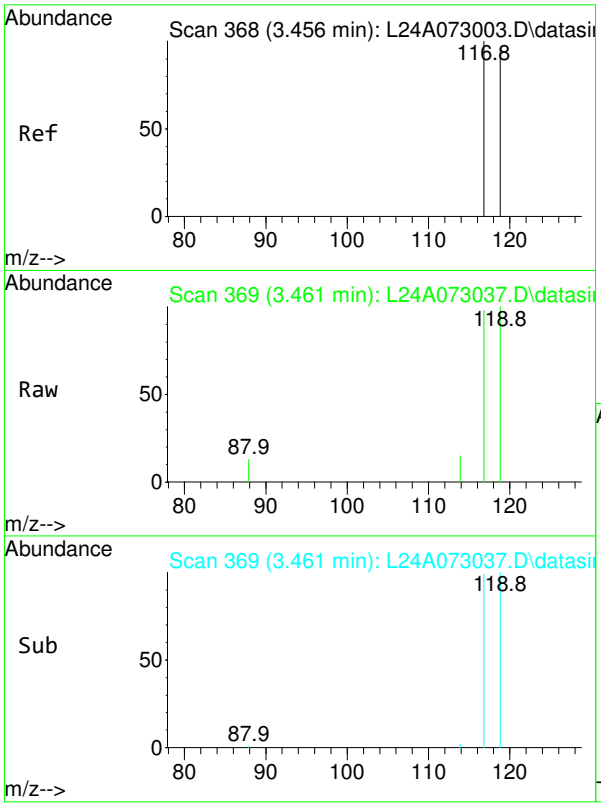


#75
CHLOROFORM (SIM)
Concen: 0.69 PPBV
RT: 2.919 min Scan# 273
Delta R.T. 0.001 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 83 Resp: 26584

Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.0	85.0

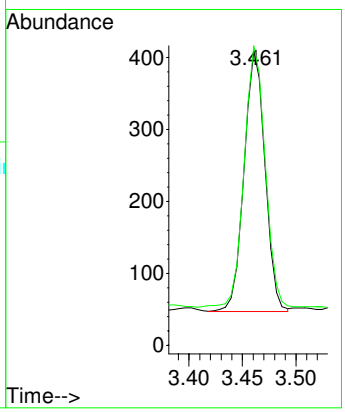




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.01 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:117 Resp: 494

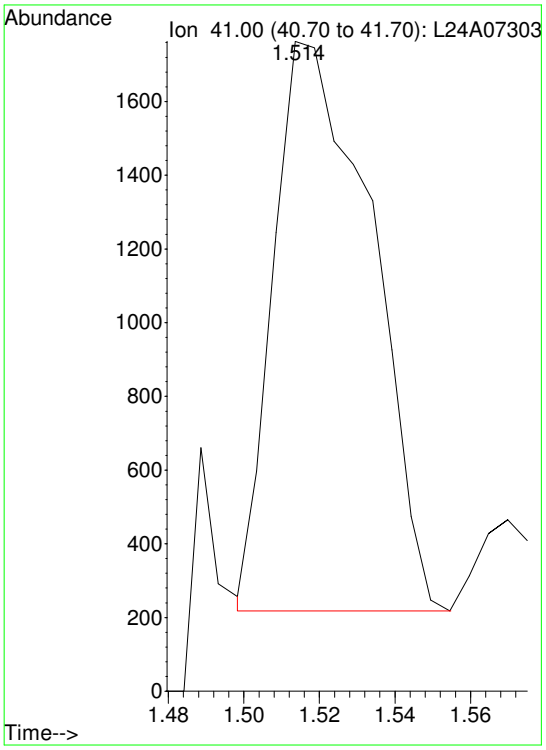
Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

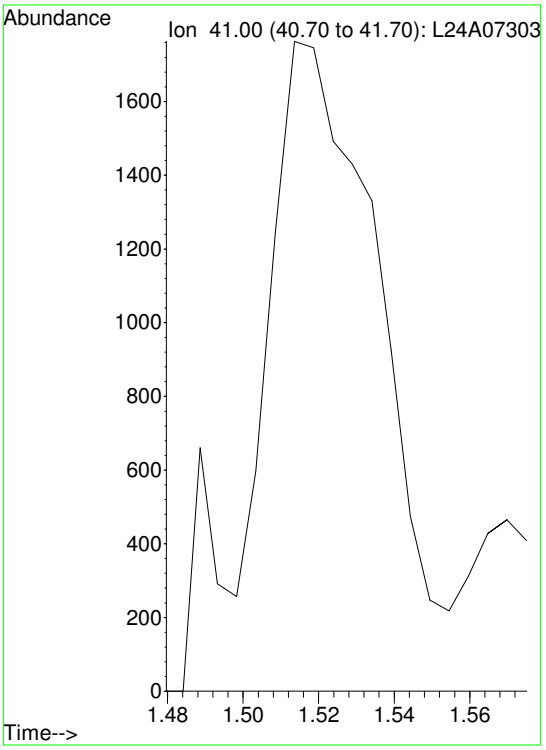
RT : 1.51
Area : 2783
Amount: 0.272818

Manual Int. Results

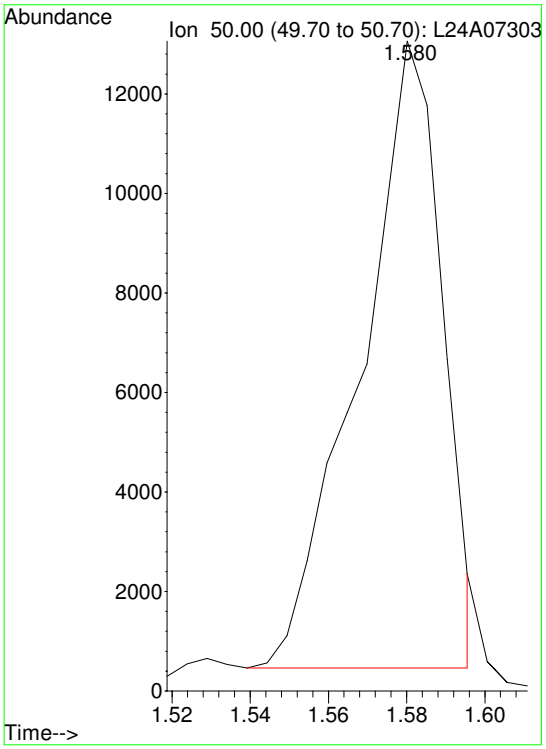
Fri Mar 15 11:23:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

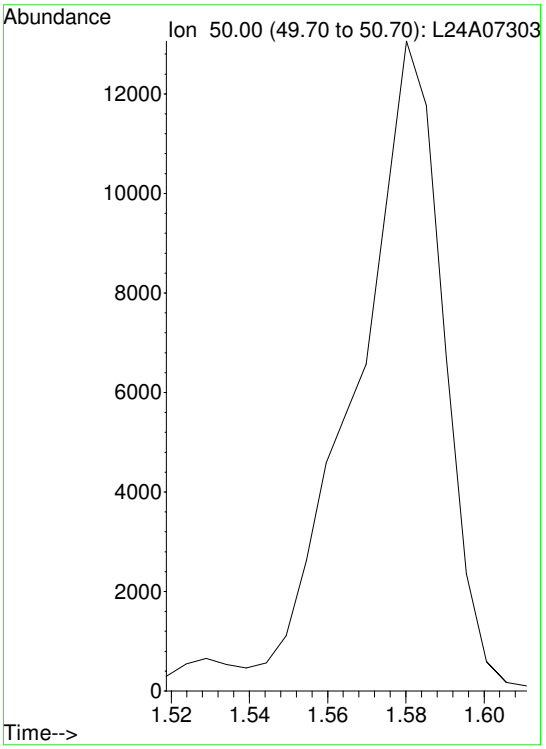
RT : 1.58
Area : 18292
Amount: 1.19768

Manual Int. Results

Fri Mar 15 11:23:56 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

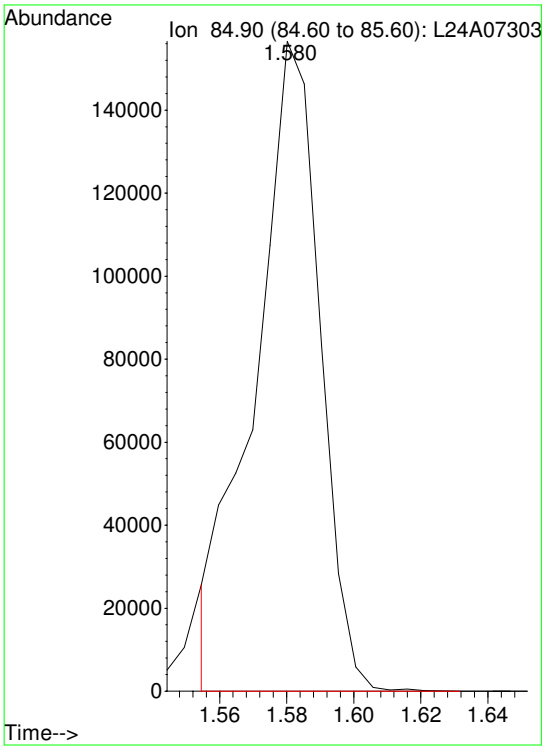
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

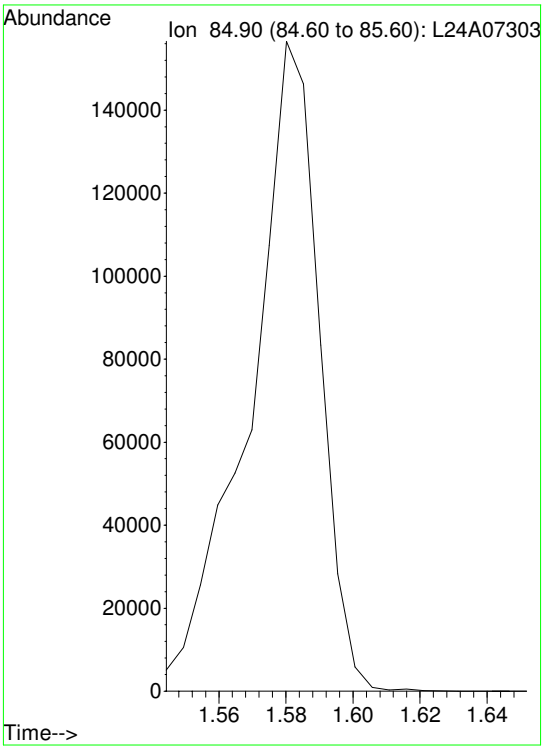
RT : 1.58
Area : 211949
Amount: 4.74441

Manual Int. Results

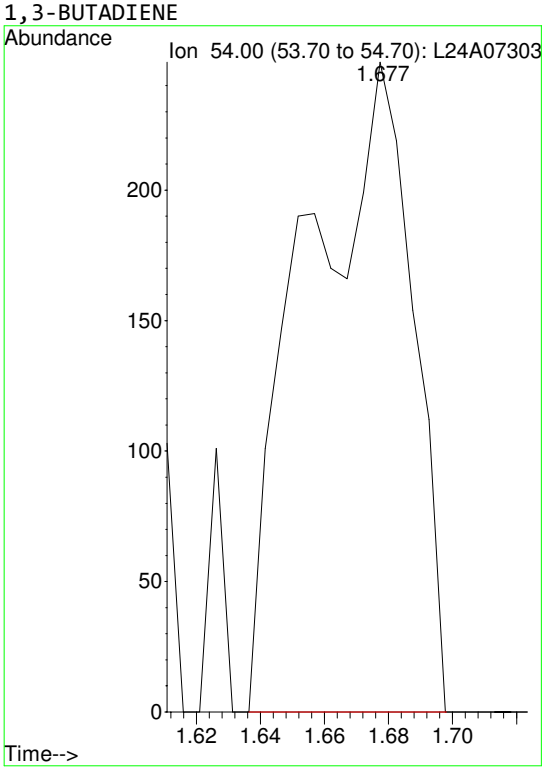
Fri Mar 15 11:24:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

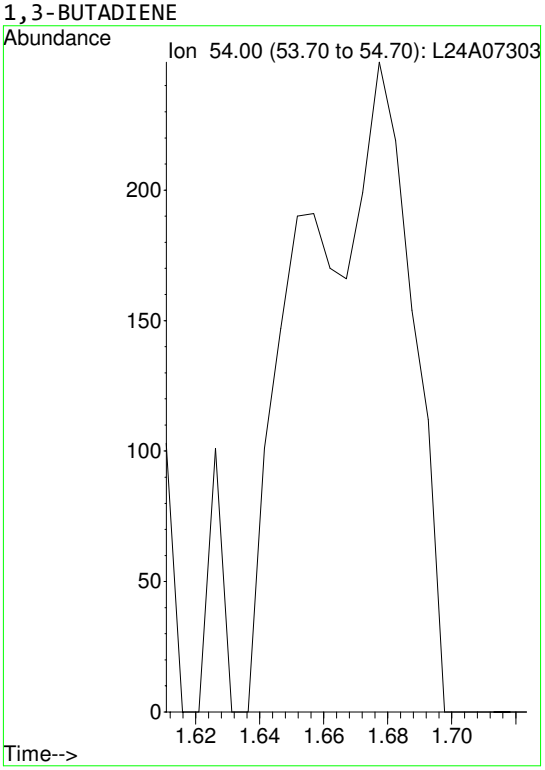
RT : 1.68
Area : 582
Amount: 0.0421859

Manual Int. Results

Fri Mar 15 11:24:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

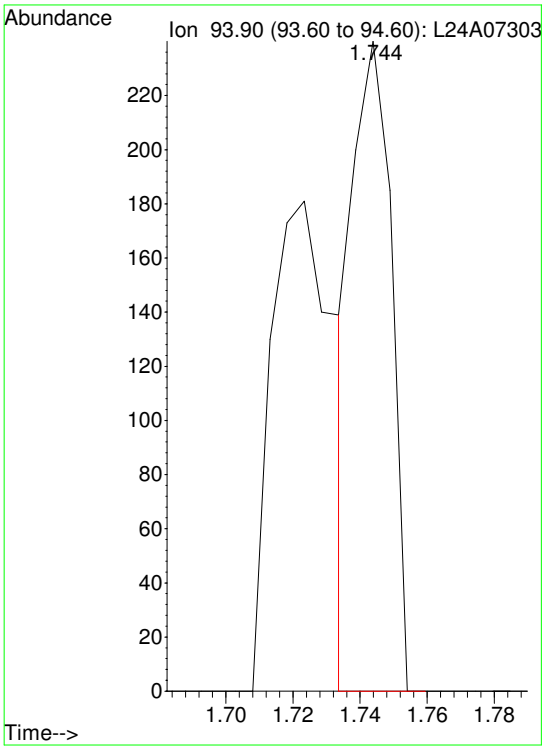
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

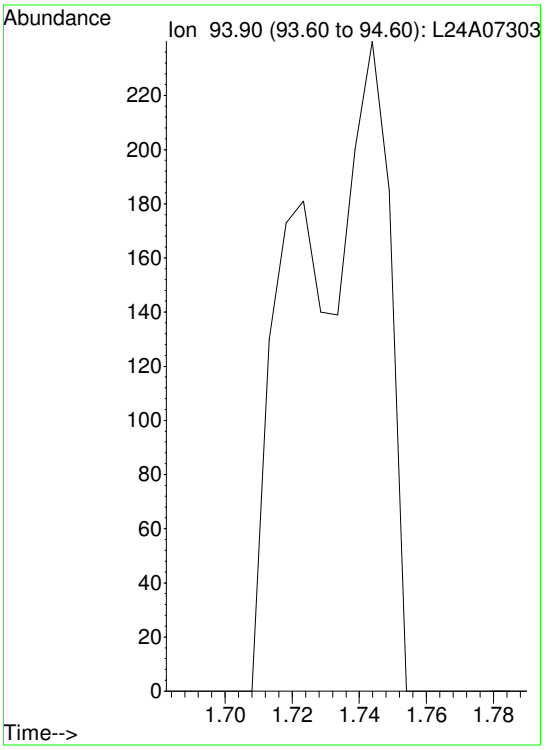
RT : 1.74
Area : 192
Amount: 0.0121584

Manual Int. Results

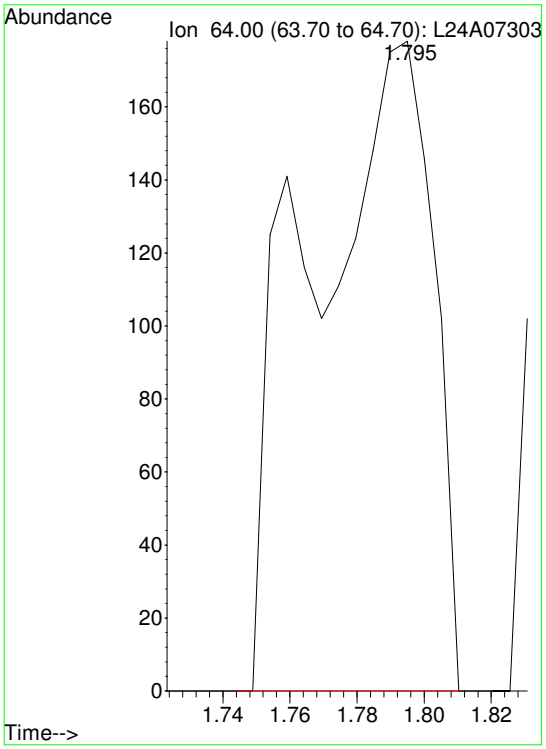
Fri Mar 15 11:24:08 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

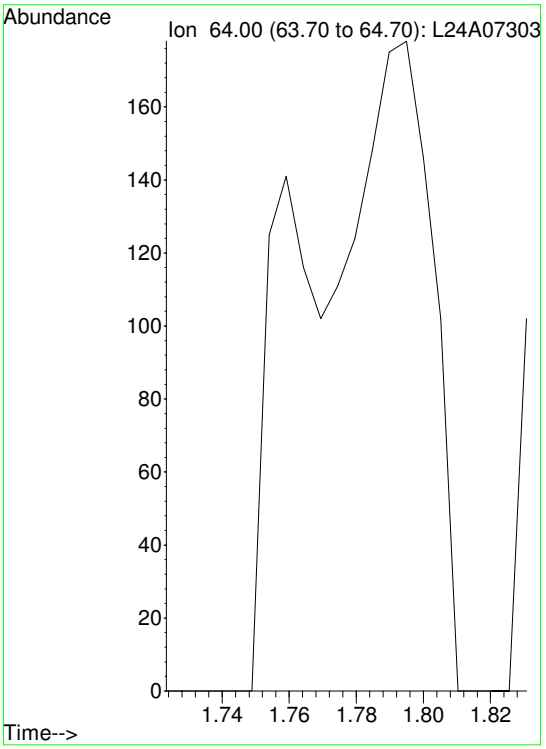
RT : 1.79
Area : 450
Amount: 0.0436607

Manual Int. Results

Fri Mar 15 11:24:11 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

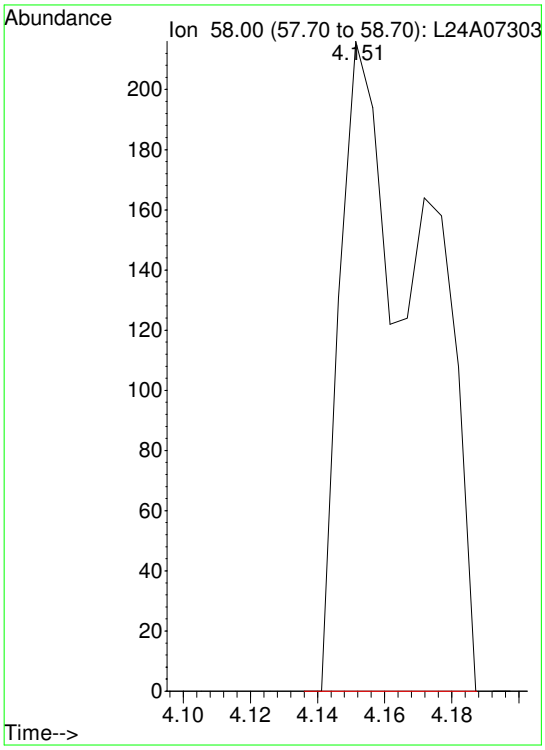
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

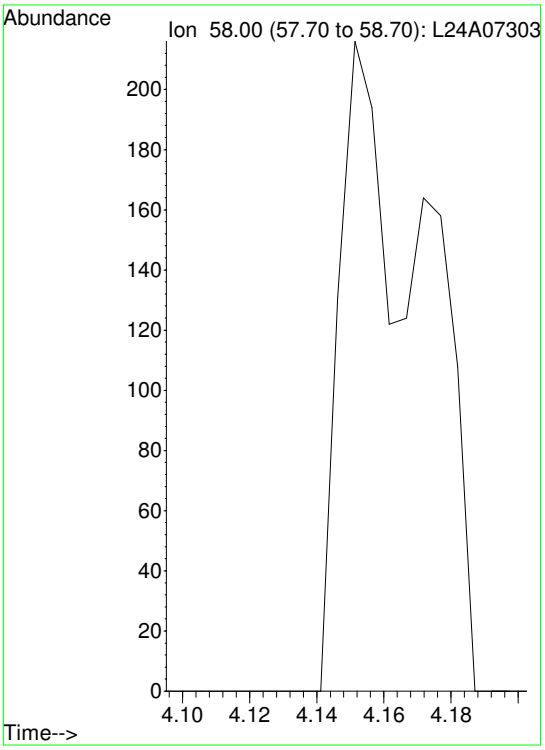
RT : 4.15
Area : 373
Amount: 0.0198275

Manual Int. Results

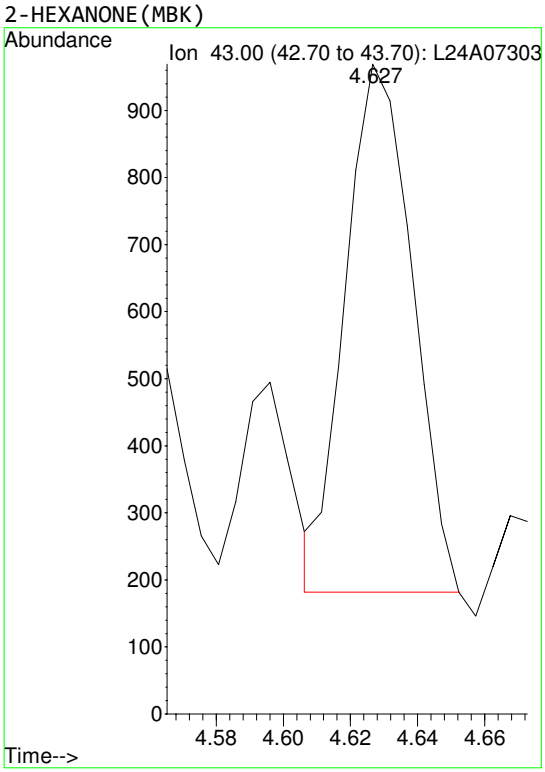
Fri Mar 15 11:24:29 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

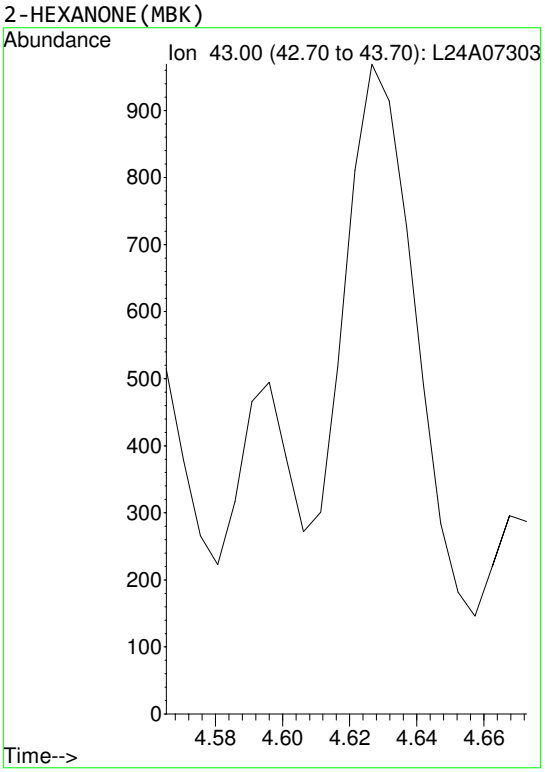
RT : 4.63
Area : 1091
Amount: 0.0257404

Manual Int. Results

Fri Mar 15 11:24:37 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

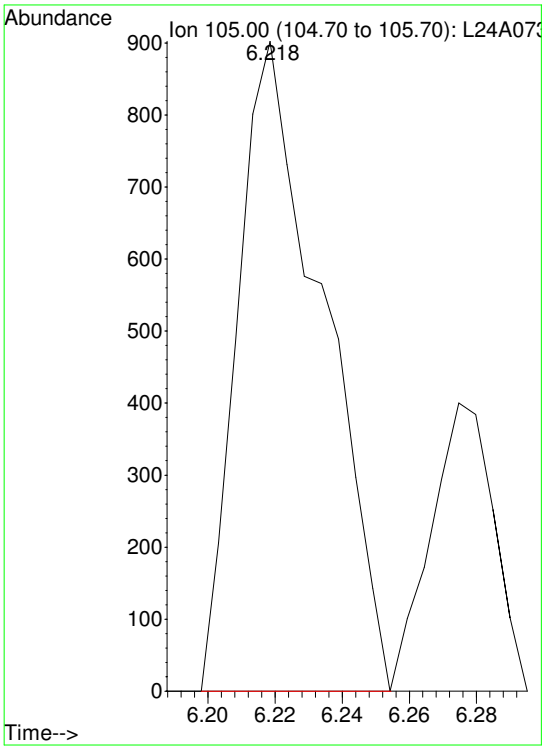
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
4-ETHYLTOLUENE



Original Int. Results

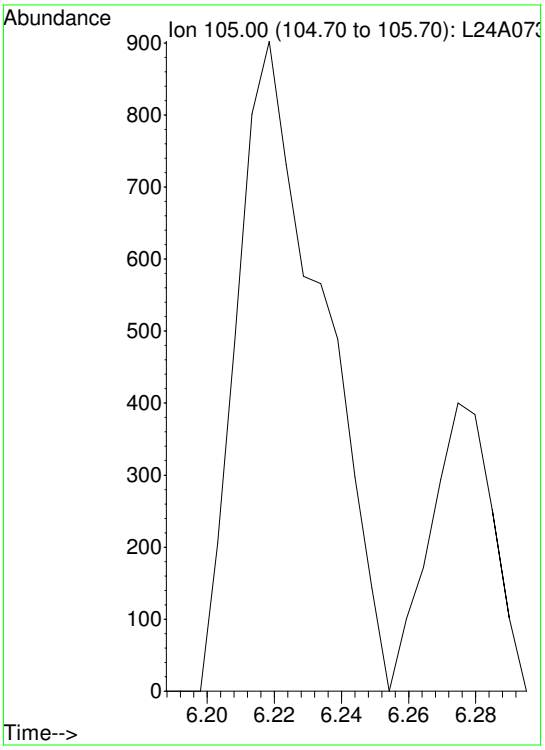
RT : 6.22
Area : 1593
Amount: 0.0180645

Manual Int. Results

Fri Mar 15 11:24:41 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-08	File ID:	L24A073032.D
Sampled:	02/28/24 20:51	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:56
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	10	0.71	1.4	
71-43-2	Benzene	0.43	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	1.6	0.68	1.4	
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.20	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.20	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane	0.033	0.032	0.035	J
67-66-3	Chloroform	0.28	0.017	0.035	
67-66-3	Chloroform (SIM)	0.28	0.0018	0.0070	
74-87-3	Chloromethane	0.67	0.047	0.070	
110-82-7	Cyclohexane	0.081	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	0.097	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	1.5	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.014	0.013	0.035	J
107-62-2	1,2-Dichloroethane (SIM)	0.017	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-08	File ID:	L24A073032.D
Sampled:	02/28/24 20:51	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:56
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.017	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	860	0.92	1.4	E
141-78-6	Ethyl Acetate	1.2	0.14	0.35	
100-41-4	Ethylbenzene	0.12	0.012	0.035	
622-96-8	4-Ethyltoluene	0.027	0.015	0.035	J
142-82-5	Heptane	0.25	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)	0.12	0.015	0.035	
67-63-0	Isopropanol	2.3	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.31	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.050	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.096	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene	0.048	0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-08	File ID:	L24A073032.D
Sampled:	02/28/24 20:51	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:56
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran	0.39	0.13	0.35	
108-88-3	Toluene	0.68	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane	0.032	0.011	0.035	J
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.24	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.15	0.0095	0.14	
95-63-6	1,2,4-Trimethylbenzene	0.18	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.051	0.027	0.035	
108-05-4	Vinyl Acetate	2.8	0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.31	0.024	0.070	
95-47-6	o-Xylene	0.15	0.013	0.035	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073032.D Vial: 28
Acq On : 14 Mar 2024 01:56 am Operator: CMR
Sample : 24C0251-08 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:00 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073032.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.864	49	206000	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	626319	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	568987	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227833	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.536	114	668036	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	627320	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.853	174	291242	7.437	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.00%				
87) 4-BROMOFLUOROBENZENE (...	5.856	174	312540	7.782	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 97.25%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.519	85	96209	2.113	PPBV		99
4) CHLOROMETHANE	1.570	50	15049	0.958	PPBV		94
5) FREON 114	1.601	85	1092	0.024	PPBV		88
8) BROMOMETHANE	1.729	94	490	0.030	PPBV	#	78
9) CHLOROETHANE	1.775	64	506	0.048	PPBV		79
10) ACROLEIN	1.898	56	18639	2.280	PPBV		89
11) ACETONE	1.933	43	418752	14.491	PPBV	#	64
12) TRICHLOROFLUOROMETHANE	1.984	101	16447	0.352	PPBV		97
13) ETHANOL	1.805	45	5509723	1235.096	PPBV		95
15) METHYLENE CHLORIDE	2.206	49	9928	0.442	PPBV	#	73
16) FREON 113	2.296	101	7893	0.213	PPBV		94
17) CARBON DISULFIDE	2.296	76	4450	0.084	PPBV		91
21) IPA	2.005	45	100072	3.292	PPBV		99
22) 2-BUTANONE(MEK)	2.684	43	82386	2.316	PPBV		87
24) VINYL ACETATE	2.599	43	154005	4.087	PPBV		73
25) HEXANE	2.896	41	8583	0.448	PPBV		87
26) ETHYL ACETATE	2.901	45	10457	1.699	PPBV		95
27) CHLOROFORM	2.911	83	15061	0.406	PPBV		98
28) TETRAHYDROFURAN	3.065	42	13220	0.563	PPBV	#	29
29) 1,2-DICHLOROETHANE	3.153	62	505	0.020	PPBV	#	90
31) 1,1,1-TRICHLOROETHANE	3.245	97	1837	0.046	PPBV		88
32) BENZENE	3.401	78	35045	0.617	PPBV		90
33) CARBON TETRACHLORIDE	3.454	117	11738	0.293	PPBV		97
34) CYCLOHEXANE	3.501	84	2752	0.116	PPBV		80
39) METHYLMETHACRYLATE	3.878	69	974	0.049	PPBV		86
40) HEPTANE	3.919	57	6471	0.361	PPBV	#	80
46) TOLUENE	4.490	91	65207	0.977	PPBV		98
47) 2-HEXANONE(MBK)	4.618	43	7516	0.176	PPBV	#	72
50) TETRACHLOROETHENE	4.940	166	2036	0.069	PPBV		92
52) ETHYLBENZENE	5.382	91	13993	0.167	PPBV		93
53) M/P-XYLENE	5.456	91	30618	0.443	PPBV		88
55) STYRENE	5.610	104	6557	0.138	PPBV		93
56) O-XYLENE	5.658	91	14500	0.213	PPBV		98
59) 4-ETHYLTOLUENE	6.232	105	3450m	0.039	PPBV		
60) 1,3,5-TRIMETHYLBENZENE	6.278	105	5466	0.073	PPBV		86
61) 1,2,4-TRIMETHYLBENZENE	6.472	105	18930	0.261	PPBV	#	97
64) 1,4-DICHLOROBENZENE	6.569	146	5784	0.140	PPBV		93
67) NAPHTHALENE	7.796	128	4910	0.072	PPBV		97
75] CHLOROFORM (SIM)	2.914	83	16220	0.403	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	673	0.025	PPBV		100

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073032.D Vial: 28
Acq On : 14 Mar 2024 01:56 am Operator: CMR
Sample : 24C0251-08 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:00 2024

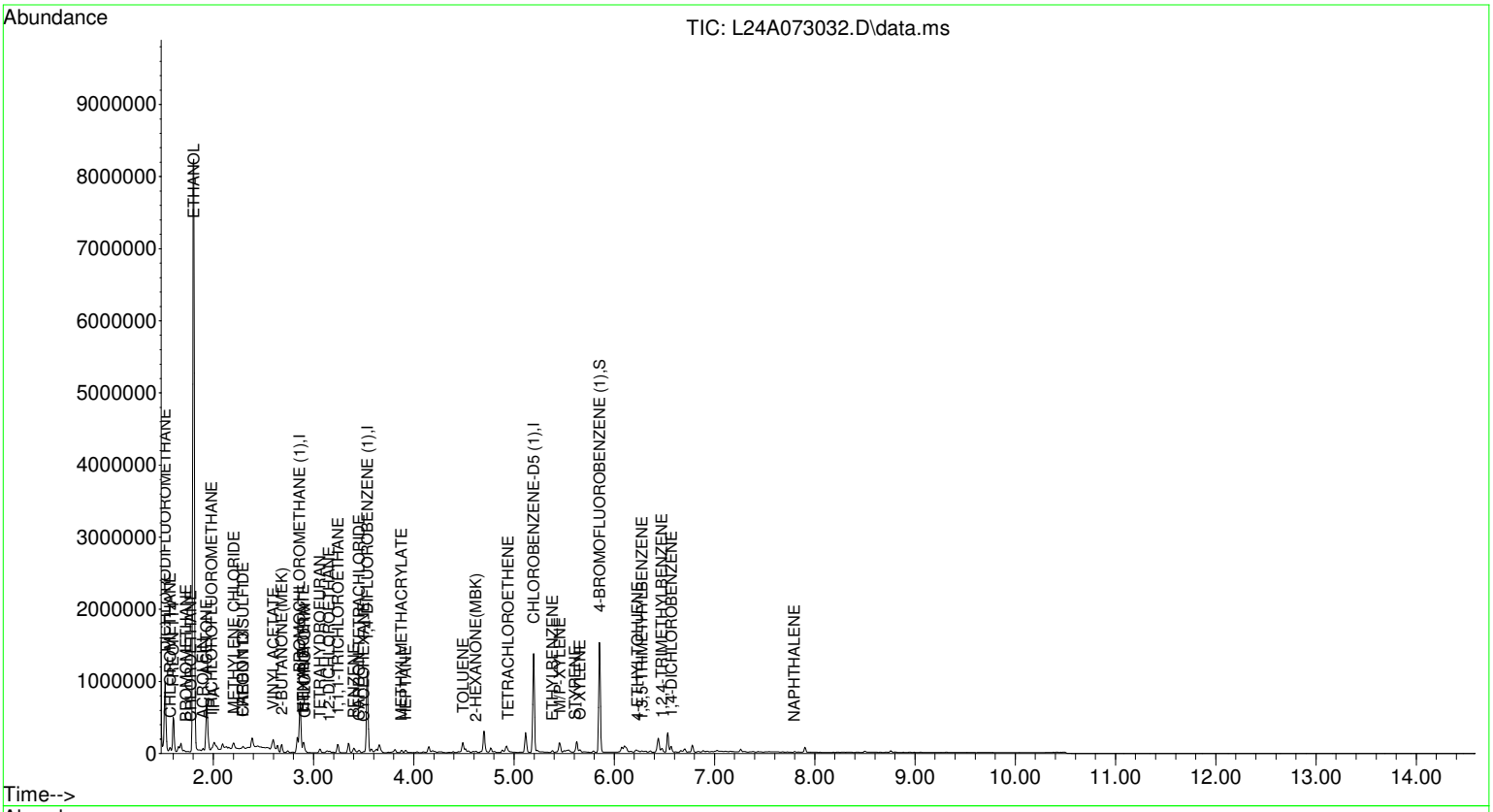
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073032.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

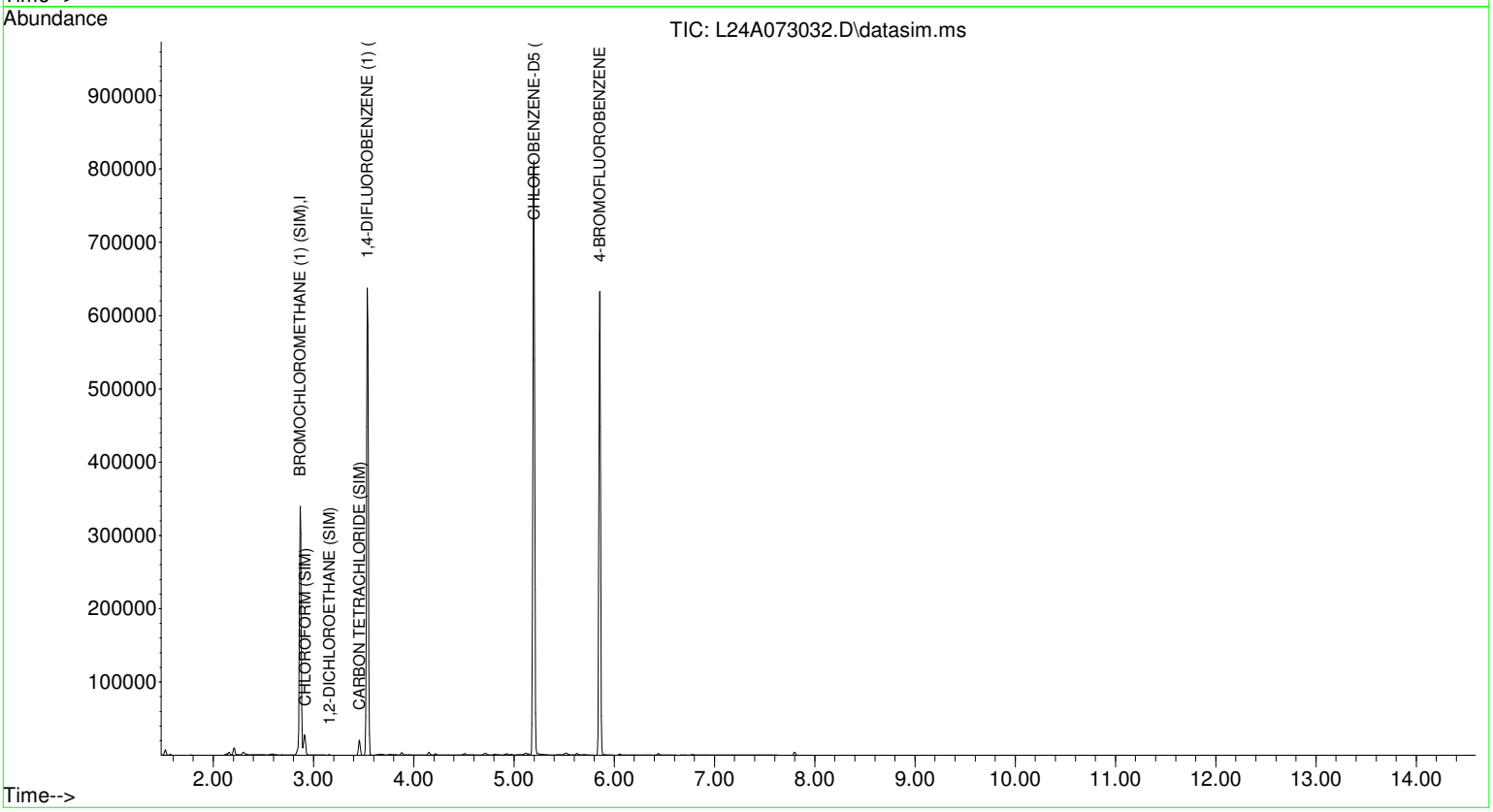
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78] CARBON TETRACHLORIDE (...	3.457	117	12821	0.288	PPBV	99

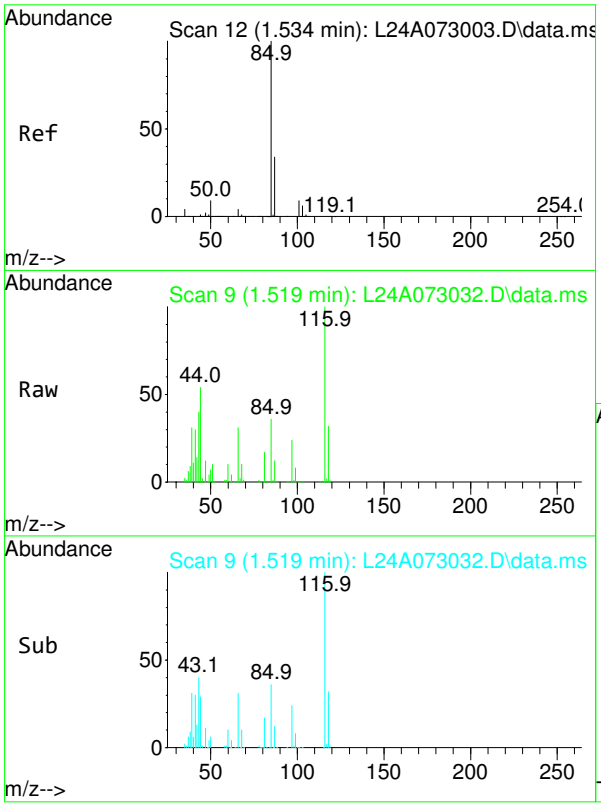
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073032.D Vial: 28
Acq On : 14 Mar 2024 01:56 am Operator: CMR
Sample : 24C0251-08 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:00 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073032.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



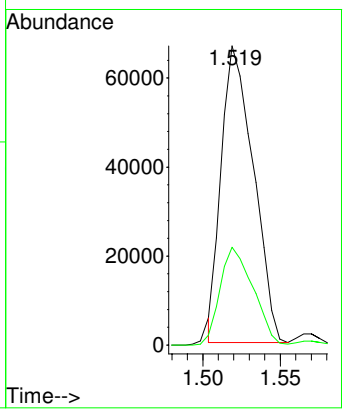


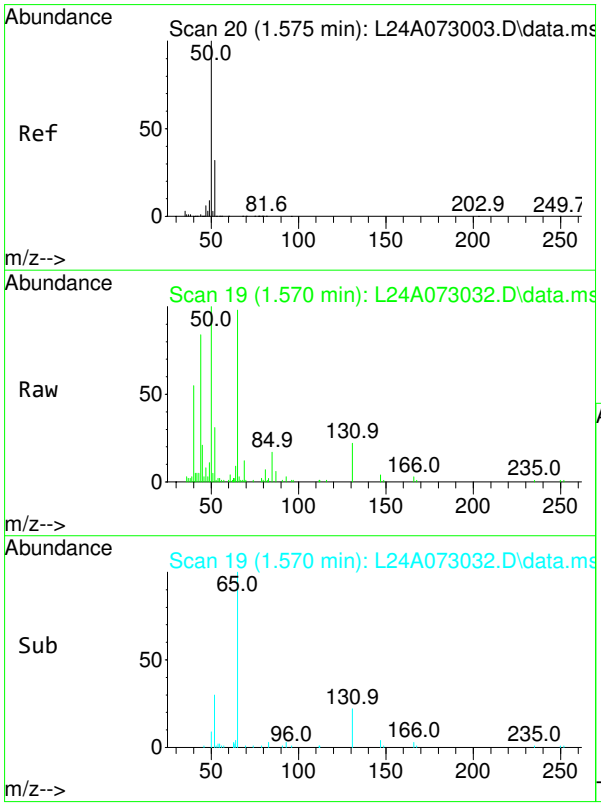


#3
DICHLORODIFLUOROMETHANE
Concen: 2.11 PPBV
RT: 1.519 min Scan# 9
Delta R.T. -0.016 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 85 Resp: 96209

Ion	Ratio	Lower	Upper
85	100		
87	32.5	12.0	52.0

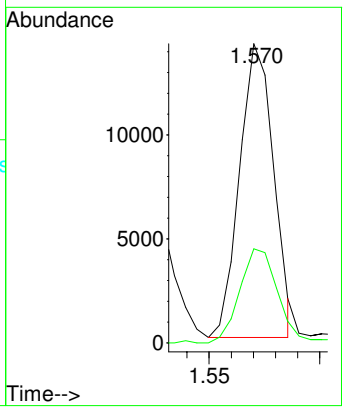


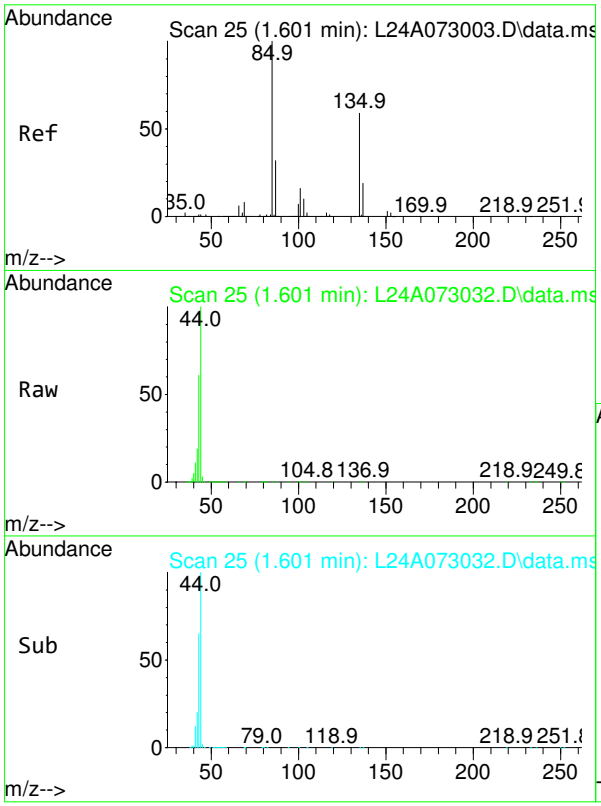


#4
CHLOROMETHANE
Concen: 0.96 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 50 Resp: 15049

Ion	Ratio	Lower	Upper
50	100		
52	34.7	11.2	51.2

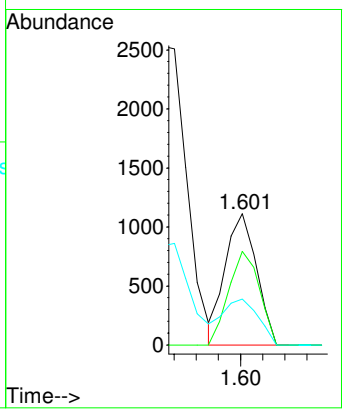


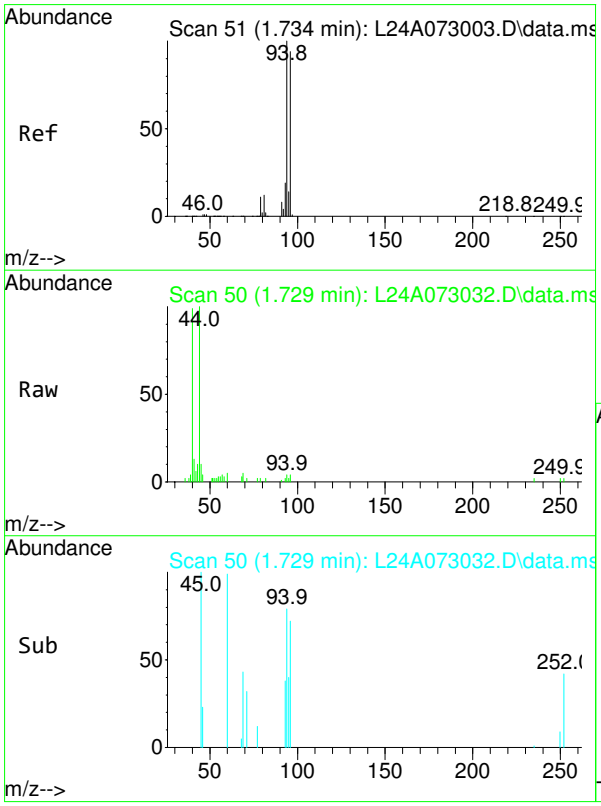


#5
FREON 114
Concen: 0.02 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 85 Resp: 1092

Ion	Ratio	Lower	Upper
85	100		
135	70.1	41.5	81.5
87	40.3	12.1	52.1

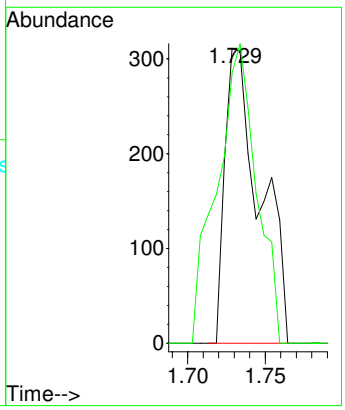


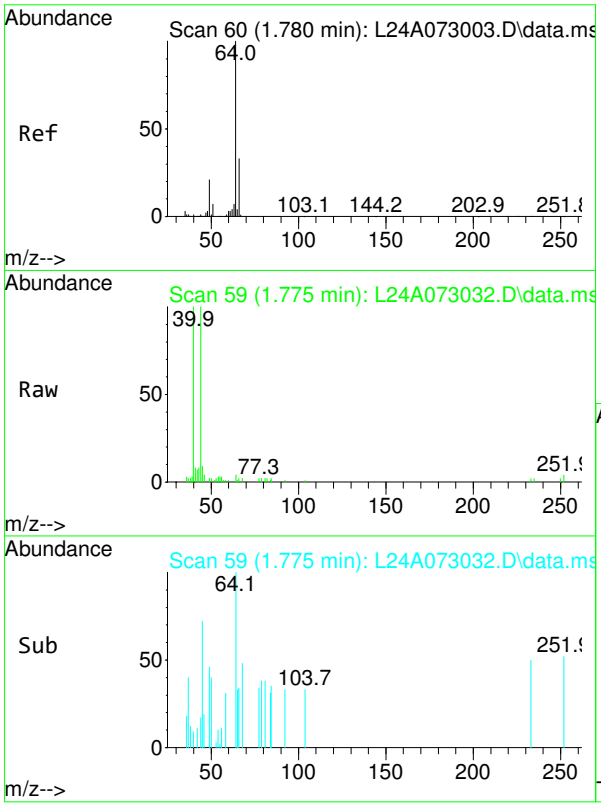


#8
BROMOMETHANE
Concen: 0.03 PPBV
RT: 1.729 min Scan# 50
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 94 Resp: 490

Ion	Ratio	Lower	Upper
94	100		
96	114.7	73.3	113.3#

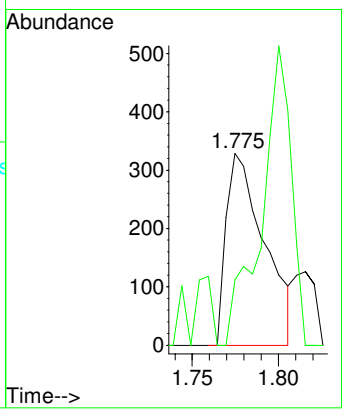


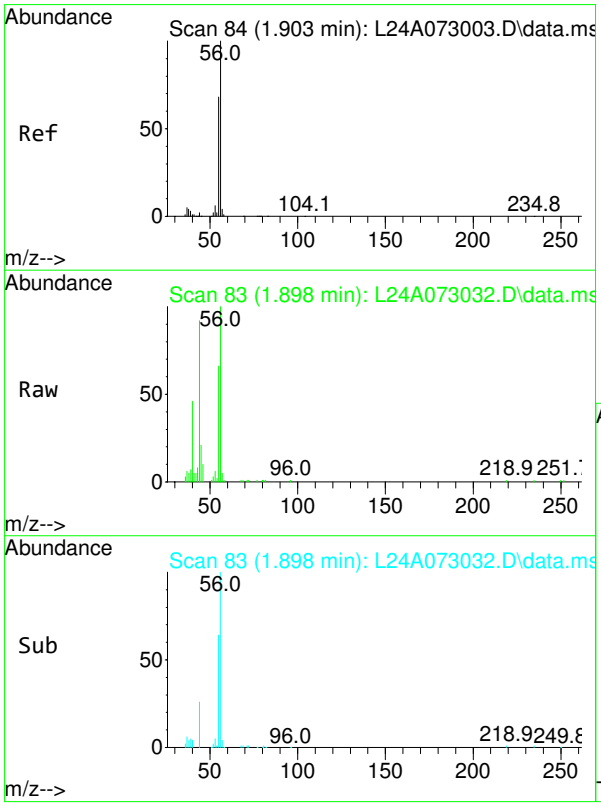


#9
CHLOROETHANE
Concen: 0.05 PPBV
RT: 1.775 min Scan# 59
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 64 Resp: 506

Ion	Ratio	Lower	Upper
64	100		
66	20.2	11.9	51.9

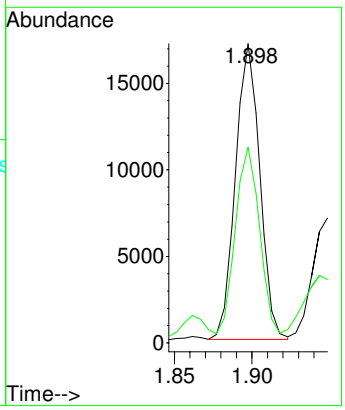


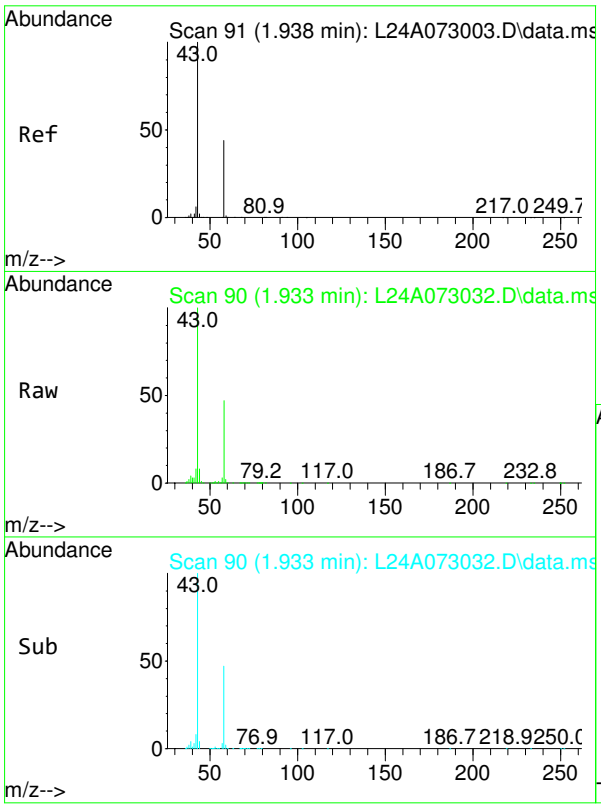


#10
ACROLEIN
Concen: 2.28 PPBV
RT: 1.898 min Scan# 83
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 56 Resp: 18639

Ion	Ratio	Lower	Upper
56	100		
55	61.9	51.4	91.4

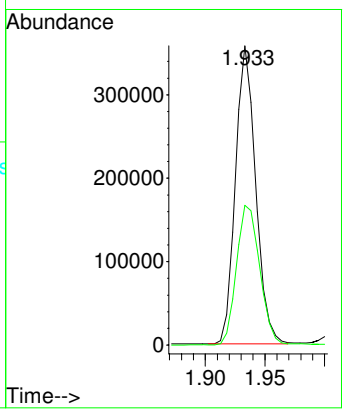


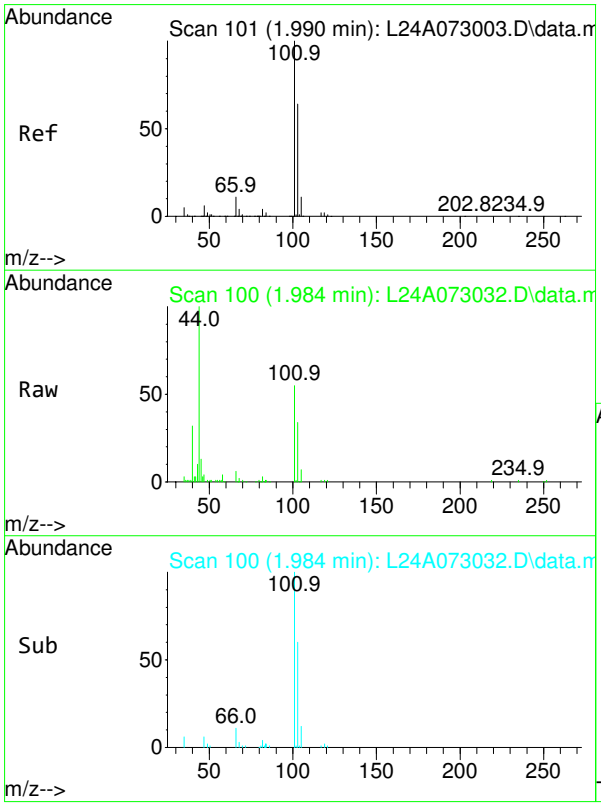


#11
ACETONE
Concen: 14.49 PPBV
RT: 1.933 min Scan# 90
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 418752

Ion	Ratio	Lower	Upper
43	100		
58	53.7	13.1	53.1#

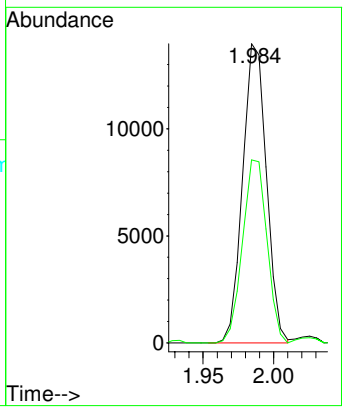


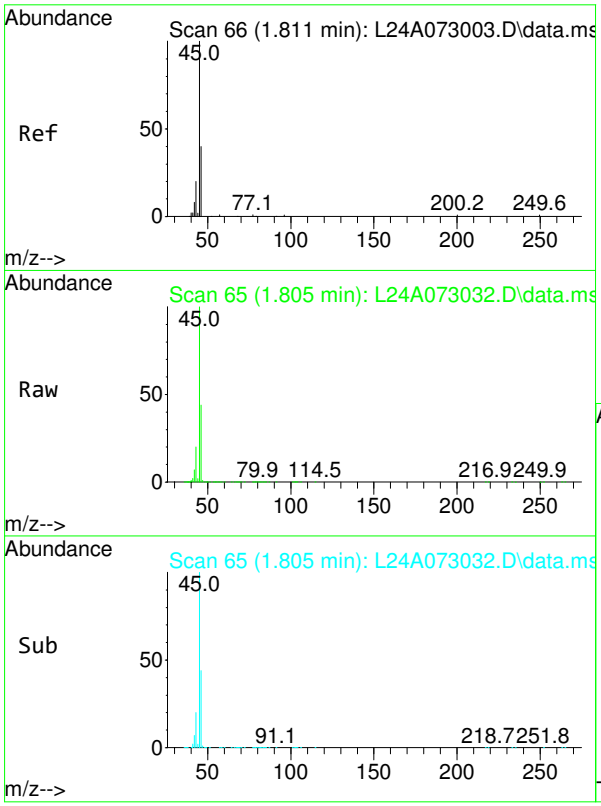


#12
TRICHLOROFLUOROMETHANE
Concen: 0.35 PPBV
RT: 1.984 min Scan# 100
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:101 Resp: 16447

Ion	Ratio	Lower	Upper
101	100		
103	62.7	44.7	84.7

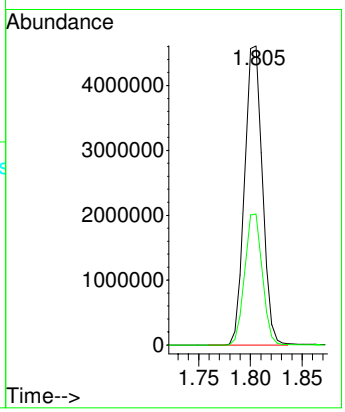


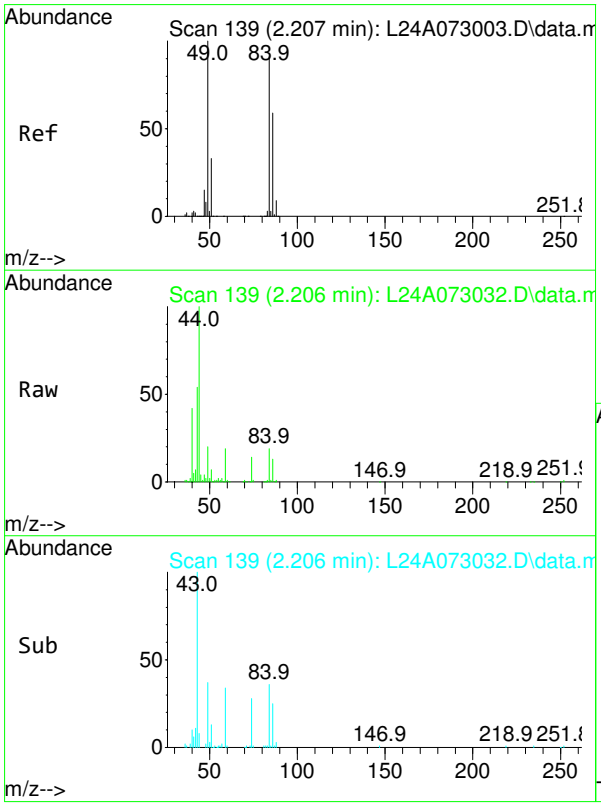


#13
ETHANOL
Concen: 1235.10 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 45 Resp: 5509723

Ion	Ratio	Lower	Upper
45	100		
46	43.4	20.5	60.5

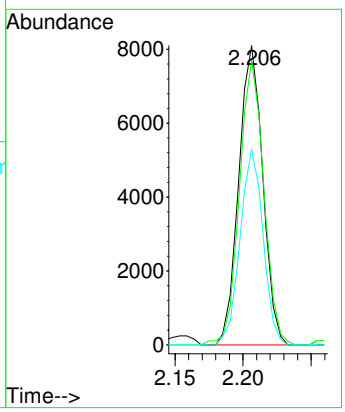


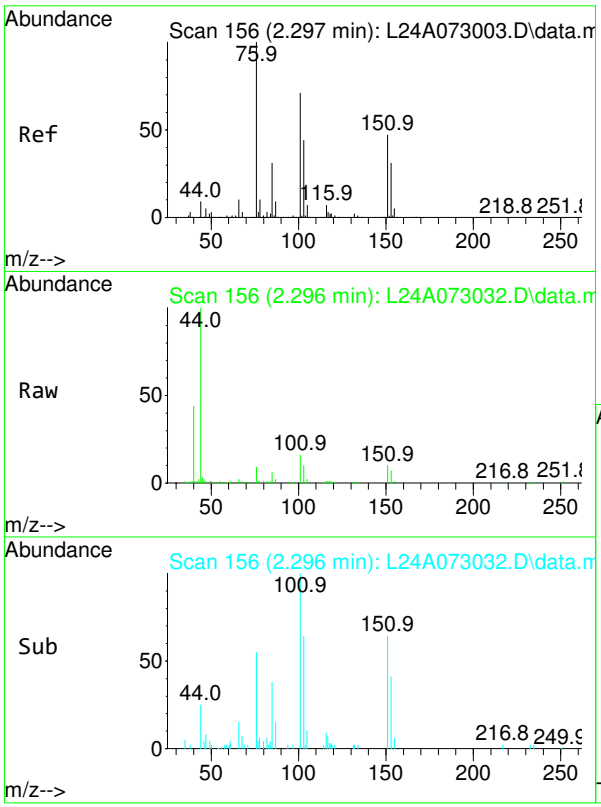


#15
METHYLENE CHLORIDE
Concen: 0.44 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 49 Resp: 9928

Ion	Ratio	Lower	Upper
49	100		
84	96.2	52.0	92.0#
86	62.5	27.3	67.3

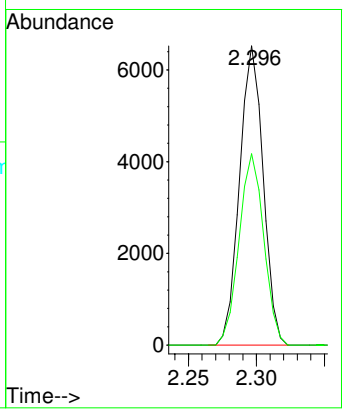


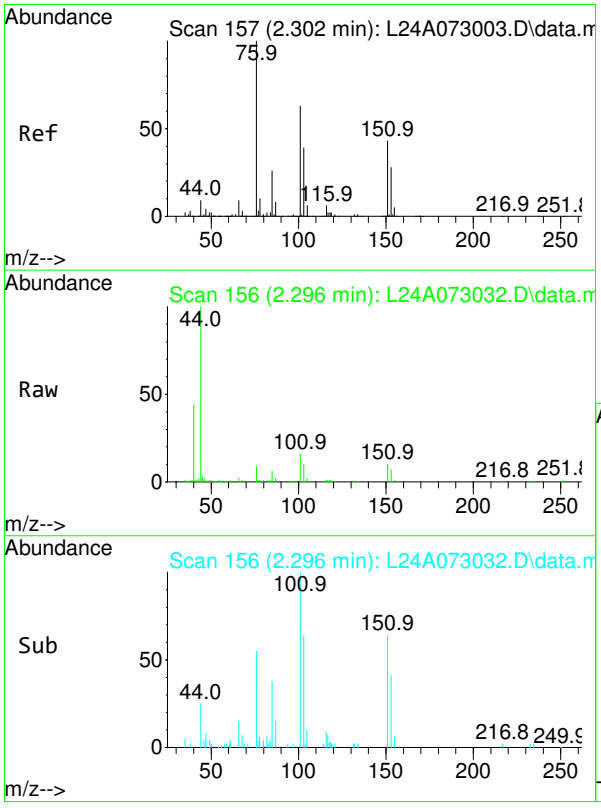


#16
FREON 113
Concen: 0.21 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:101 Resp: 7893

Ion	Ratio	Lower	Upper
101	100		
151	66.9	52.3	92.3

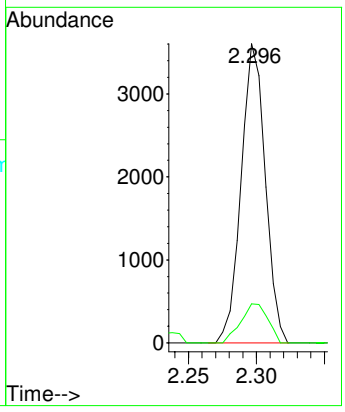


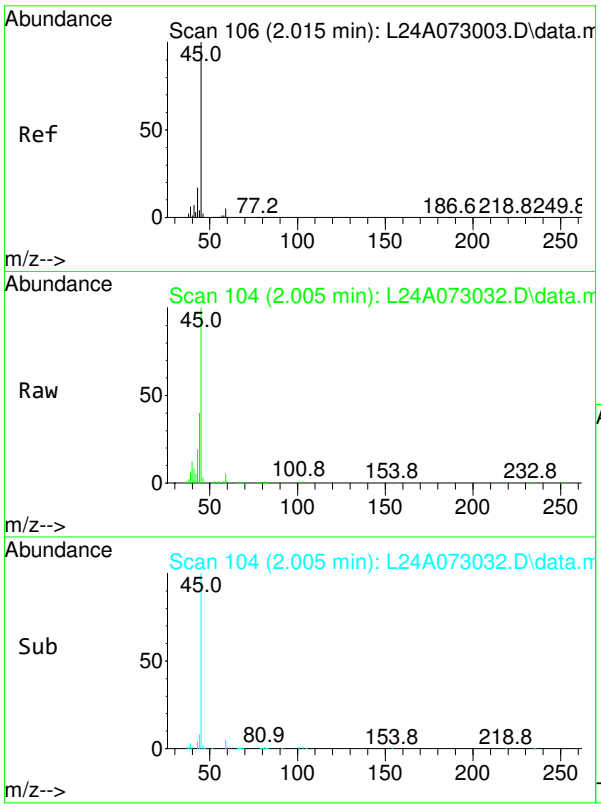


#17
CARBON DISULFIDE
Concen: 0.08 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 76 Resp: 4450

Ion	Ratio	Lower	Upper
76	100		
78	14.6	0.0	31.1

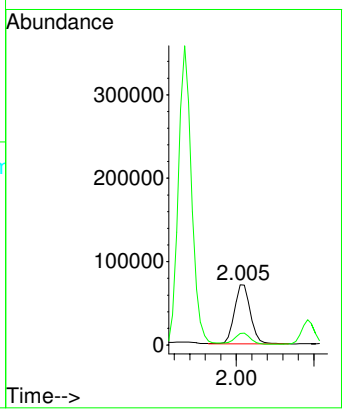


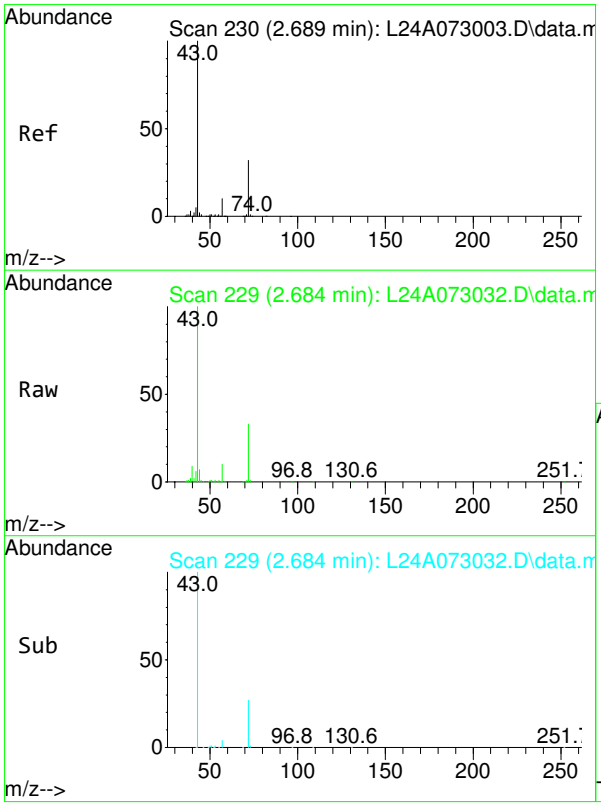


#21
IPA
Concen: 3.29 PPBV
RT: 2.005 min Scan# 104
Delta R.T. -0.008 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 45 Resp: 100072

Ion	Ratio	Lower	Upper
45	100		
43	19.0	0.0	39.3

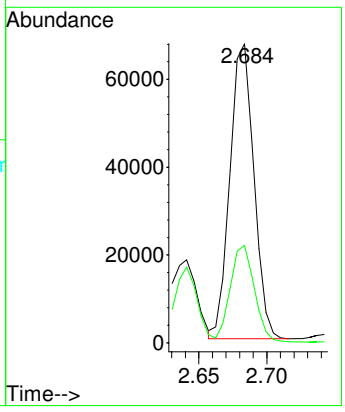


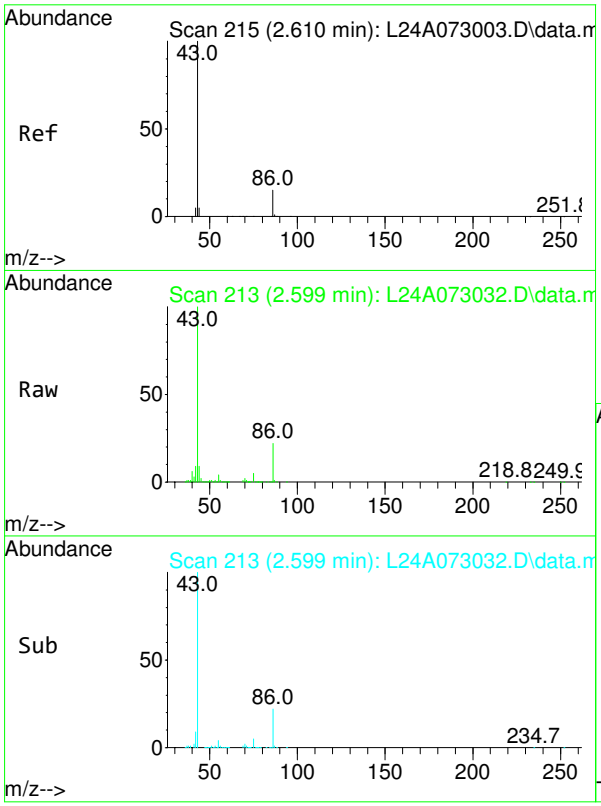


#22
2-BUTANONE(MEK)
Concen: 2.32 PPBV
RT: 2.684 min Scan# 229
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 82386

Ion	Ratio	Lower	Upper
43	100		
72	32.4	5.6	45.6

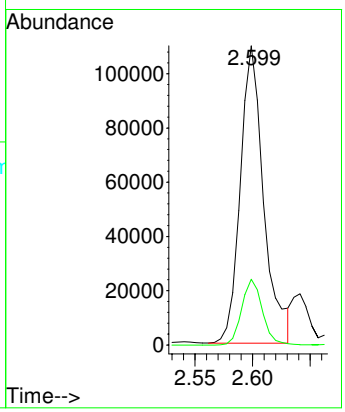


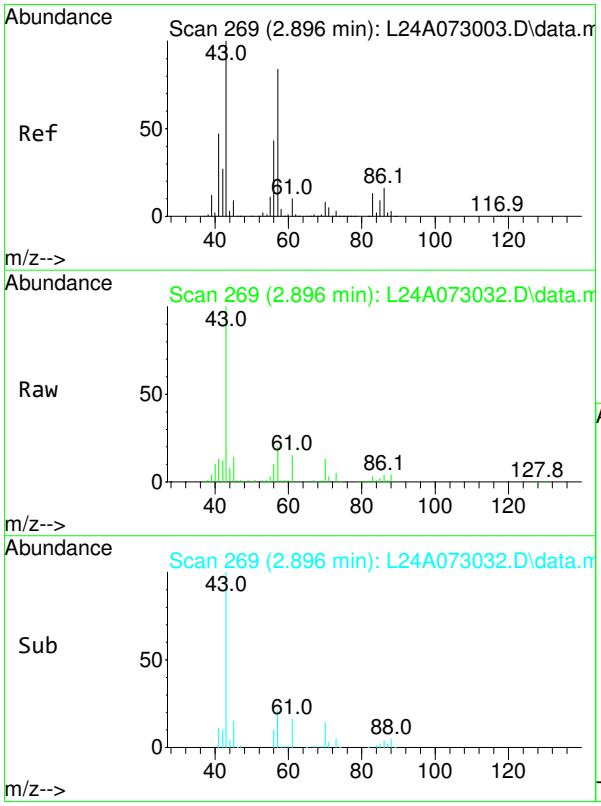


#24
VINYL ACETATE
Concen: 4.09 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 154005

Ion	Ratio	Lower	Upper
43	100		
86	19.4	0.0	19.5

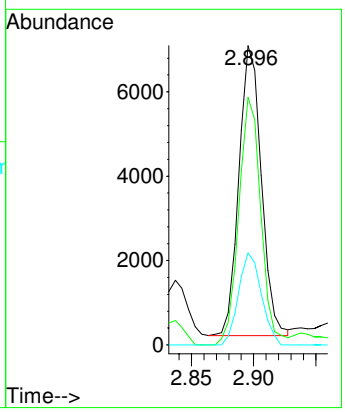


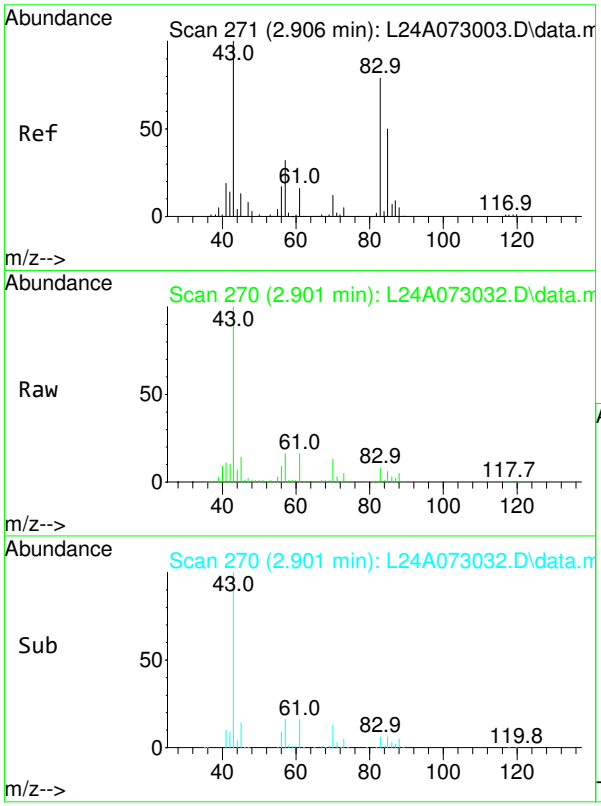


#25
HEXANE
Concen: 0.45 PPBV
RT: 2.896 min Scan# 269
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 41 Resp: 8583

Ion	Ratio	Lower	Upper
41	100		
56	84.0	52.3	92.3
86	32.3	16.1	36.1

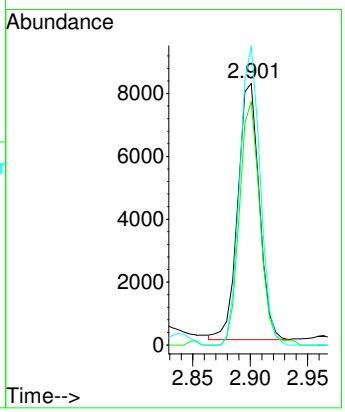


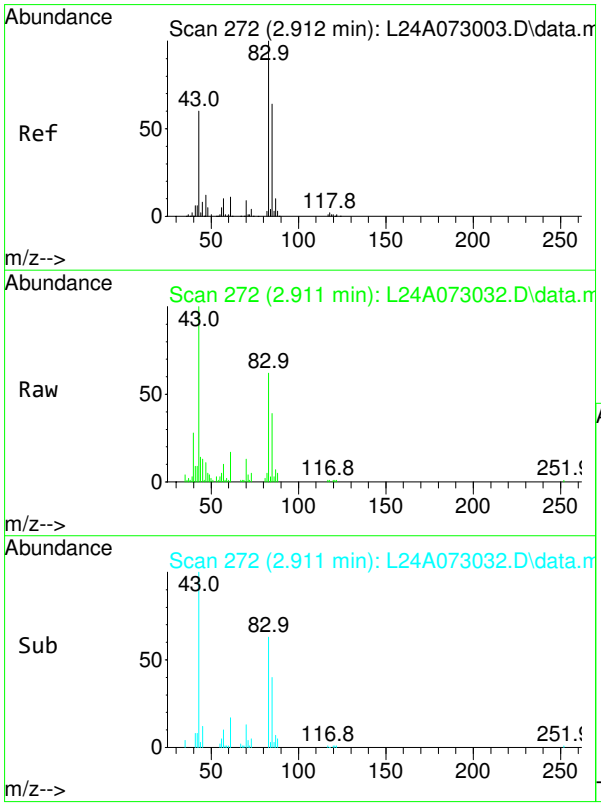


#26
ETHYL ACETATE
Concen: 1.70 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 45 Resp: 10457

Ion	Ratio	Lower	Upper
45	100		
70	90.7	68.8	108.8
61	111.3	83.3	123.3

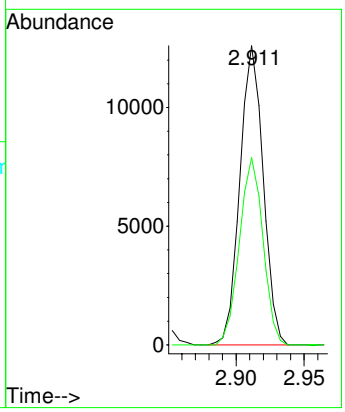


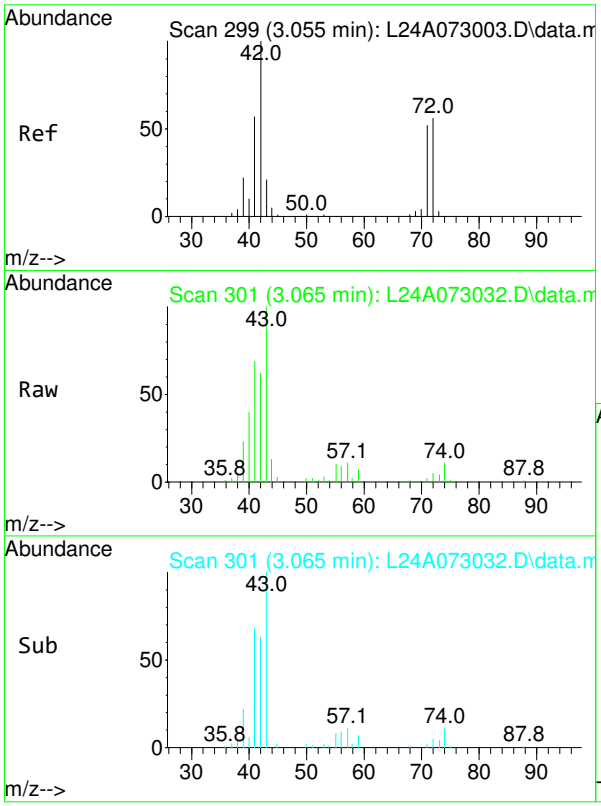


#27
CHLOROFORM
Concen: 0.41 PPBV
RT: 2.911 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 83 Resp: 15061

Ion	Ratio	Lower	Upper
83	100		
85	63.2	44.8	84.8

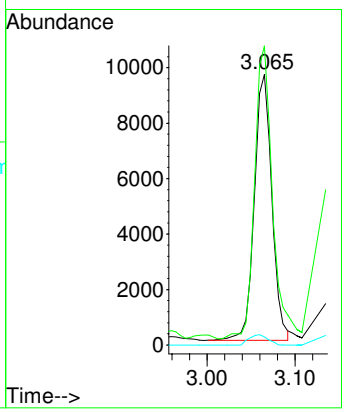


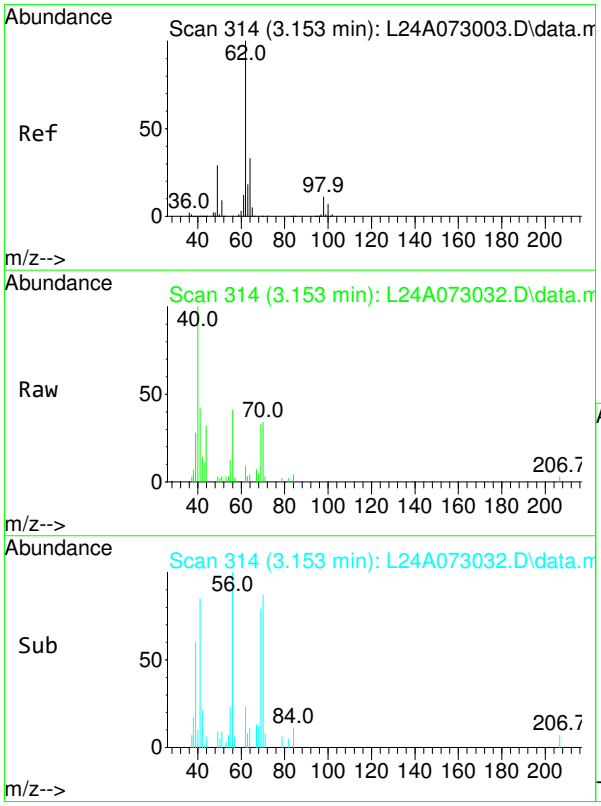


#28
TETRAHYDROFURAN
Concen: 0.56 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 42 Resp: 13220

Ion	Ratio	Lower	Upper
42	100		
41	110.2	33.5	73.5#
71	4.1	24.0	64.0#

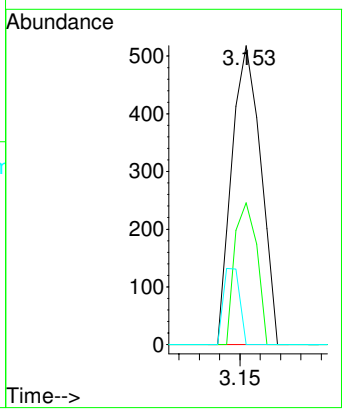


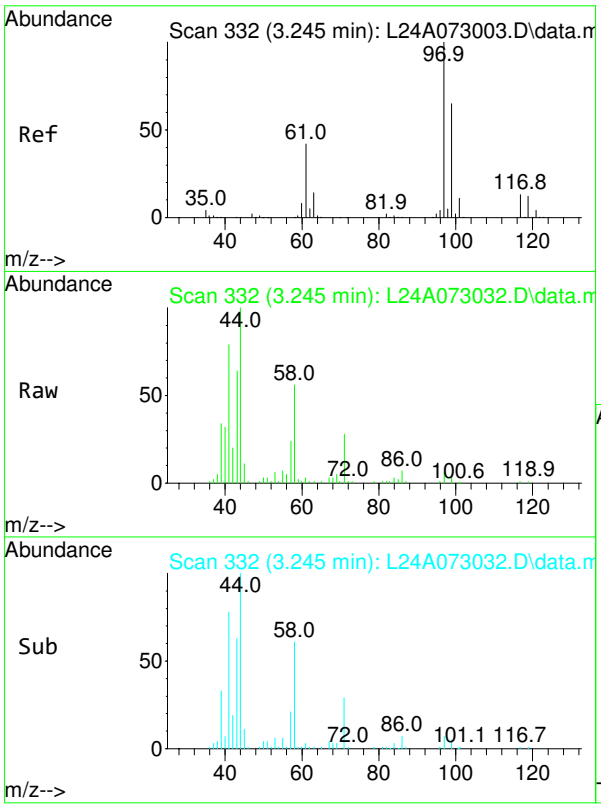


#29
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 3.153 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 62 Resp: 505

Ion	Ratio	Lower	Upper
62	100		
64	36.0	13.0	53.0
98	0.0	0.0	19.3

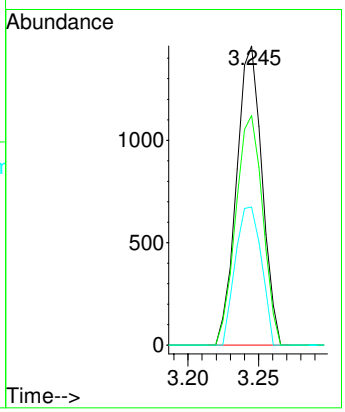


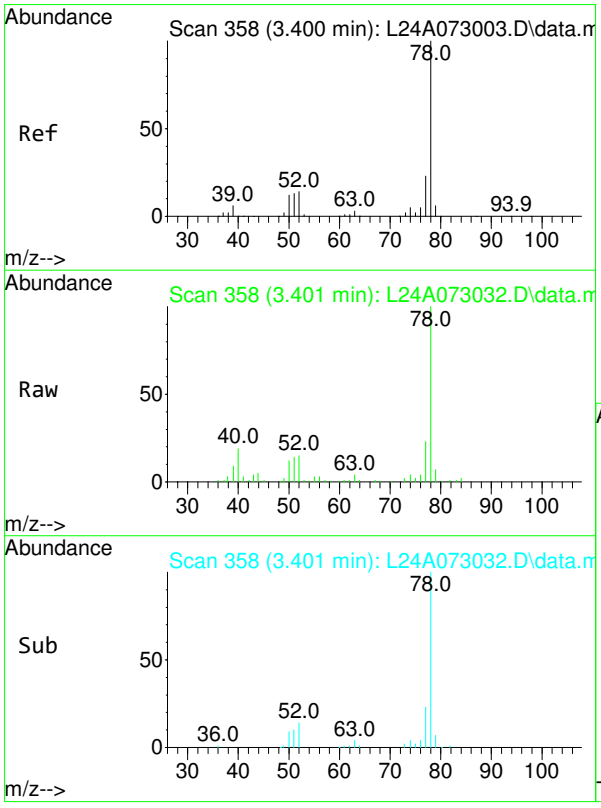


#31
1,1,1-TRICHLOROETHANE
Concen: 0.05 PPBV
RT: 3.245 min Scan# 332
Delta R.T. 0.000 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 97 Resp: 1837

Ion	Ratio	Lower	Upper
97	100		
99	80.7	45.3	85.3
61	47.2	28.1	68.1

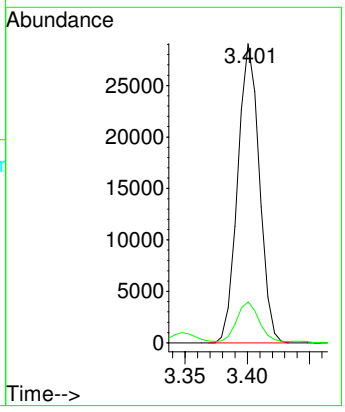


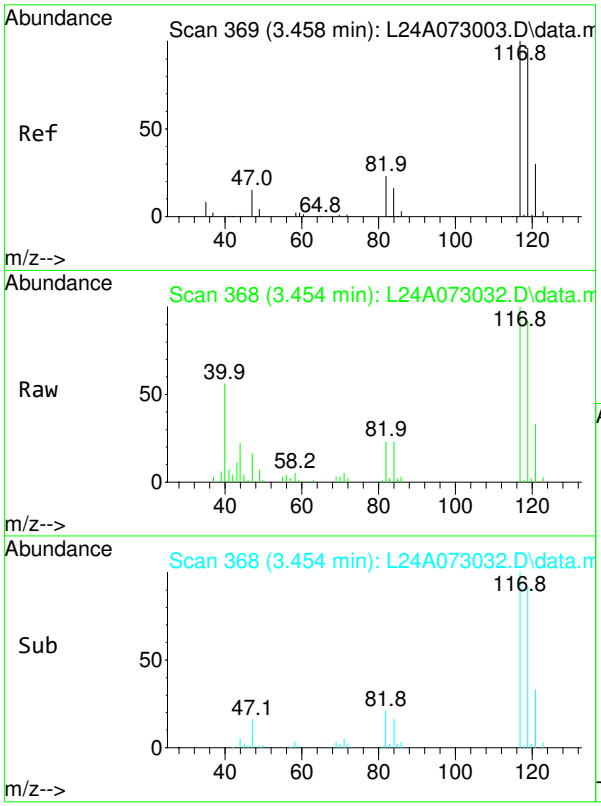


#32
BENZENE
Concen: 0.62 PPBV
RT: 3.401 min Scan# 358
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 78 Resp: 35045

Ion	Ratio	Lower	Upper
78	100		
51	13.4	0.0	37.7

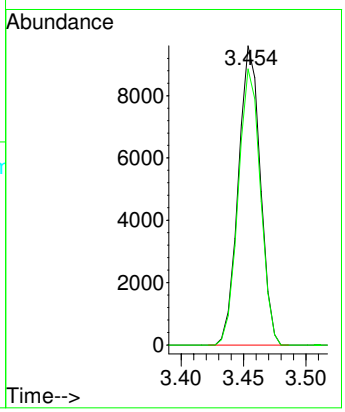


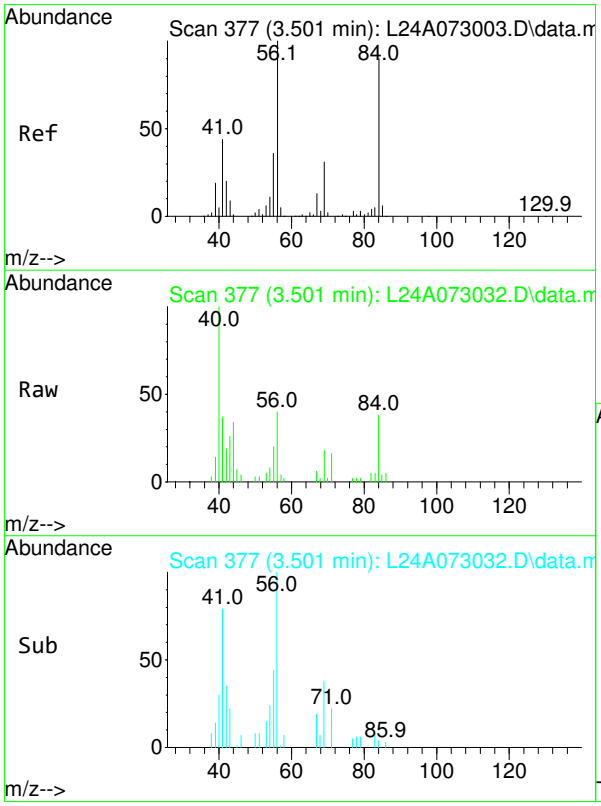


#33
CARBON TETRACHLORIDE
Concen: 0.29 PPBV
RT: 3.454 min Scan# 368
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:117 Resp: 11738

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.3	115.3

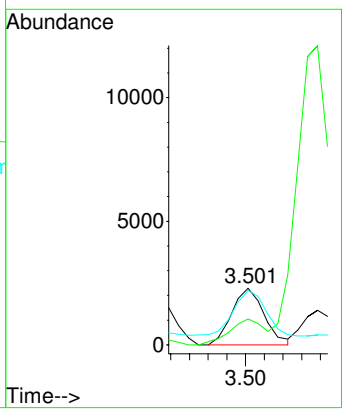


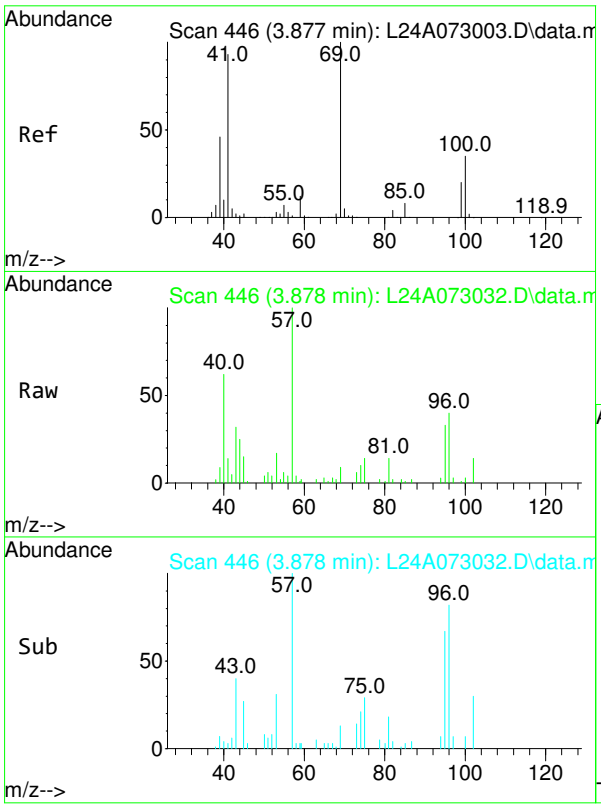


#34
CYCLOHEXANE
Concen: 0.12 PPBV
RT: 3.501 min Scan# 377
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 84 Resp: 2752

Ion	Ratio	Lower	Upper
84	100		
69	48.4	17.7	57.7
41	80.8	44.6	84.6

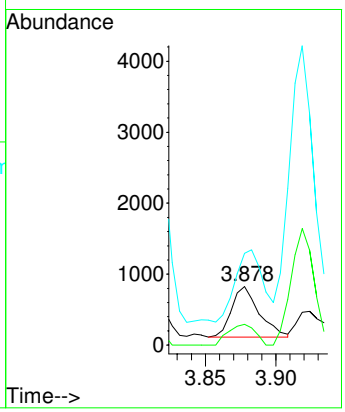


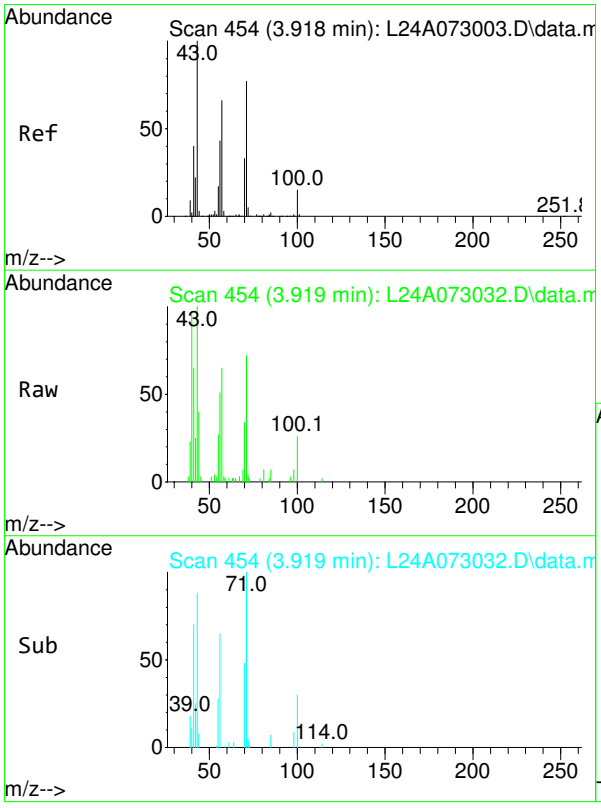


#39
METHYLMETHACRYLATE
Concen: 0.05 PPBV
RT: 3.878 min Scan# 446
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 69 Resp: 974

Ion	Ratio	Lower	Upper
69	100		
100	40.1	18.0	58.0
41	141.9	102.8	142.8

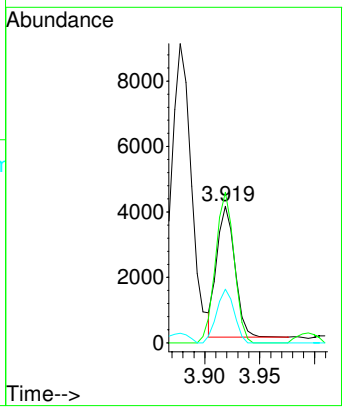


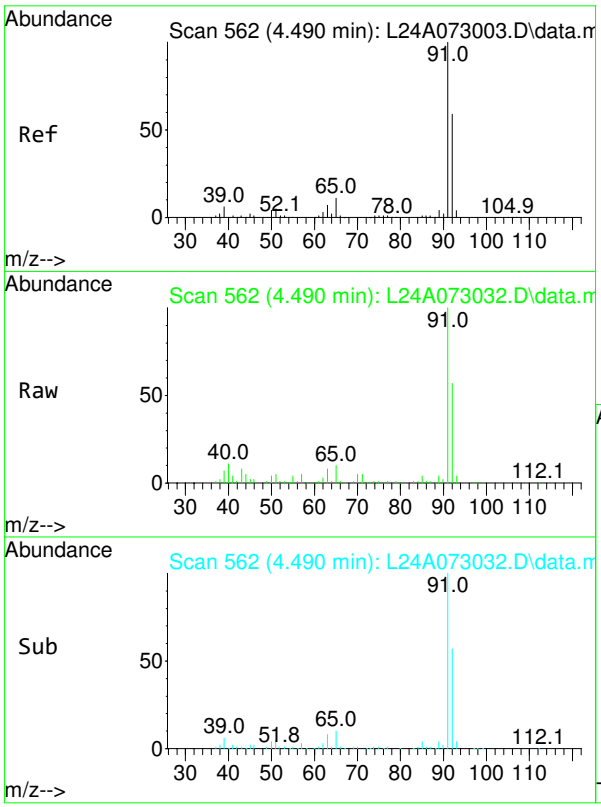


#40
HEPTANE
Concen: 0.36 PPBV
RT: 3.919 min Scan# 454
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 57 Resp: 6471

Ion	Ratio	Lower	Upper
57	100		
71	84.1	87.9	127.9#
100	28.4	4.4	44.4

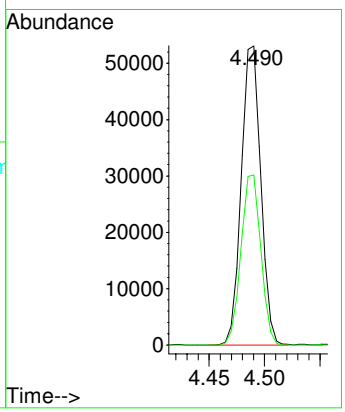


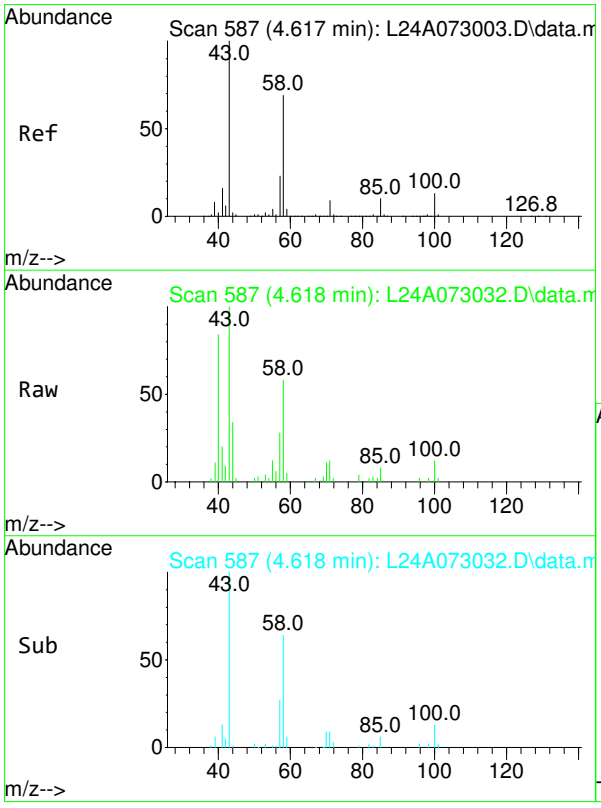


#46
TOLUENE
Concen: 0.98 PPBV
RT: 4.490 min Scan# 562
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 65207

Ion	Ratio	Lower	Upper
91	100		
92	57.8	39.1	79.1

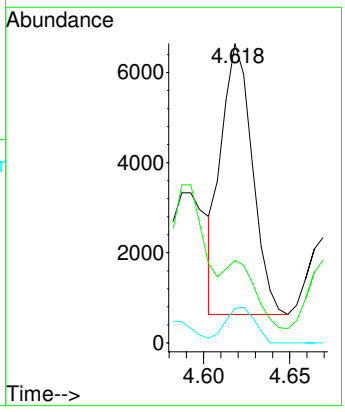


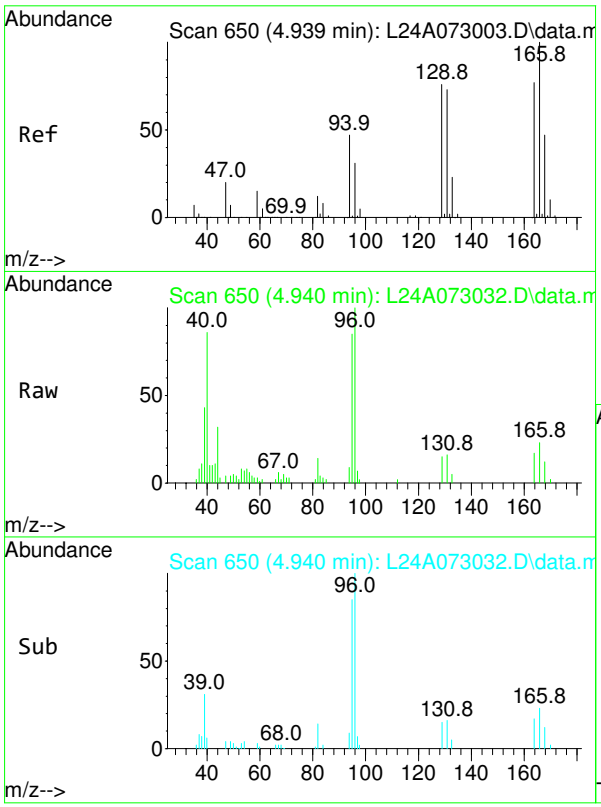


#47
2-HEXANONE(MBK)
Concen: 0.18 PPBV
RT: 4.618 min Scan# 587
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 7516

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	39.5
100	12.5	1.7	21.7

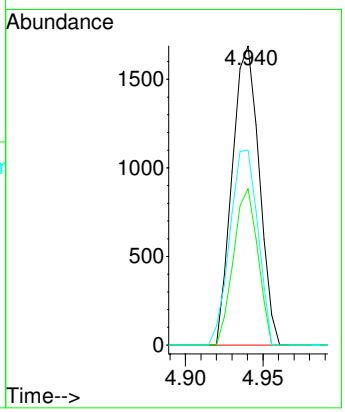


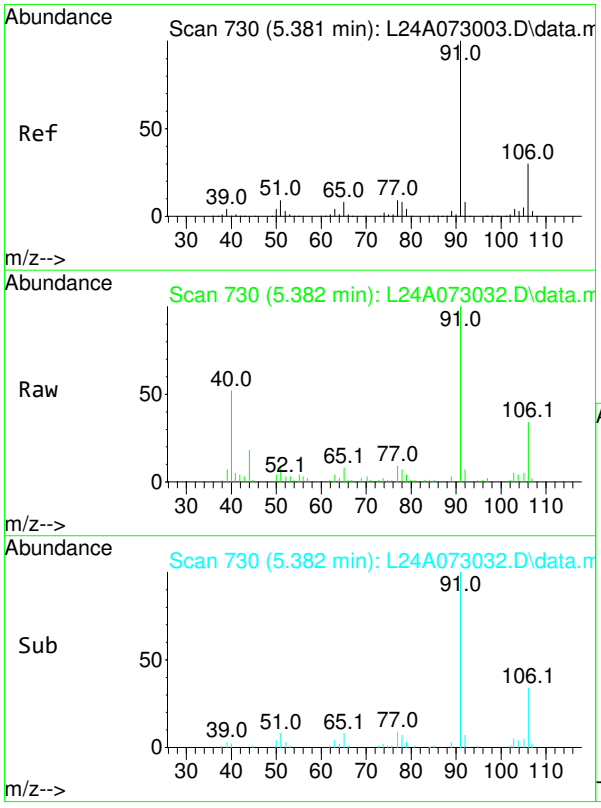


#50
TETRACHLOROETHENE
Concen: 0.07 PPBV
RT: 4.940 min Scan# 650
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:166 Resp: 2036

Ion	Ratio	Lower	Upper
166	100		
168	47.0	28.8	68.8
129	67.5	56.6	96.6

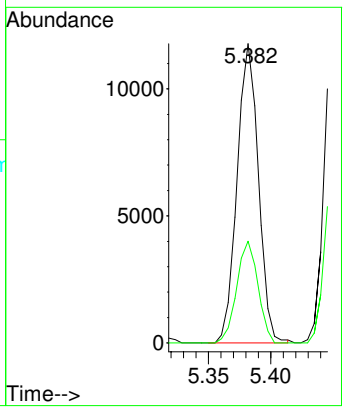


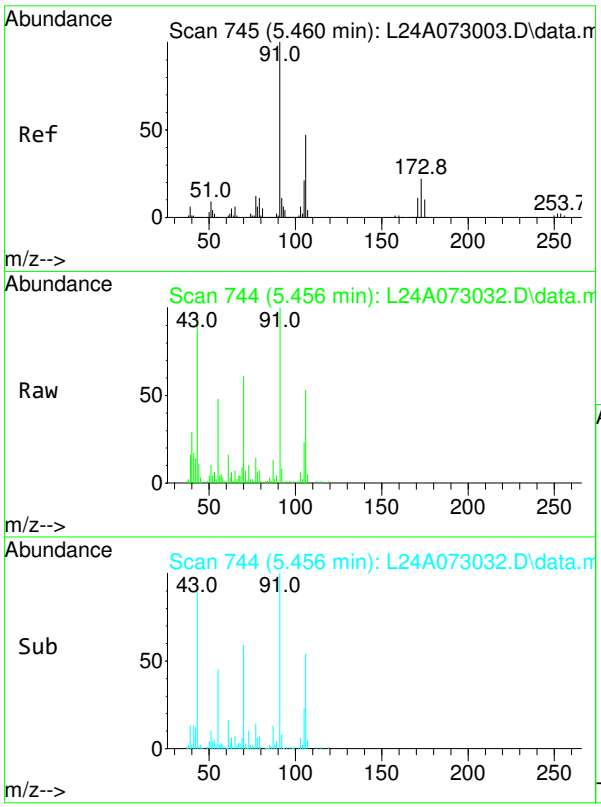


#52
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 5.382 min Scan# 730
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 13993

Ion	Ratio	Lower	Upper
91	100		
106	33.9	10.1	50.1

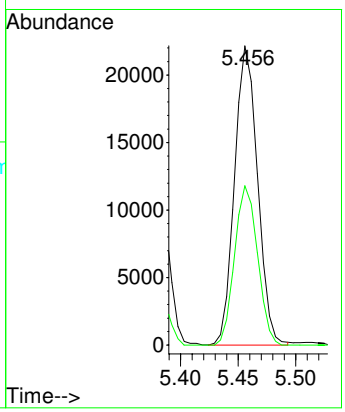


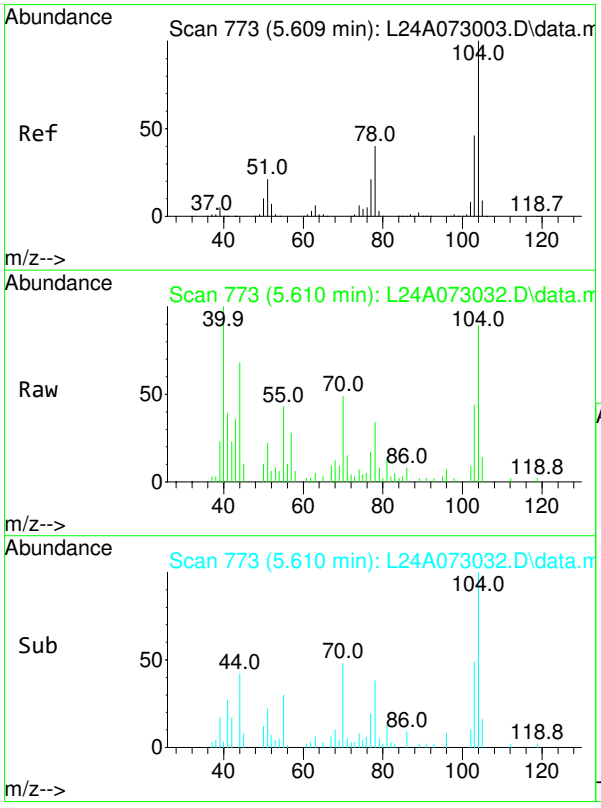


#53
M/P-XYLENE
Concen: 0.44 PPBV
RT: 5.456 min Scan# 744
Delta R.T. -0.012 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 30618

Ion	Ratio	Lower	Upper
91	100		
106	53.0	24.9	64.9

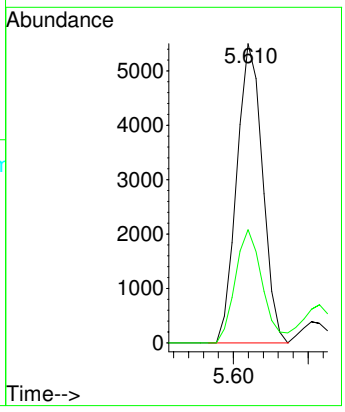


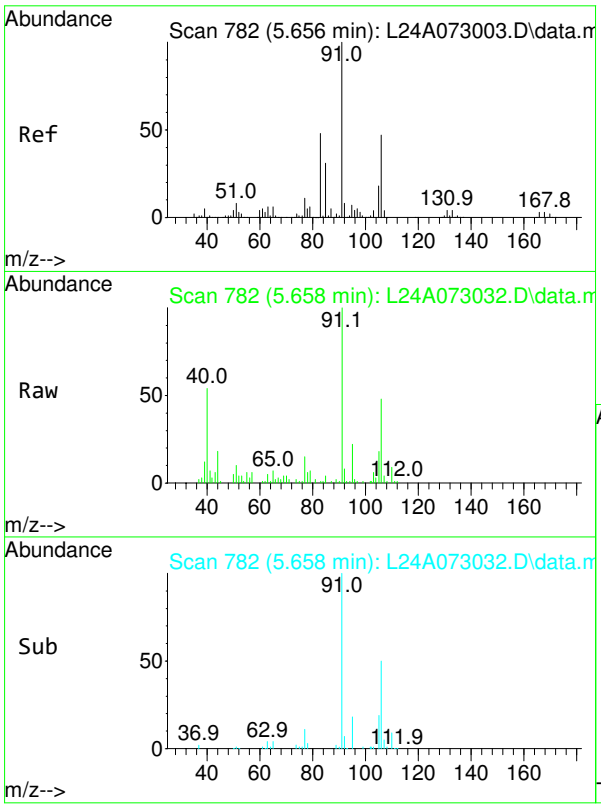


#55
STYRENE
Concen: 0.14 PPBV
RT: 5.610 min Scan# 773
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:104 Resp: 6557

Ion	Ratio	Lower	Upper
104	100		
78	40.2	24.7	64.7

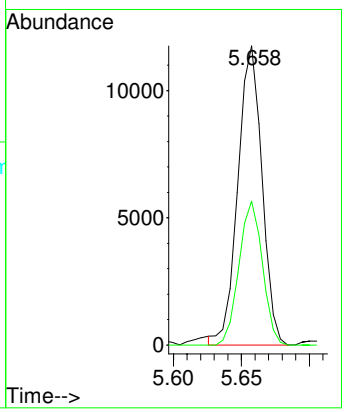


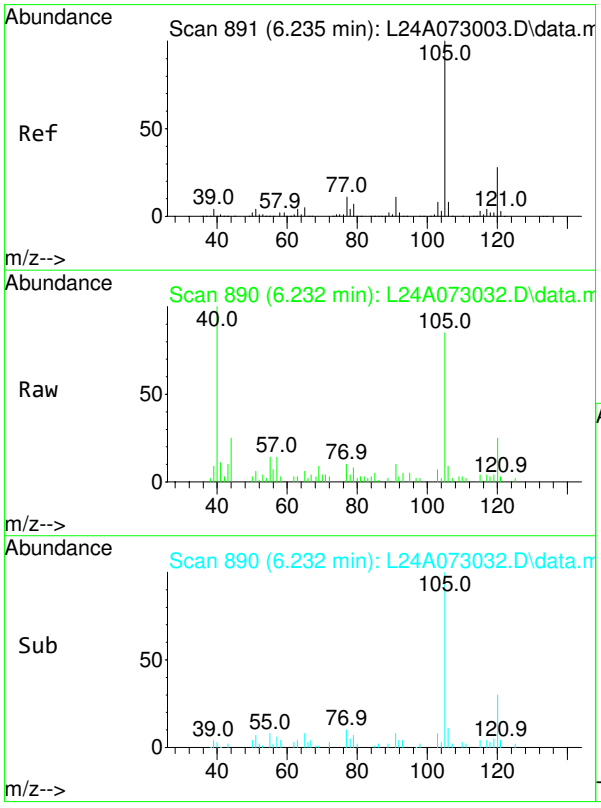


#56
O-XYLENE
Concen: 0.21 PPBV
RT: 5.658 min Scan# 782
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 14500

Ion	Ratio	Lower	Upper
91	100		
106	46.9	25.4	65.4

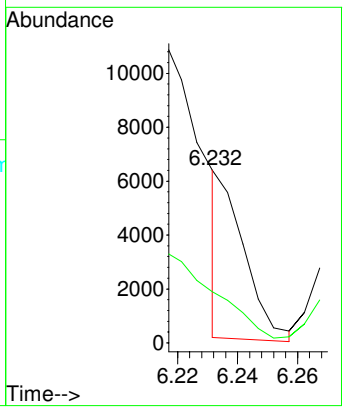


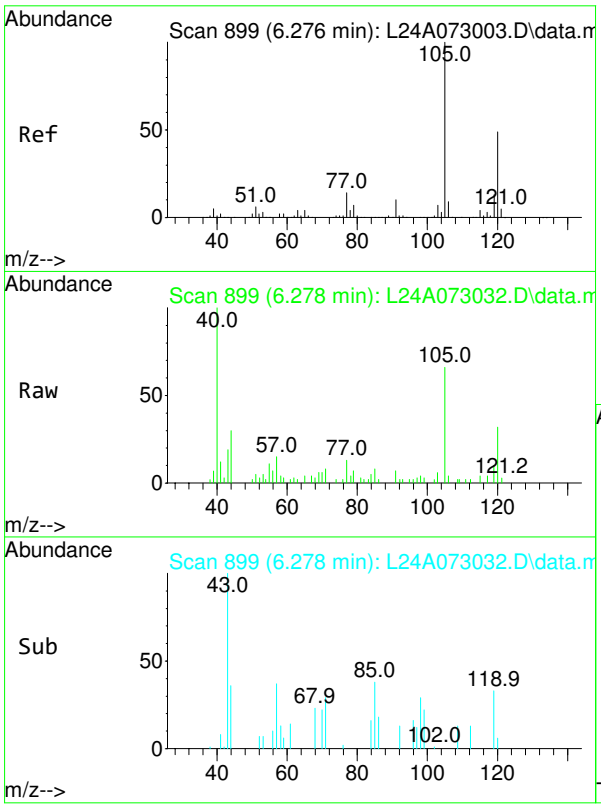


#59
4-ETHYLTOLUENE
Concen: 0.04 PPBV m
RT: 6.232 min Scan# 890
Delta R.T. -0.009 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:105 Resp: 3450

Ion	Ratio	Lower	Upper
105	100		
120	165.0	8.8	48.8#

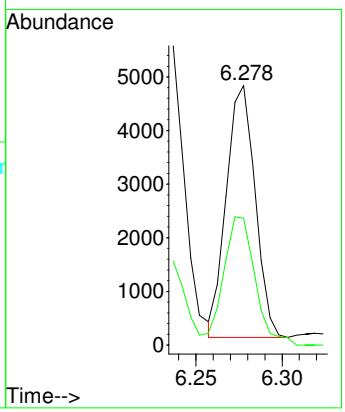


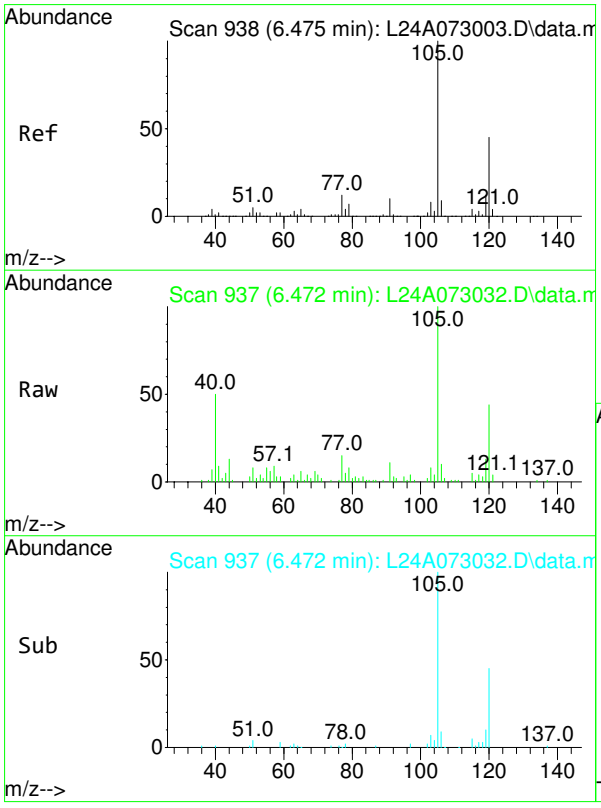


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.07 PPBV
RT: 6.278 min Scan# 899
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:105 Resp: 5466

Ion	Ratio	Lower	Upper
105	100		
120	55.9	26.9	66.9

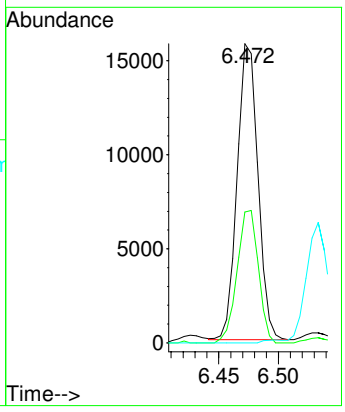


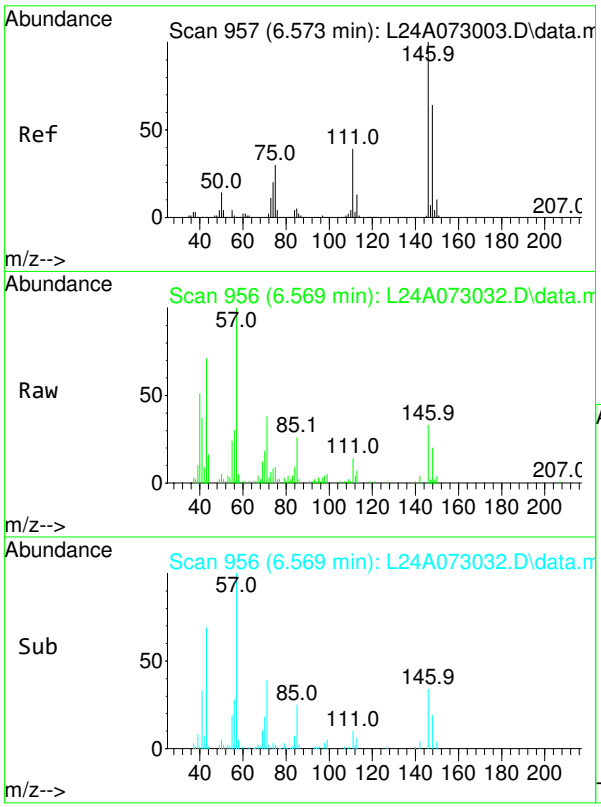


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.26 PPBV
RT: 6.472 min Scan# 937
Delta R.T. -0.011 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:105 Resp: 18930

Ion	Ratio	Lower	Upper
105	100		
120	45.7	24.0	64.0
207	0.0	0.0	20.0

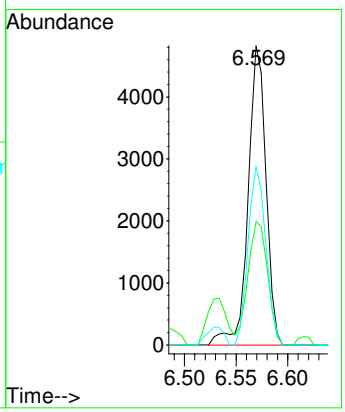


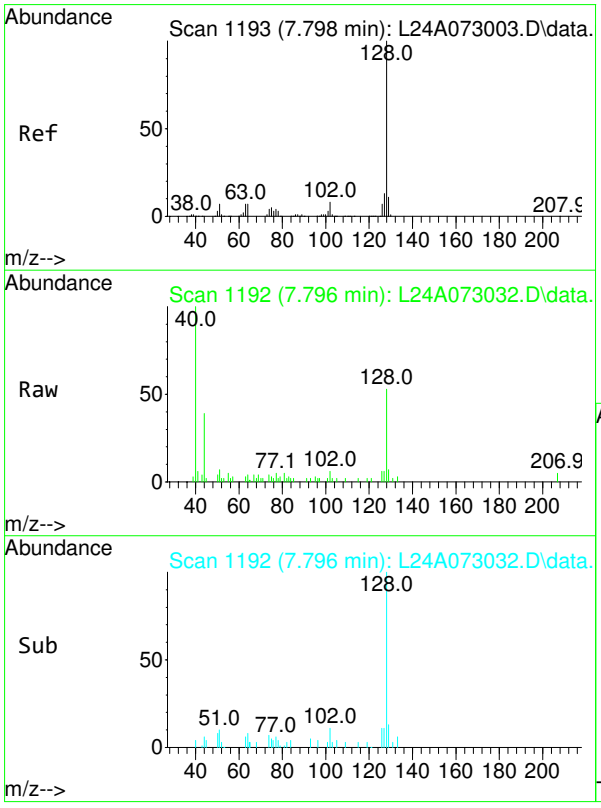


#64
1,4-DICHLOROBENZENE
Concen: 0.14 PPBV
RT: 6.569 min Scan# 956
Delta R.T. -0.008 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:146 Resp: 5784

Ion	Ratio	Lower	Upper
146	100		
111	45.3	20.5	60.5
148	59.7	44.9	84.9

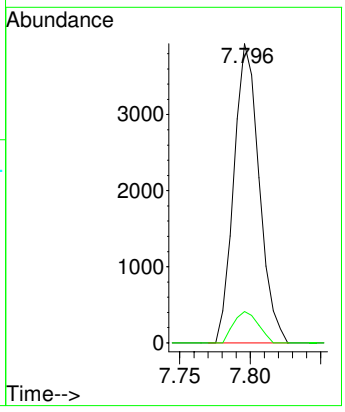


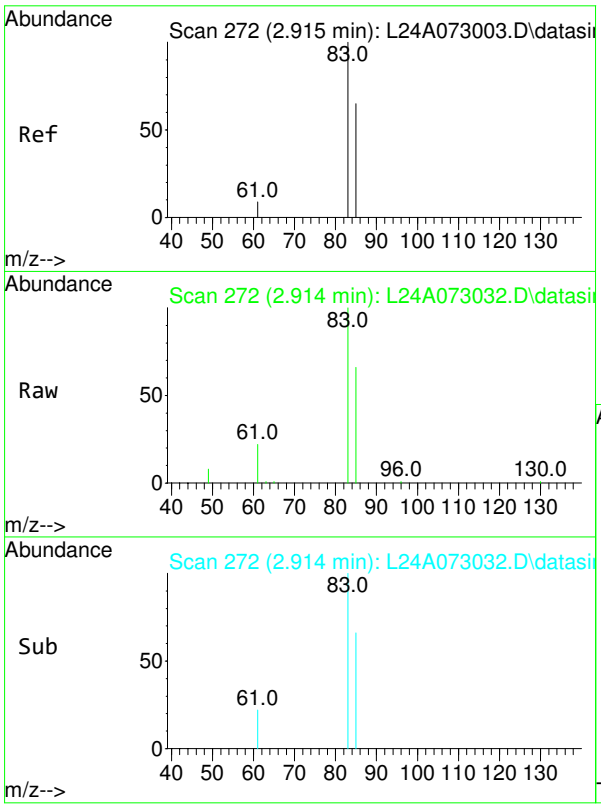


#67
NAPHTHALENE
Concen: 0.07 PPBV
RT: 7.796 min Scan# 1192
Delta R.T. -0.007 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:128 Resp: 4910

Ion	Ratio	Lower	Upper
128	100		
102	10.2	0.0	29.2

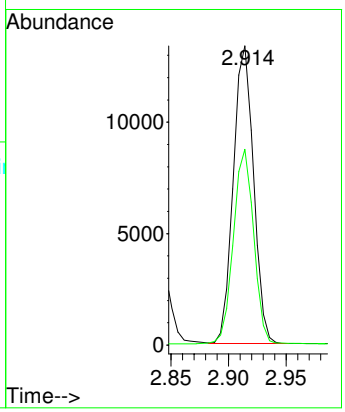


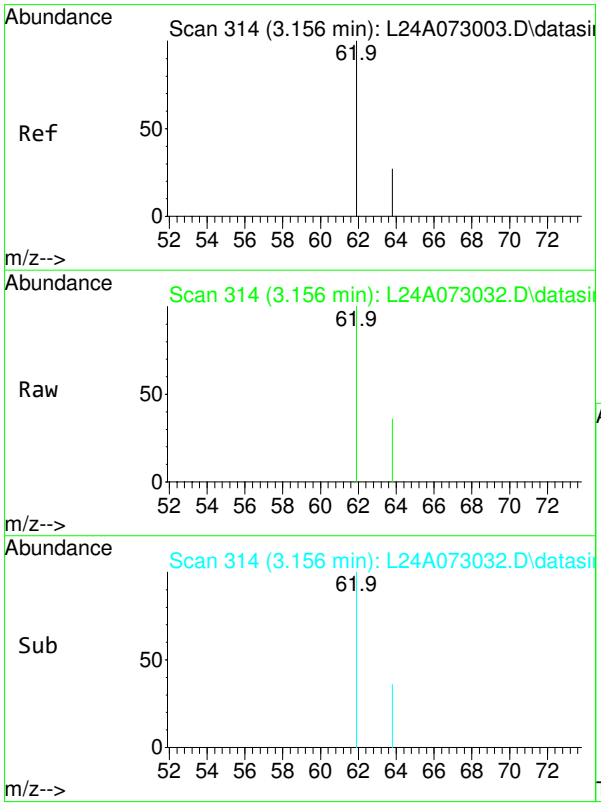


#75
CHLOROFORM (SIM)
Concen: 0.40 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 83 Resp: 16220

Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.0	85.0

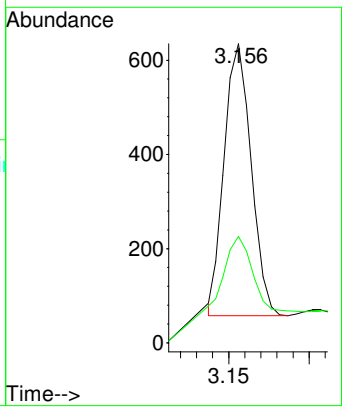


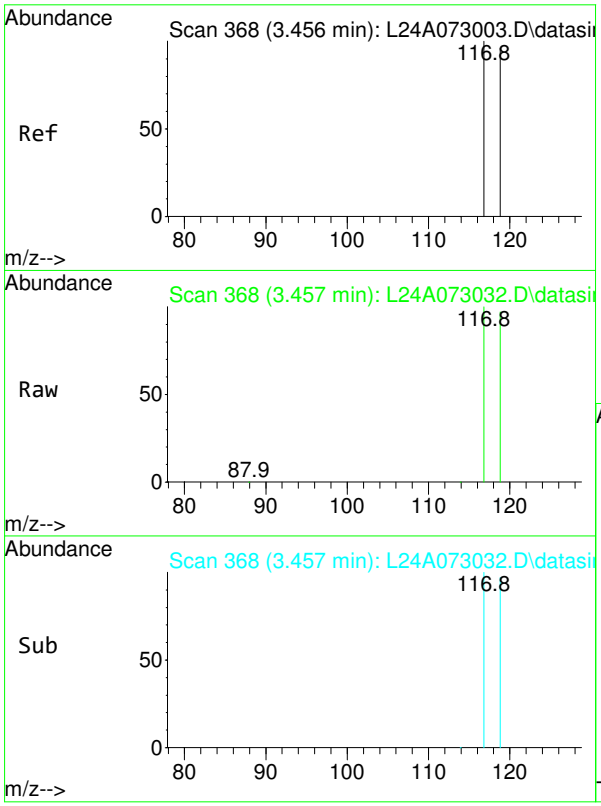


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.03 PPBV
RT: 3.156 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 62 Resp: 673

Ion	Ratio	Lower	Upper
62	100		
64	27.2	7.0	47.0

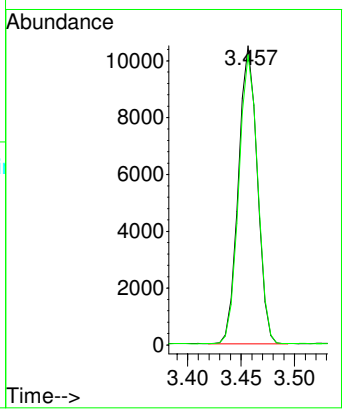




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.29 PPBV
RT: 3.457 min Scan# 368
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:117 Resp: 12821

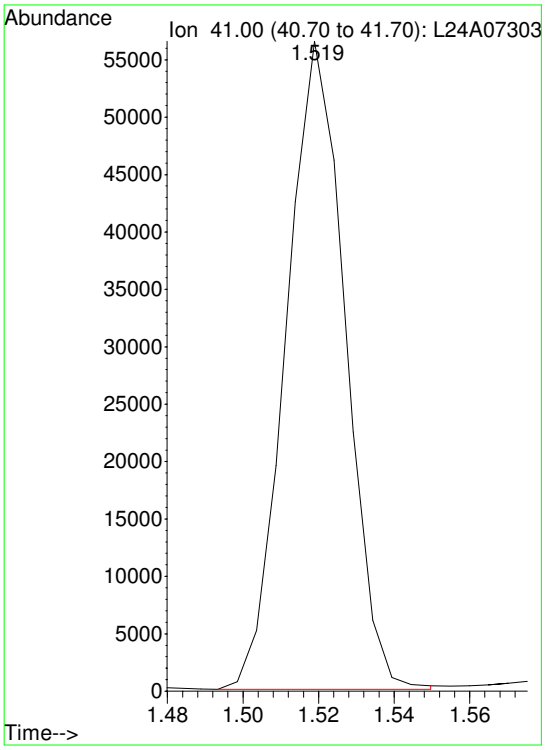
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

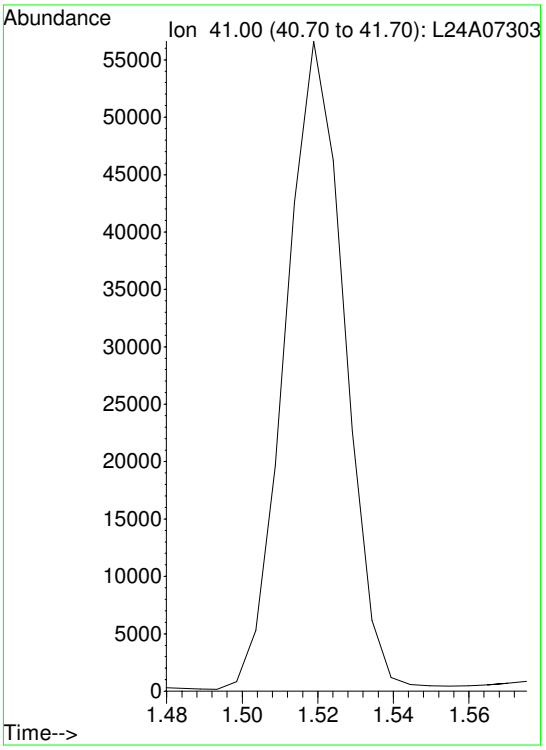
RT : 1.52
Area : 61502
Amount: 5.86083

Manual Int. Results

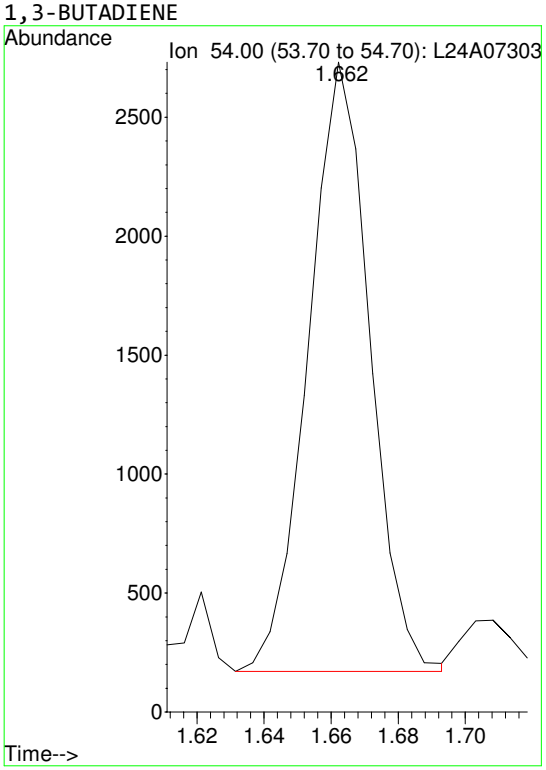
Fri Mar 15 11:14:38 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

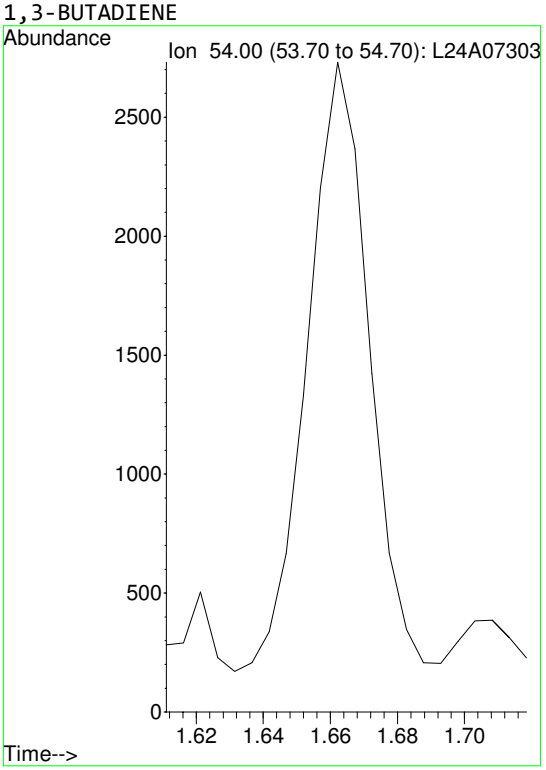
RT : 1.66
Area : 3265
Amount: 0.230058

Manual Int. Results

Fri Mar 15 11:14:44 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

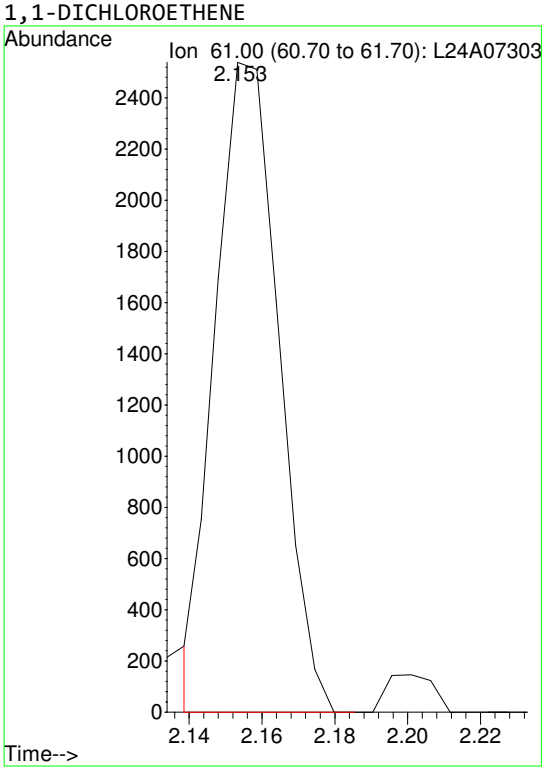
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

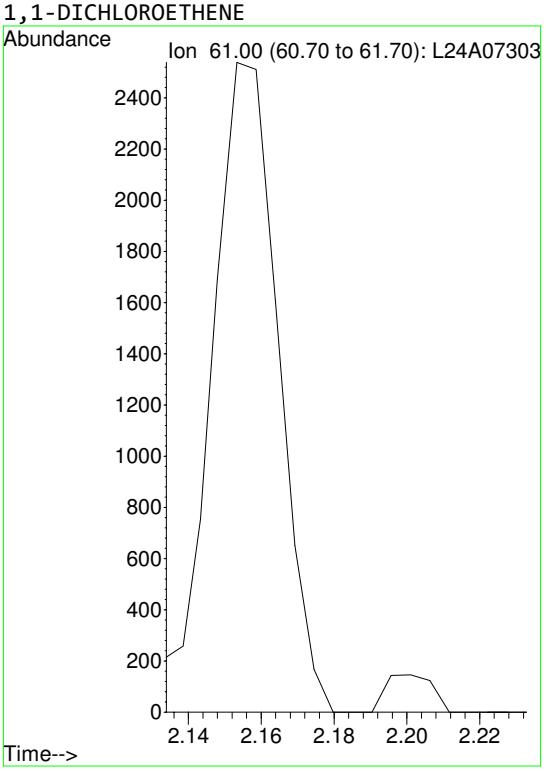
RT : 2.15
Area : 3078
Amount: 0.106046

Manual Int. Results

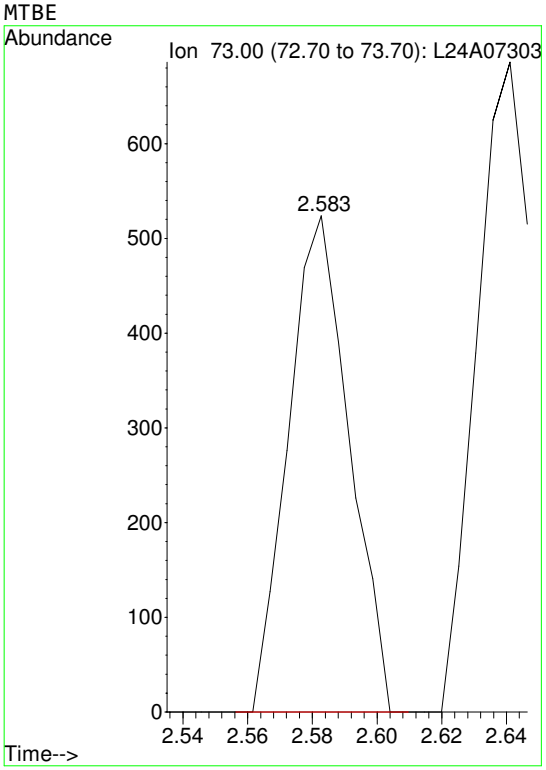
Fri Mar 15 11:14:57 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
MTBE



Original Int. Results

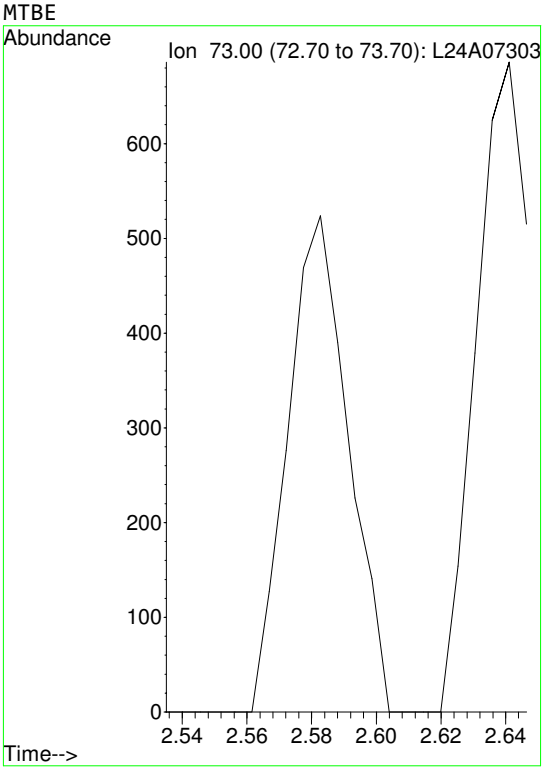
RT : 2.58
Area : 685
Amount: 0.012484

Manual Int. Results

Fri Mar 15 11:15:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

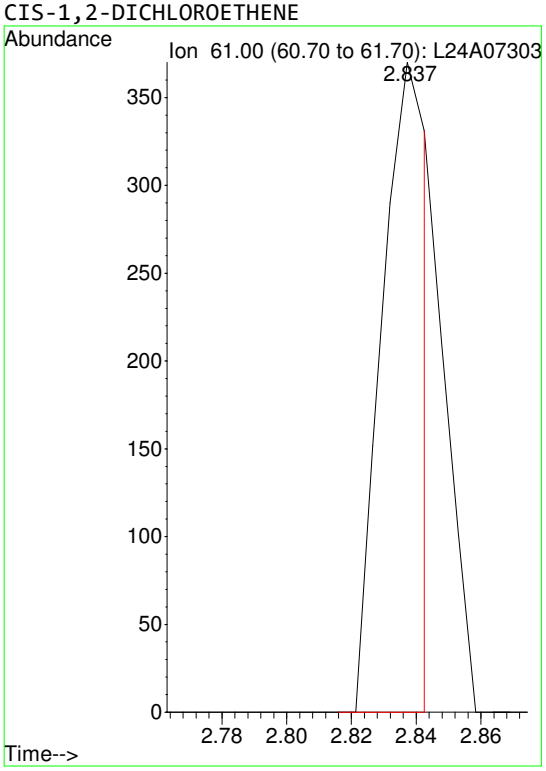
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

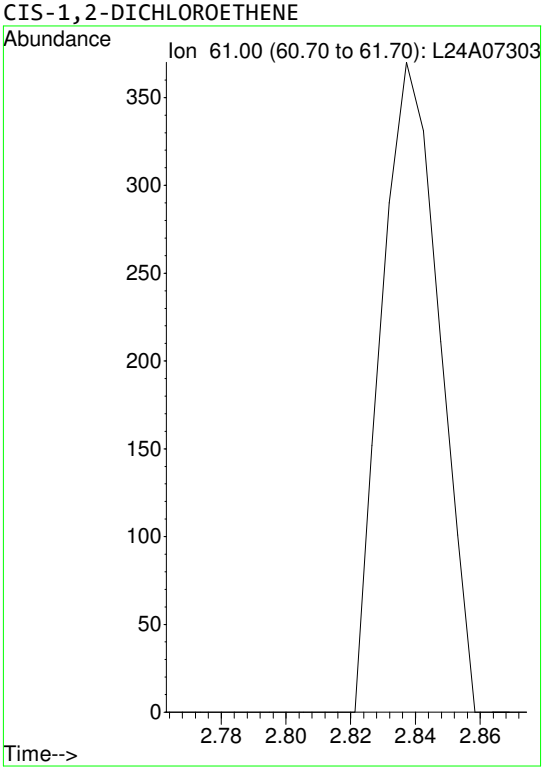
RT : 2.84
Area : 363
Amount: 0.0155092

Manual Int. Results

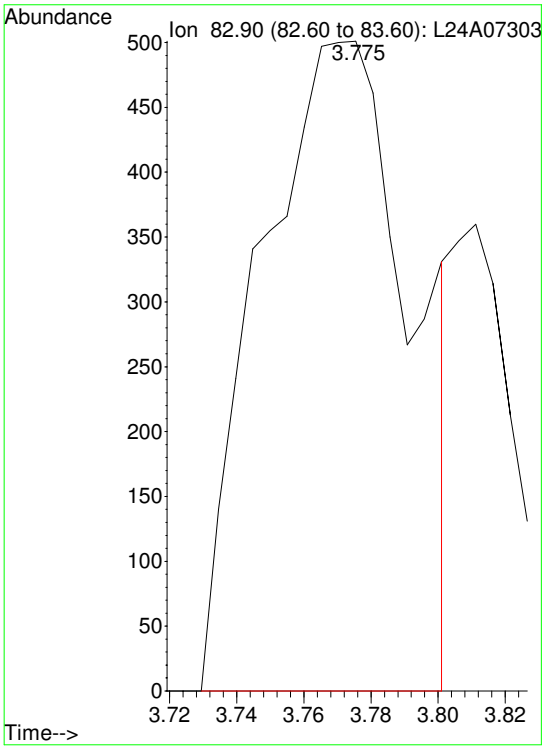
Fri Mar 15 11:15:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,2-DICHLOROETHENE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

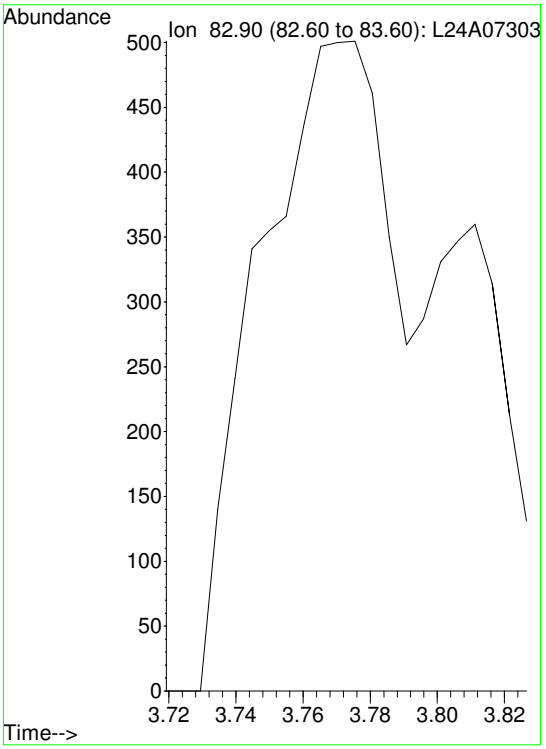
RT : 3.78
Area : 1555
Amount: 0.035678

Manual Int. Results

Fri Mar 15 11:15:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

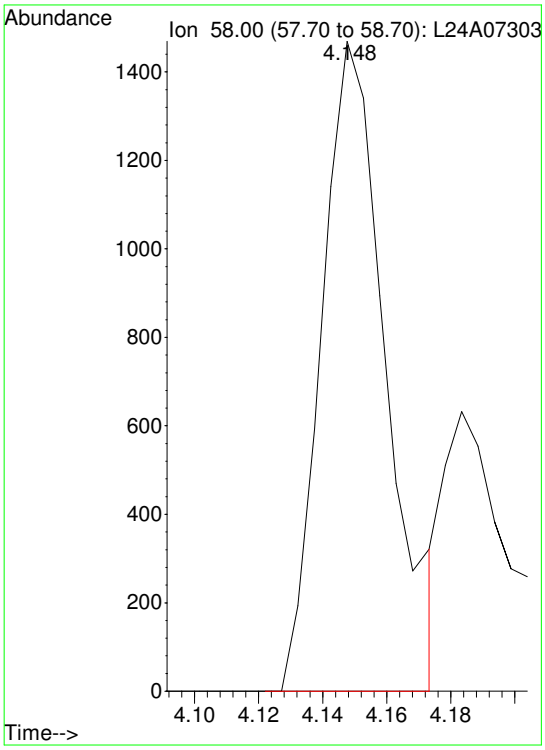
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

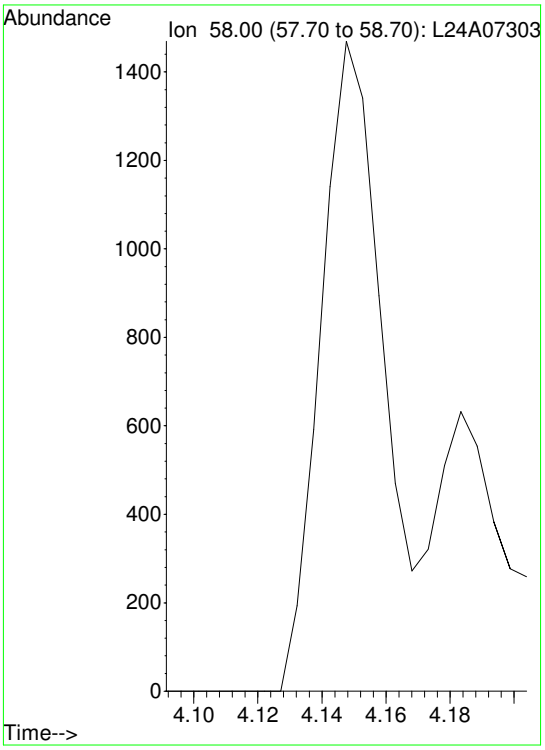
RT : 4.15
Area : 2054
Amount: 0.108665

Manual Int. Results

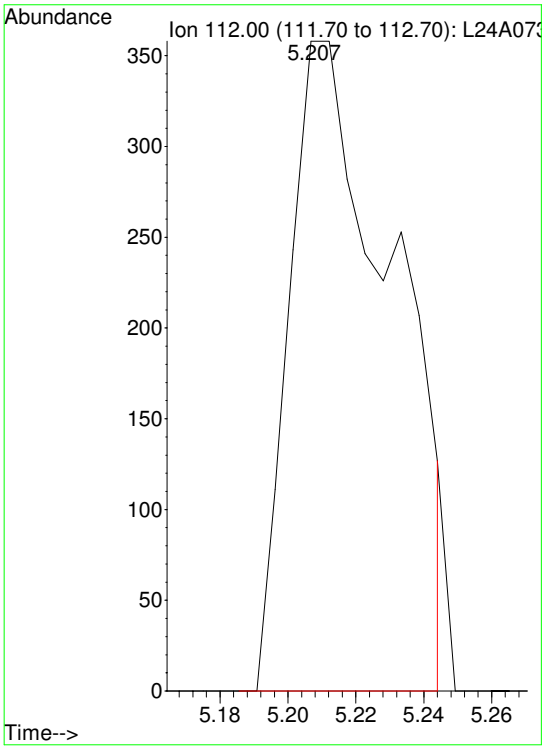
Fri Mar 15 11:16:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
CHLOROBENZENE



Original Int. Results

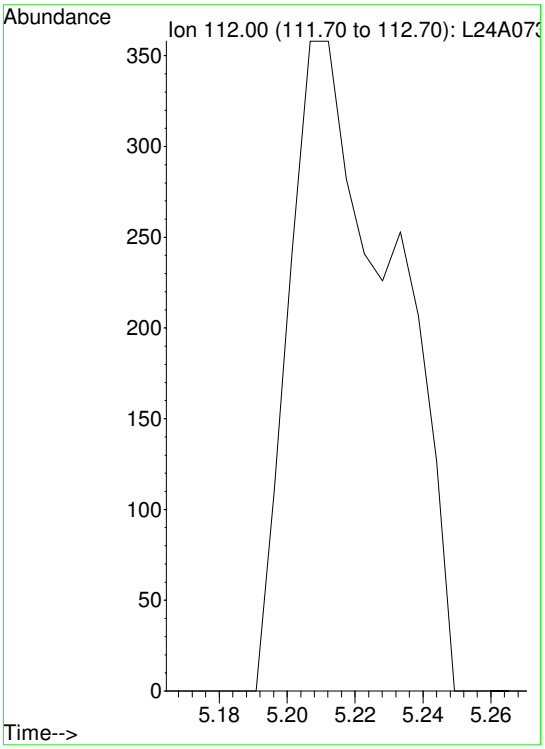
RT : 5.21
Area : 766
Amount: 0.0149173

Manual Int. Results

Fri Mar 15 11:16:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

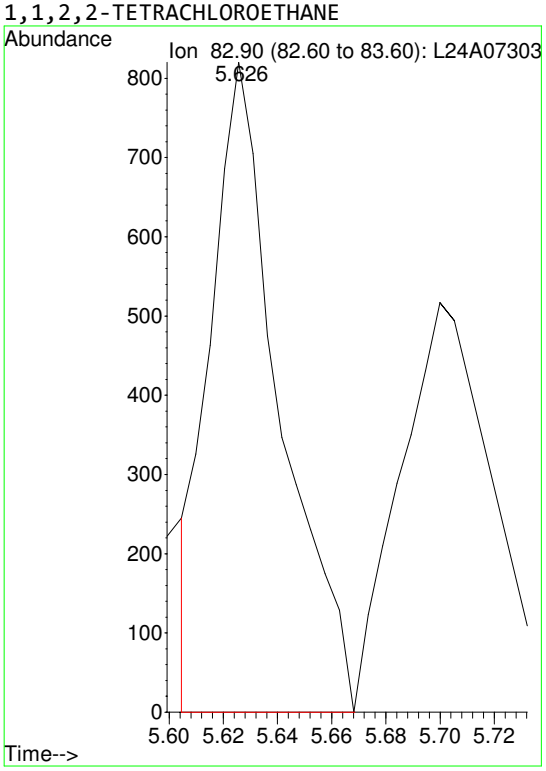
Manual Integration
CHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

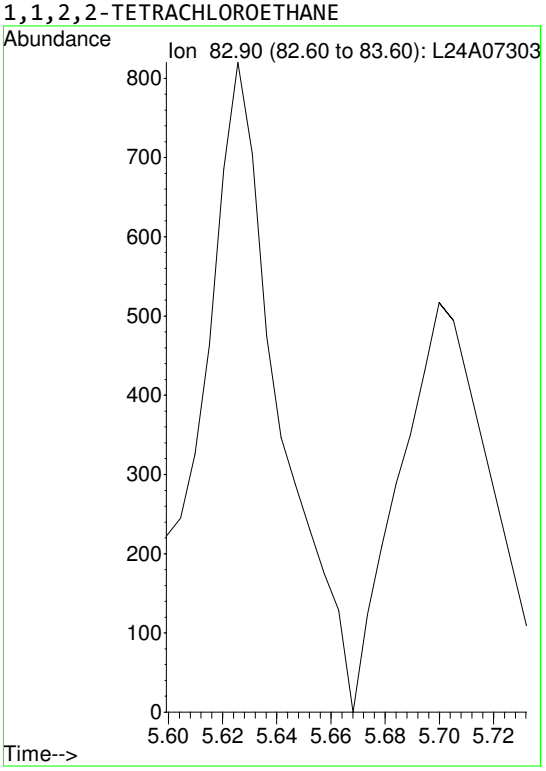
RT : 5.63
Area : 1478
Amount: 0.0303889

Manual Int. Results

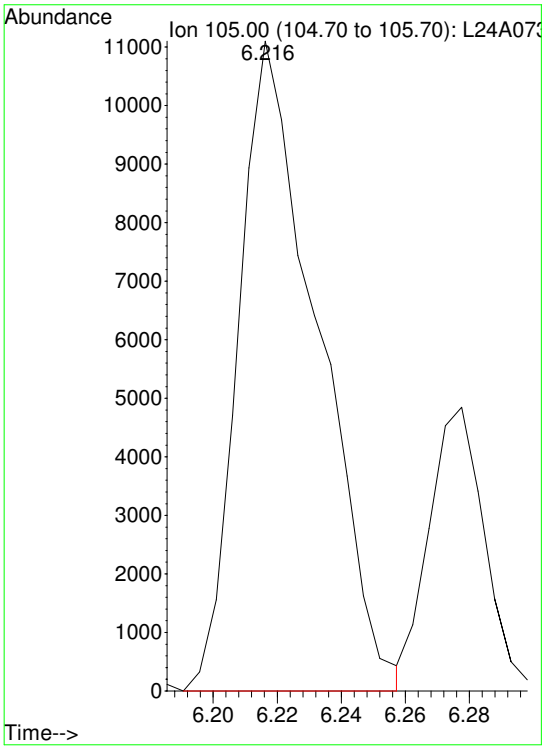
Fri Mar 15 11:16:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

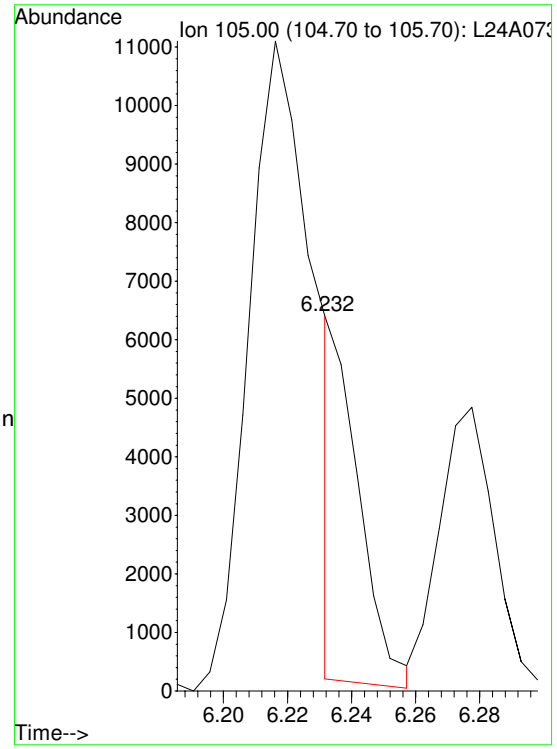
RT : 6.22
Area : 19065
Amount: 0.214948

Manual Int. Results

Fri Mar 15 11:16:19 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 3450
Amount: 0.038897

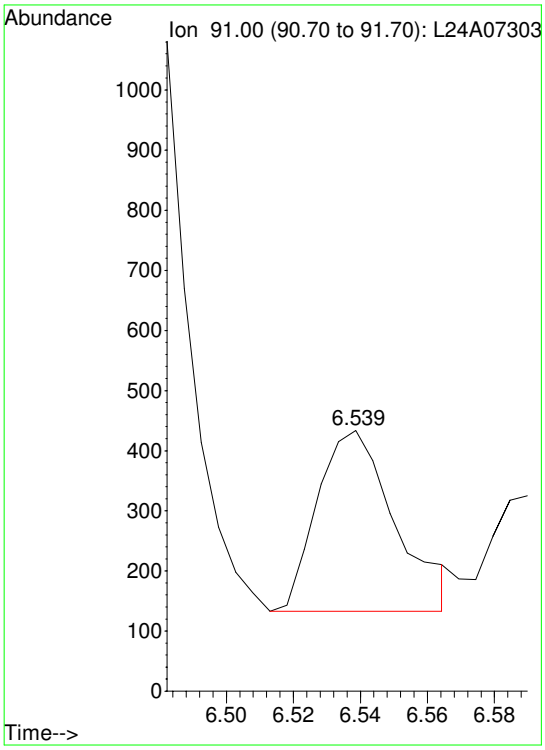
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BENZYL CHLORIDE



Original Int. Results

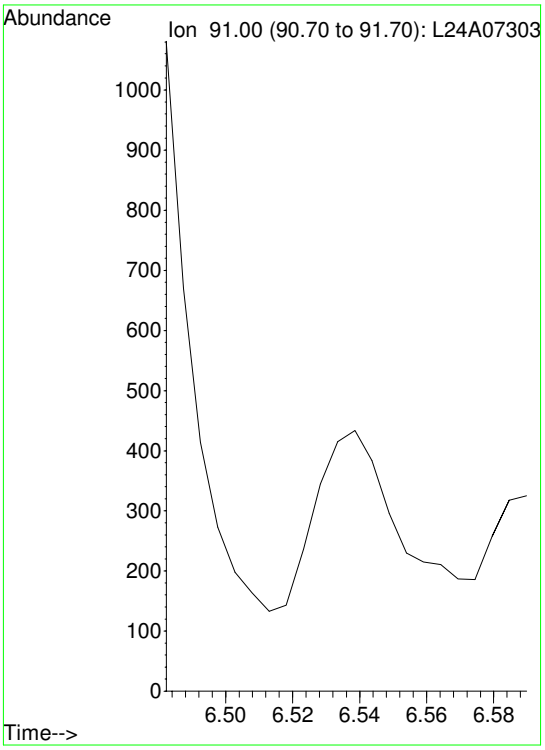
RT : 6.54
Area : 485
Amount: 0.0104601

Manual Int. Results

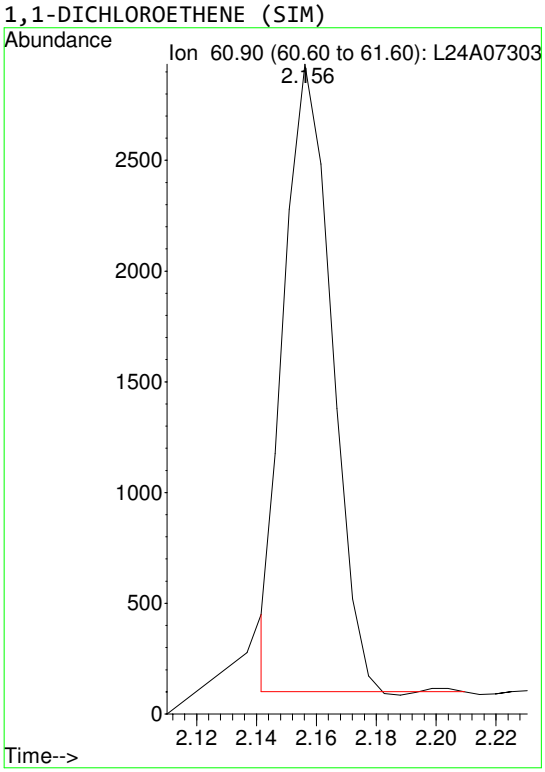
Fri Mar 15 11:16:23 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

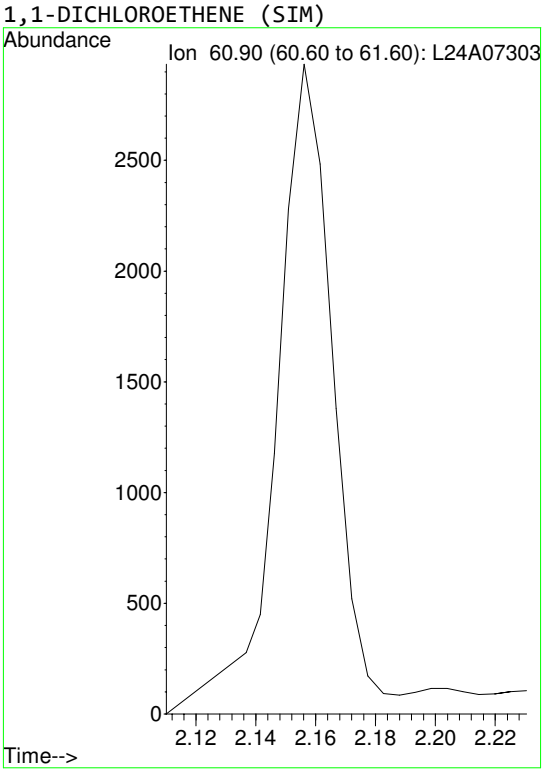
RT : 2.16
Area : 3200
Amount: 0.100152

Manual Int. Results

Fri Mar 15 11:16:30 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

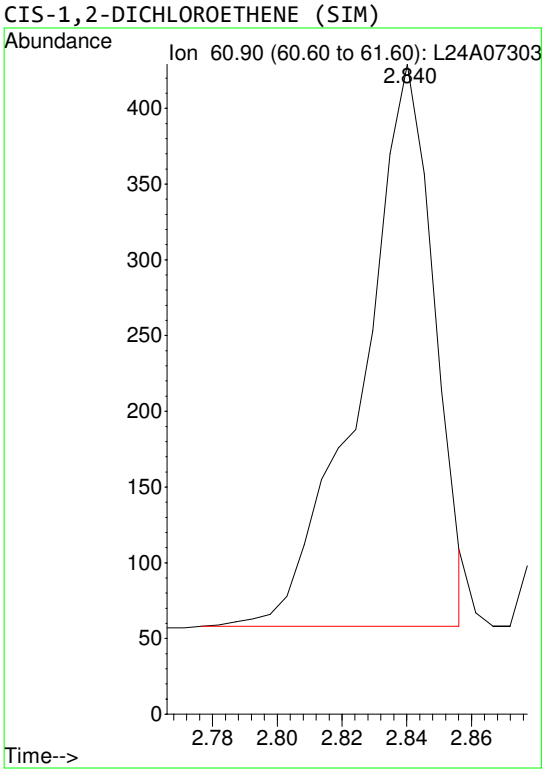
Manual Integration
1,1-DICHLOROETHENE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CIS-1,2-DICHLOROETHENE (SIM)



Original Int. Results

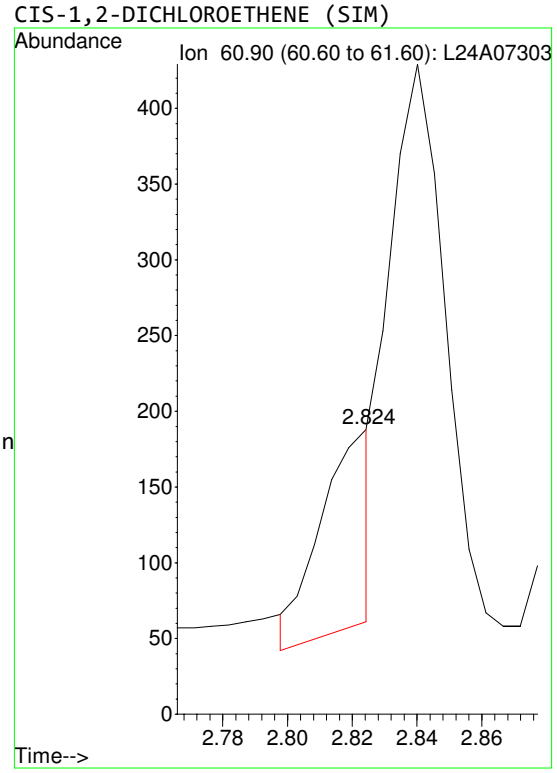
RT : 2.84
Area : 579
Amount: 0.0221914

Manual Int. Results

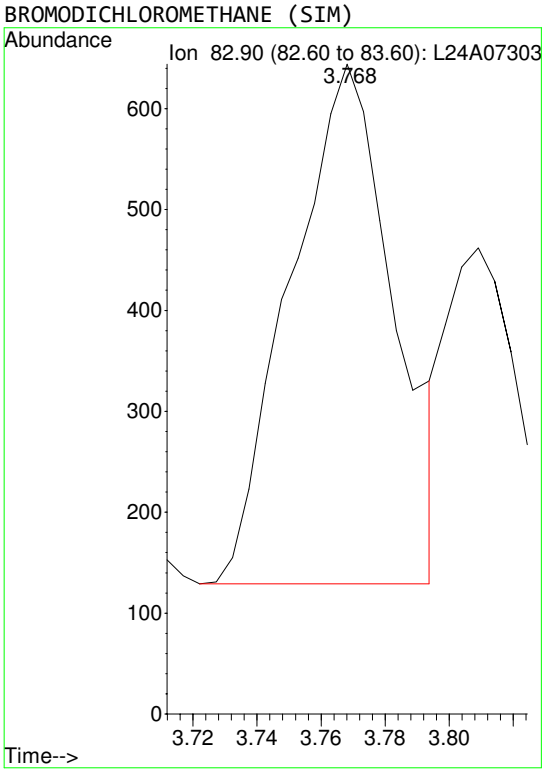
Fri Mar 15 11:16:42 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.82
Area : 144
Amount: 0.00551911

Manual Integration
CIS-1,2-DICHLOROETHENE (SIM)



Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

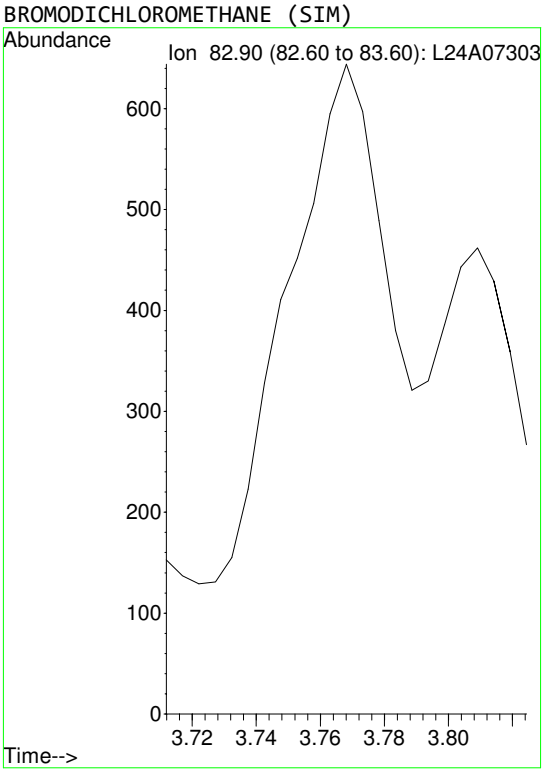
RT : 3.77
Area : 1152
Amount: 0.0240216

Manual Int. Results

Fri Mar 15 11:16:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

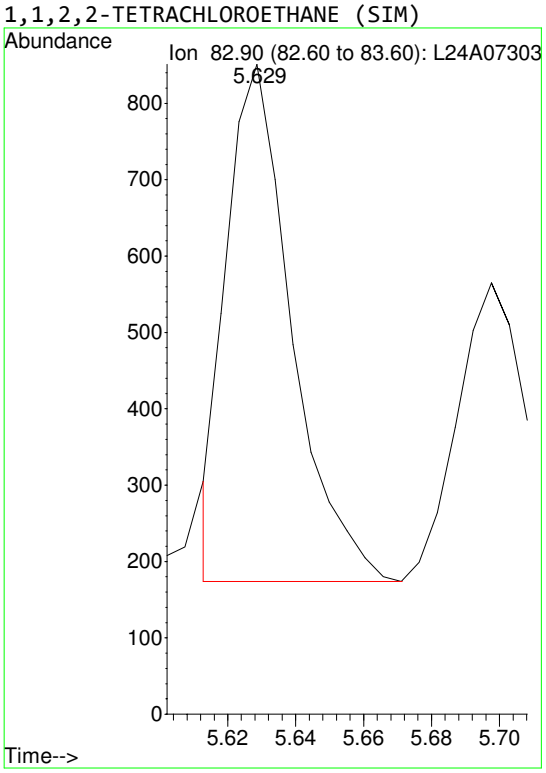
Manual Integration
BROMODICHLOROMETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

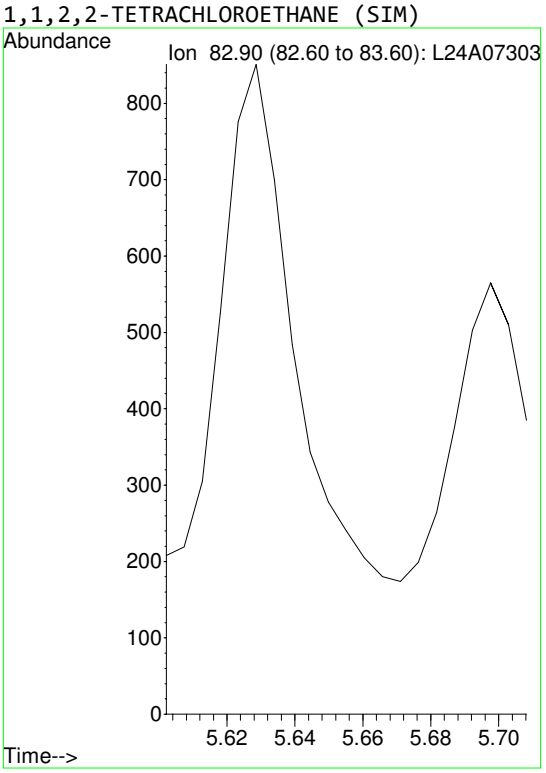
RT : 5.63
Area : 905
Amount: 0.016992

Manual Int. Results

Fri Mar 15 11:16:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-OA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Ambient Air	Laboratory ID:	24C0251-09	File ID:	L24A073033.D
Sampled:	02/28/24 18:22	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 02:29
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	4.6	0.71	1.4	
71-43-2	Benzene	0.066	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)	0.011	0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	1.1	0.68	1.4	J
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.082	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.073	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.050	0.017	0.035	
67-66-3	Chloroform (SIM)	0.051	0.0018	0.0070	
74-87-3	Chloromethane	0.56	0.047	0.070	
110-82-7	Cyclohexane	0.033	0.027	0.035	J
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene		0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.74	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.026	0.013	0.035	J
107-62-2	1,2-Dichloroethane (SIM)	0.028	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-OA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Ambient Air	Laboratory ID:	24C0251-09	File ID:	L24A073033.D
Sampled:	02/28/24 18:22	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 02:29
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)	0.010	0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.019	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	47	0.93	1.4	E
141-78-6	Ethyl Acetate	0.67	0.14	0.35	
100-41-4	Ethylbenzene		0.012	0.035	
622-96-8	4-Ethyltoluene		0.015	0.035	
142-82-5	Heptane		0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.035	
67-63-0	Isopropanol	11	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.12	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene		0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene		0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-OA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Ambient Air	Laboratory ID:	24C0251-09	File ID:	L24A073033.D
Sampled:	02/28/24 18:22	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 02:29
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran		0.13	0.35	
108-88-3	Toluene		0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.22	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.082	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene		0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene		0.027	0.035	
108-05-4	Vinyl Acetate		0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene		0.024	0.070	
95-47-6	o-Xylene		0.013	0.035	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073033.D Vial: 29
Acq On : 14 Mar 2024 02:29 am Operator: CMR
Sample : 24C0251-09 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:02 2024

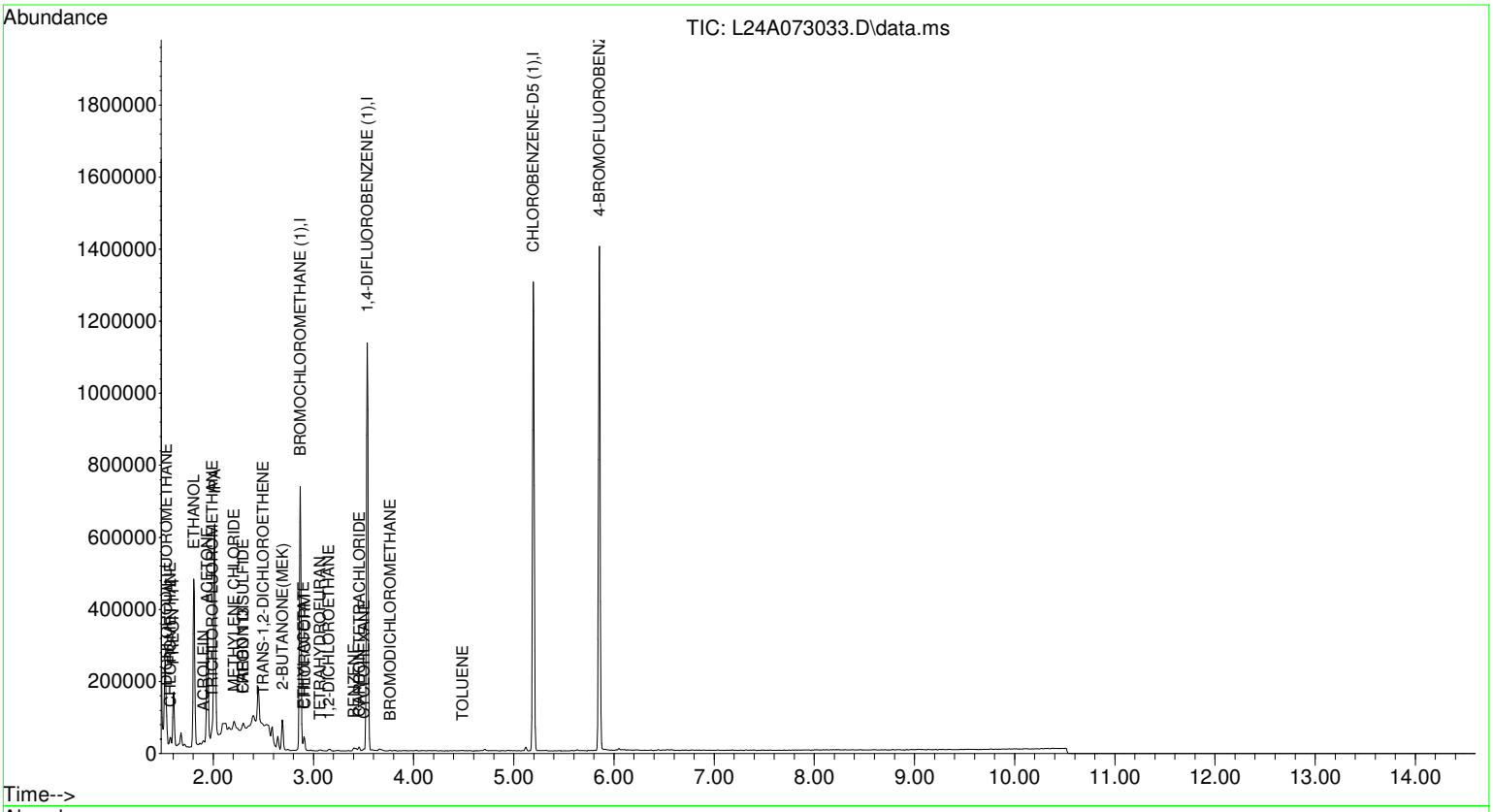
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073033.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

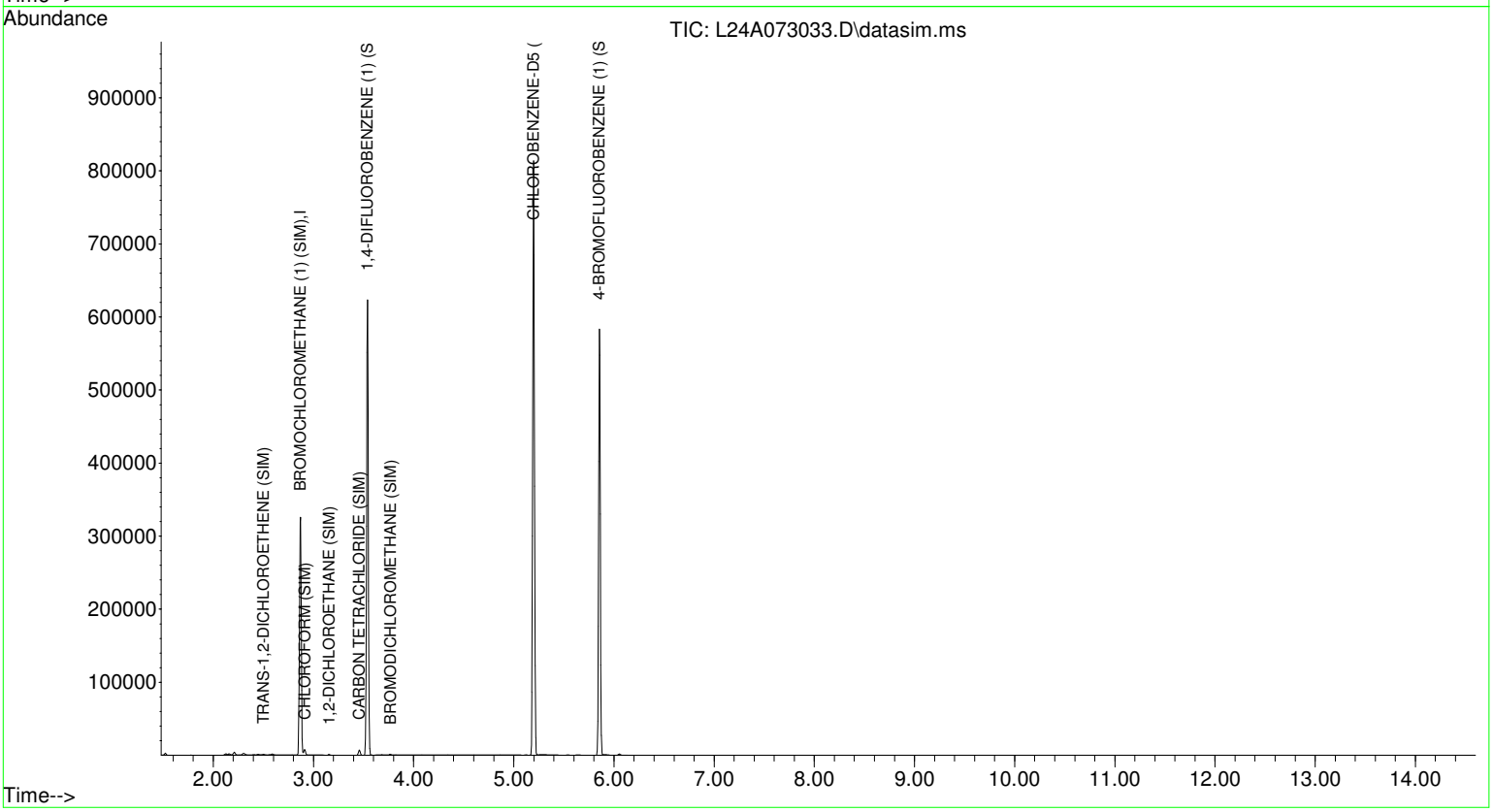
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.869	49	208377	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.537	114	607165	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.194	117	547385	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	225088	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	646656	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	603912	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	277254	7.359	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.00%				
87) 4-BROMOFLUOROBENZENE (...	5.853	174	292677	7.570	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.63%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	48647	1.056	PPBV		98
4) CHLOROMETHANE	1.570	50	12700	0.799	PPBV		97
5) FREON 114	1.601	85	1268	0.027	PPBV		96
10) ACROLEIN	1.902	56	5358	0.648	PPBV		92
11) ACETONE	1.938	43	192178	6.574	PPBV	#	57
12) TRICHLOROFLUOROMETHANE	1.989	101	15205	0.321	PPBV		97
13) ETHANOL	1.805	45	300945	66.692	PPBV		99
15) METHYLENE CHLORIDE	2.206	49	3768	0.166	PPBV		89
16) FREON 113	2.297	101	4372	0.117	PPBV		94
17) CARBON DISULFIDE	2.297	76	1437	0.027	PPBV	#	40
18) TRANS-1,2-DICHLOROETHENE	2.498	61	453	0.015	PPBV	#	33
21) IPA	2.015	45	490746	15.957	PPBV		96
22) 2-BUTANONE(MEK)	2.689	43	58825	1.635	PPBV		82
26) ETHYL ACETATE	2.901	45	5994	0.963	PPBV	#	63
27) CHLOROFORM	2.911	83	2694	0.072	PPBV		92
28) TETRAHYDROFURAN	3.065	42	1815	0.076	PPBV	#	50
29) 1,2-DICHLOROETHANE	3.152	62	939	0.037	PPBV		96
32) BENZENE	3.405	78	5227	0.095	PPBV		85
33) CARBON TETRACHLORIDE	3.458	117	4591	0.118	PPBV		86
34) CYCLOHEXANE	3.505	84	1079	0.047	PPBV		92
36) BROMODICHLOROMETHANE	3.764	83	866	0.020	PPBV	#	87
46) TOLUENE	4.489	91	676	0.011	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.501	61	474	0.015	PPBV		80
75] CHLOROFORM (SIM)	2.914	83	2906	0.073	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.155	62	1043	0.040	PPBV		100
78] CARBON TETRACHLORIDE (...	3.455	117	4465	0.104	PPBV		99
80] BROMODICHLOROMETHANE (...	3.767	83	748	0.016	PPBV		99

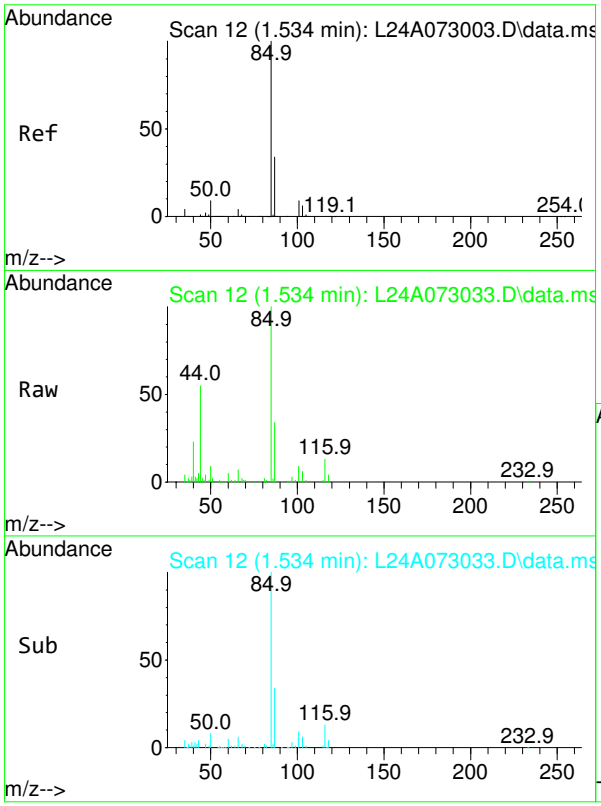
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073033.D Vial: 29
Acq On : 14 Mar 2024 02:29 am Operator: CMR
Sample : 24C0251-09 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:02 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073033.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



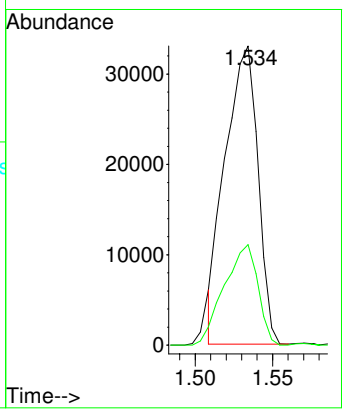


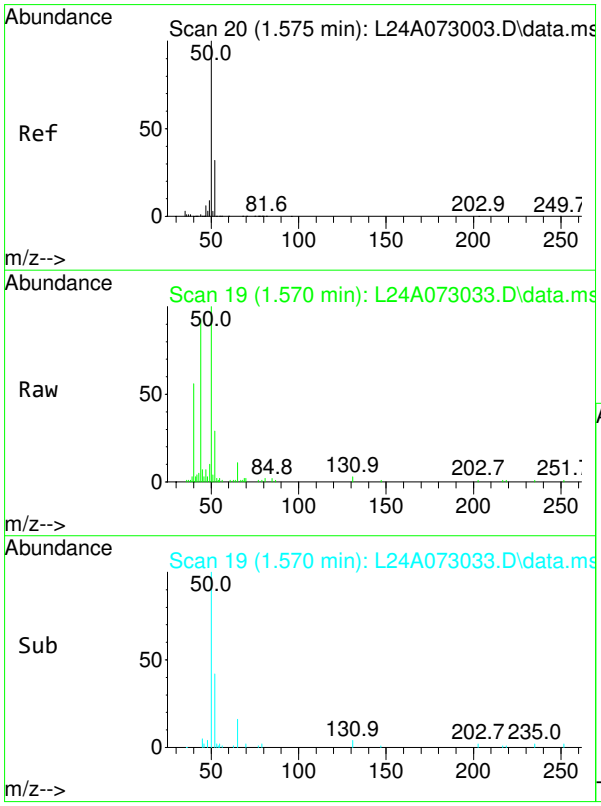


#3
DICHLORODIFLUOROMETHANE
Concen: 1.06 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 85 Resp: 48647

Ion	Ratio	Lower	Upper
85	100		
87	33.0	12.0	52.0

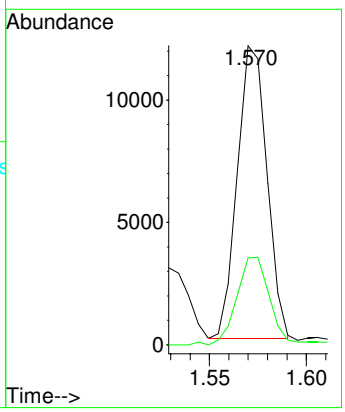


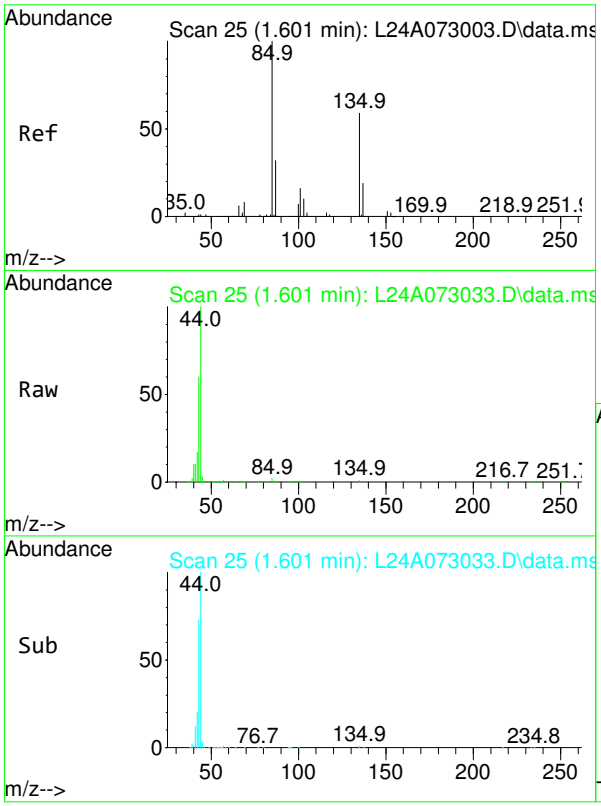


#4
CHLOROMETHANE
Concen: 0.80 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 50 Resp: 12700

Ion	Ratio	Lower	Upper
50	100		
52	32.7	11.2	51.2

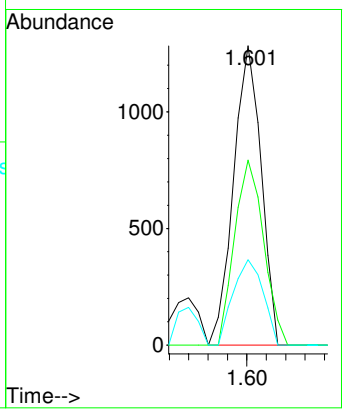


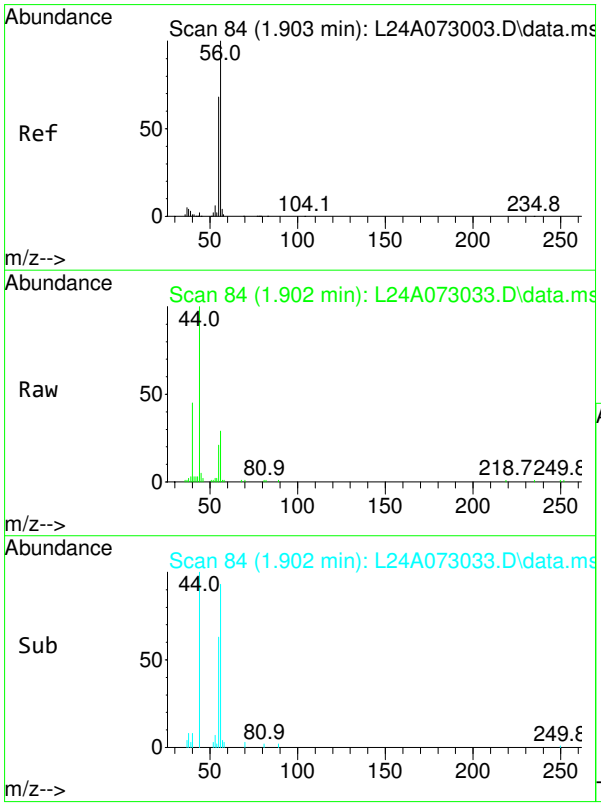


#5
FREON 114
Concen: 0.03 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 85 Resp: 1268

Ion	Ratio	Lower	Upper
85	100		
135	65.2	41.5	81.5
87	30.9	12.1	52.1

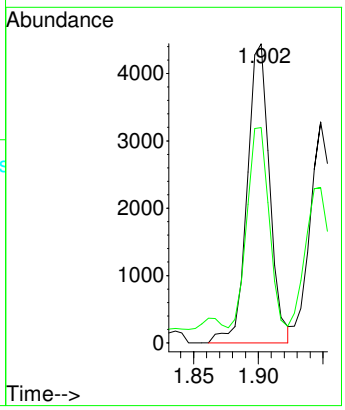


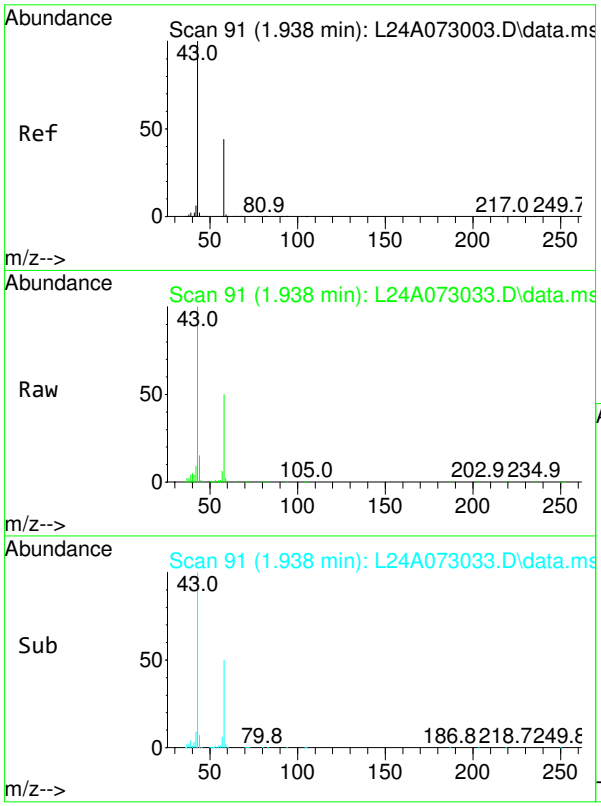


#10
ACROLEIN
Concen: 0.65 PPBV
RT: 1.902 min Scan# 84
Delta R.T. -0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 56 Resp: 5358

Ion	Ratio	Lower	Upper
56	100		
55	64.6	51.4	91.4

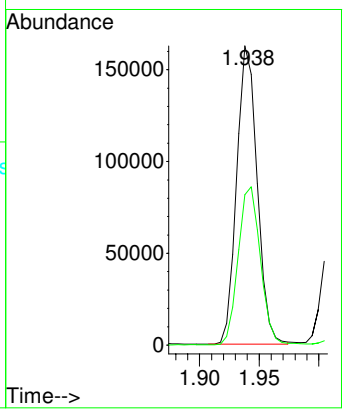


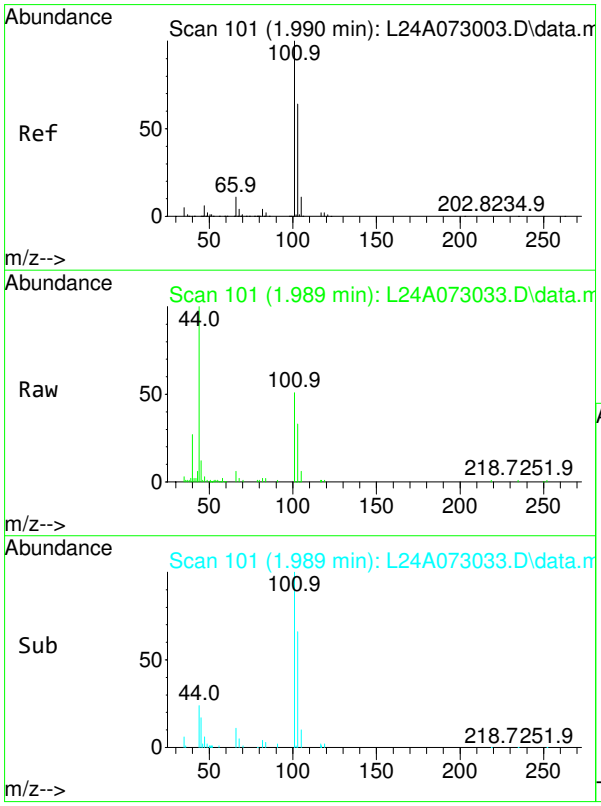


#11
ACETONE
Concen: 6.57 PPBV
RT: 1.938 min Scan# 91
Delta R.T. -0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 43 Resp: 192178

Ion	Ratio	Lower	Upper
43	100		
58	57.2	13.1	53.1#

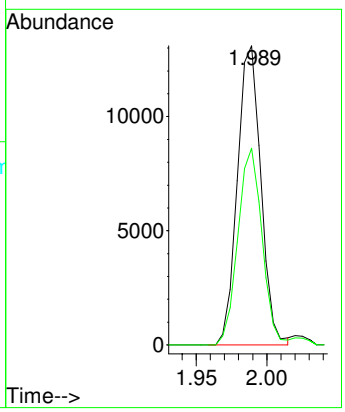


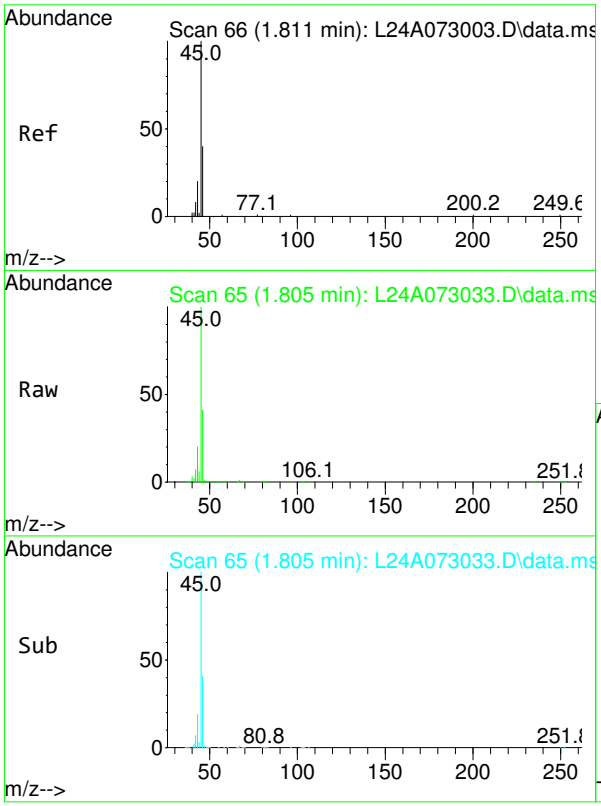


#12
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:101 Resp: 15205

Ion	Ratio	Lower	Upper
101	100		
103	67.4	44.7	84.7

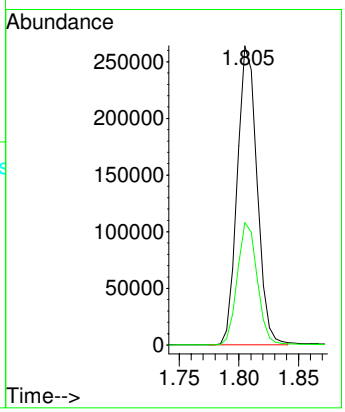


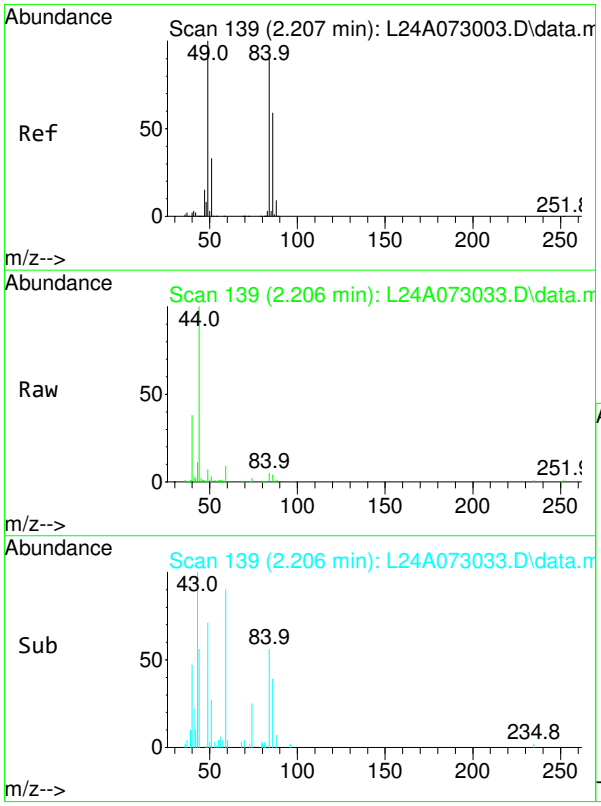


#13
ETHANOL
Concen: 66.69 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 45 Resp: 300945

Ion	Ratio	Lower	Upper
45	100		
46	41.0	20.5	60.5

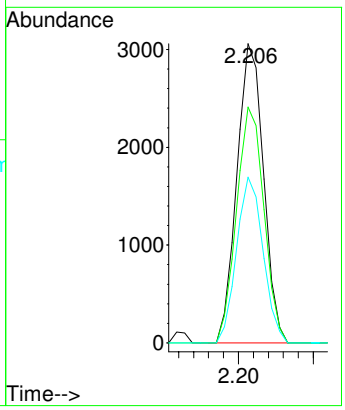


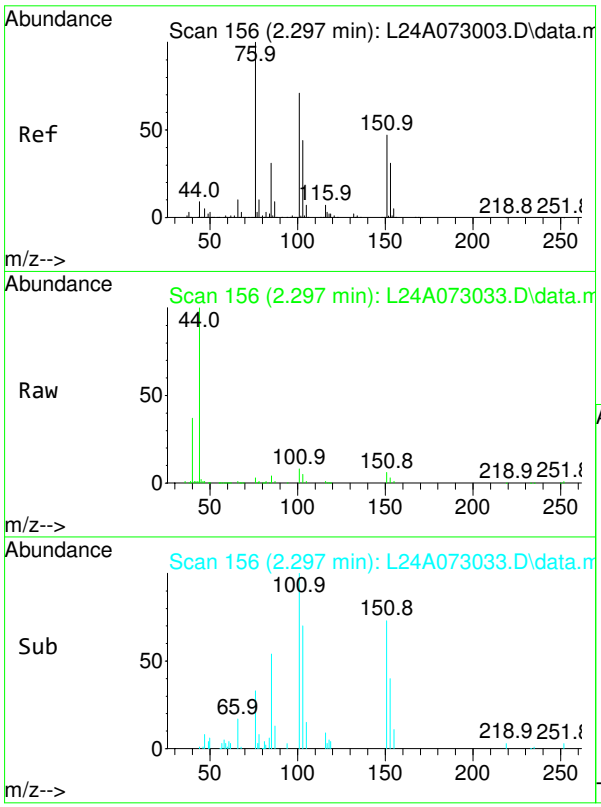


#15
METHYLENE CHLORIDE
Concen: 0.17 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 49 Resp: 3768

Ion	Ratio	Lower	Upper
49	100		
84	81.1	52.0	92.0
86	55.1	27.3	67.3

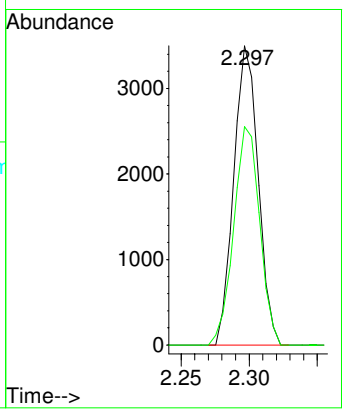


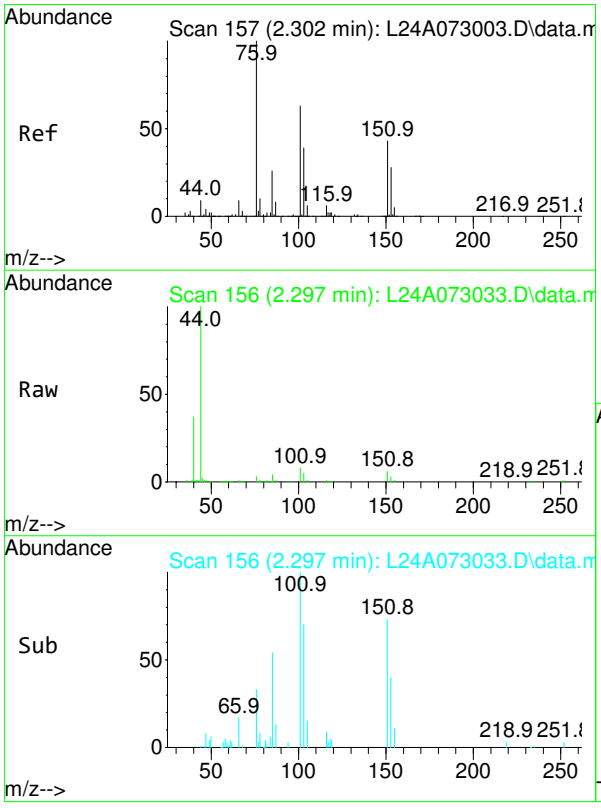


#16
FREON 113
Concen: 0.12 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:101 Resp: 4372

Ion	Ratio	Lower	Upper
101	100		
151	77.6	52.3	92.3

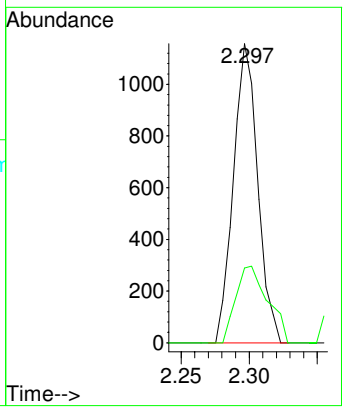


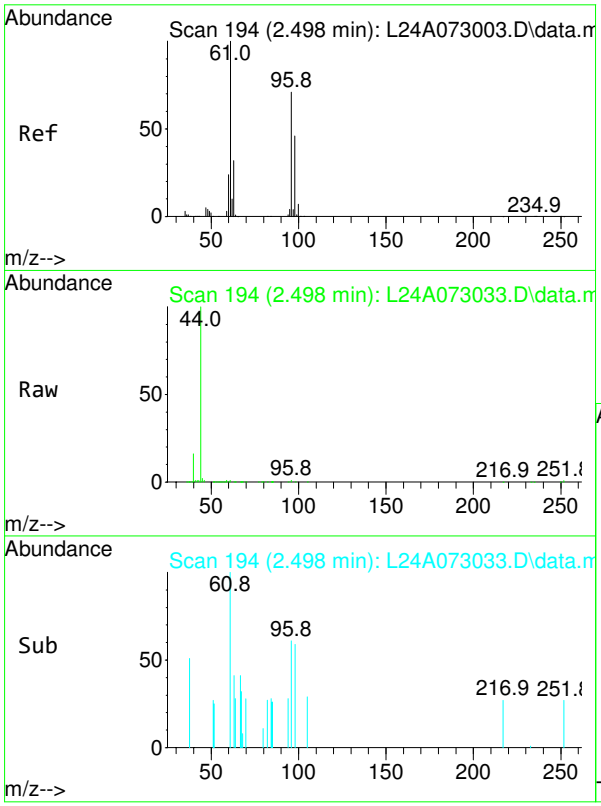


#17
CARBON DISULFIDE
Concen: 0.03 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 76 Resp: 1437

Ion	Ratio	Lower	Upper
76	100		
78	33.8	0.0	31.1#

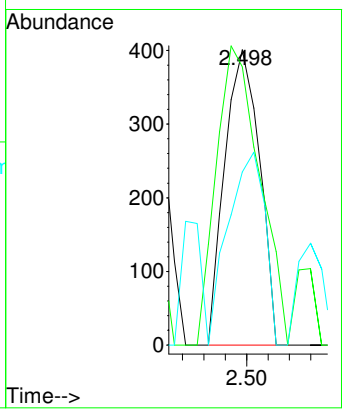


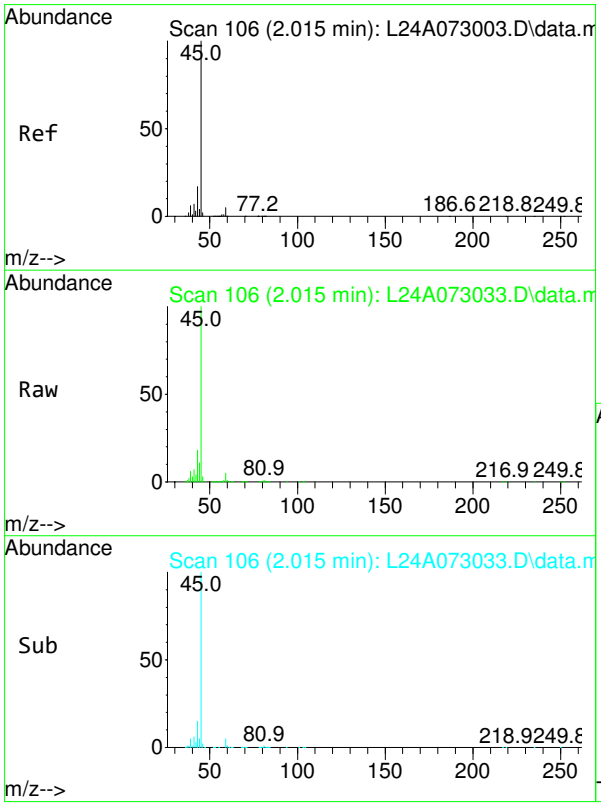


#18
TRANS-1,2-DICHLOROETHENE
Concen: 0.02 PPBV
RT: 2.498 min Scan# 194
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 61 Resp: 453

Ion	Ratio	Lower	Upper
61	100		
96	126.5	43.9	83.9#
98	69.3	20.5	60.5#

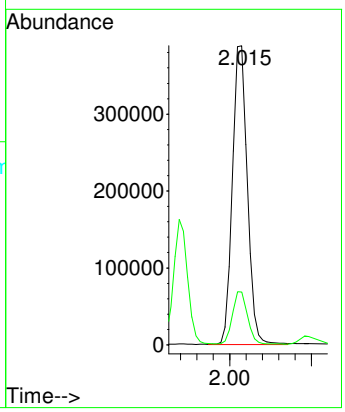


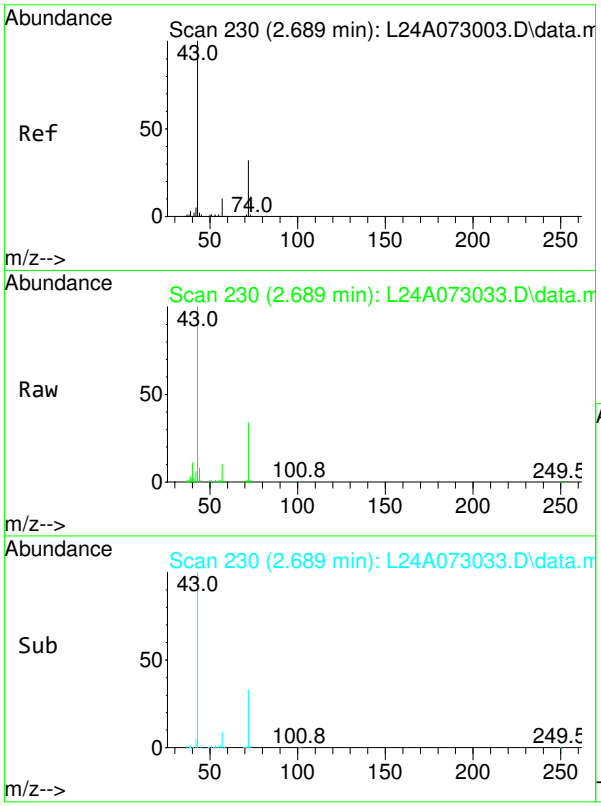


#21
IPA
Concen: 15.96 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 45 Resp: 490746

Ion	Ratio	Lower	Upper
45	100		
43	17.6	0.0	39.3

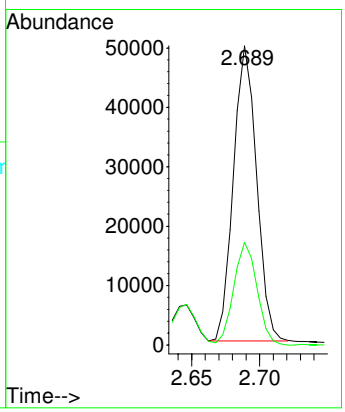


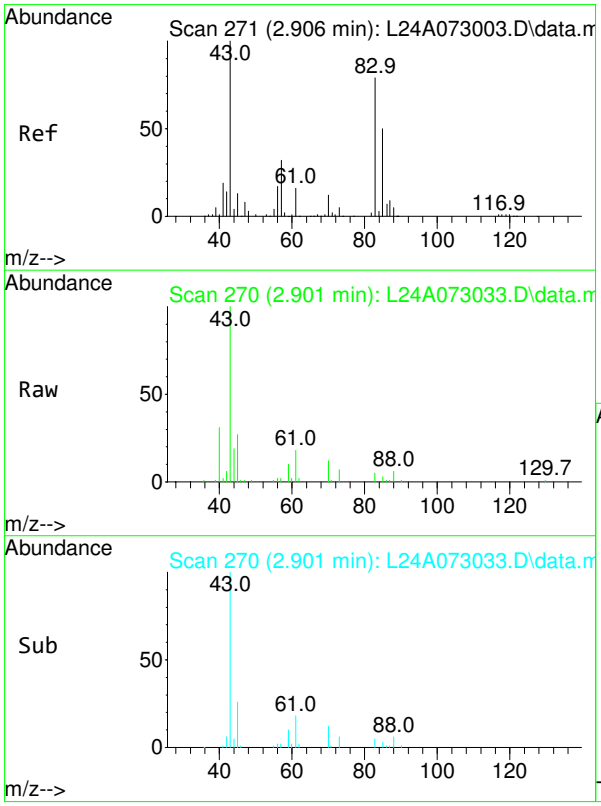


#22
2-BUTANONE(MEK)
Concen: 1.63 PPBV
RT: 2.689 min Scan# 230
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 43 Resp: 58825

Ion	Ratio	Lower	Upper
43	100		
72	34.9	5.6	45.6

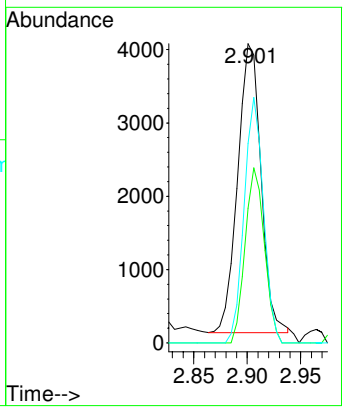


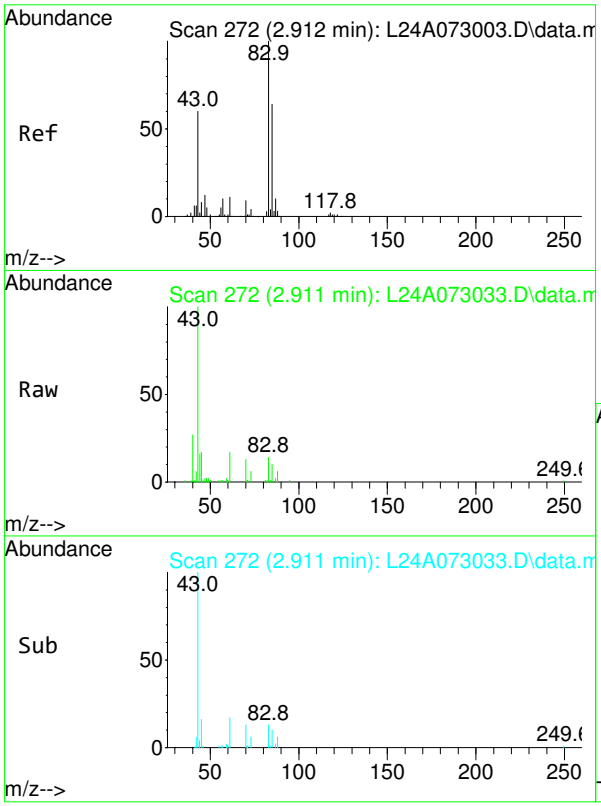


#26
ETHYL ACETATE
Concen: 0.96 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 45 Resp: 5994

Ion	Ratio	Lower	Upper
45	100		
70	50.1	68.8	108.8#
61	70.0	83.3	123.3#

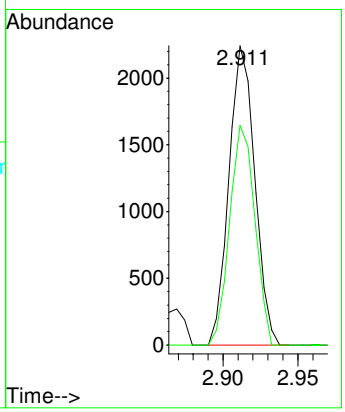


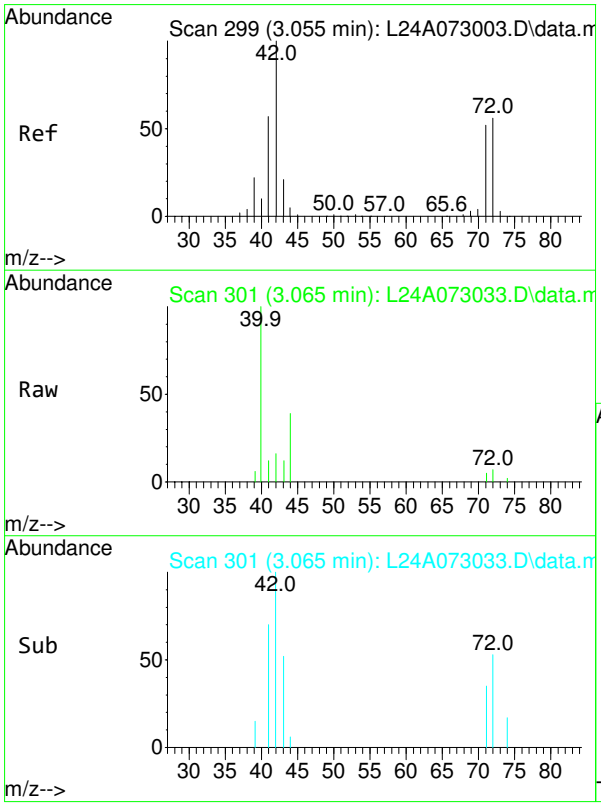


#27
CHLOROFORM
Concen: 0.07 PPBV
RT: 2.911 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
85	71.4	44.8	84.8

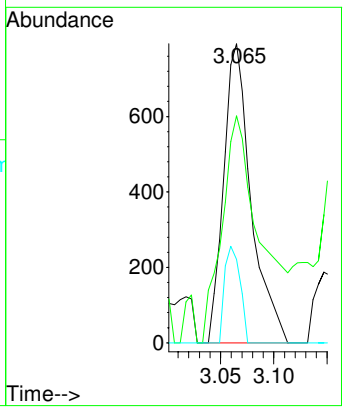


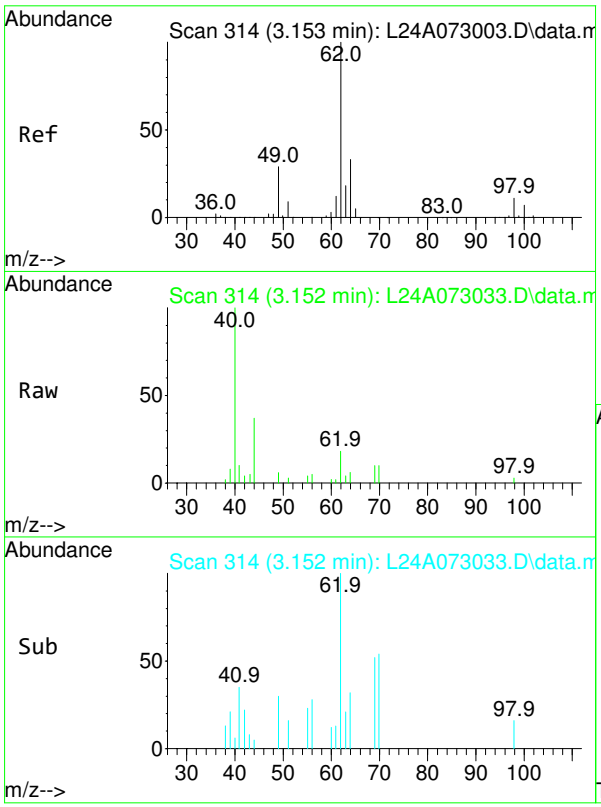


#28
TETRAHYDROFURAN
Concen: 0.08 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 42 Resp: 1815

Ion	Ratio	Lower	Upper
42	100		
41	91.3	33.5	73.5#
71	14.2	24.0	64.0#

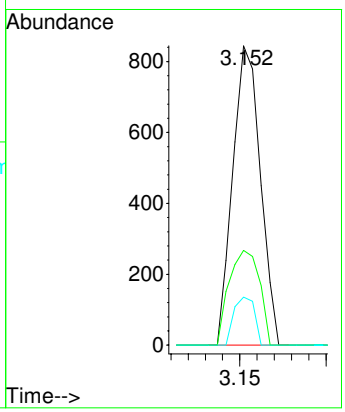


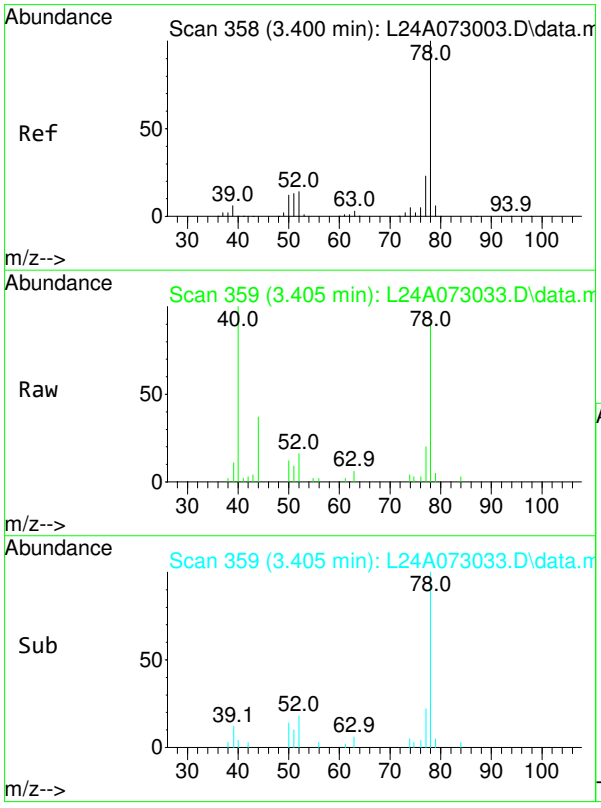


#29
1,2-DICHLOROETHANE
Concen: 0.04 PPBV
RT: 3.152 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 62 Resp: 939

Ion	Ratio	Lower	Upper
62	100		
64	34.8	13.0	53.0
98	12.0	0.0	19.3

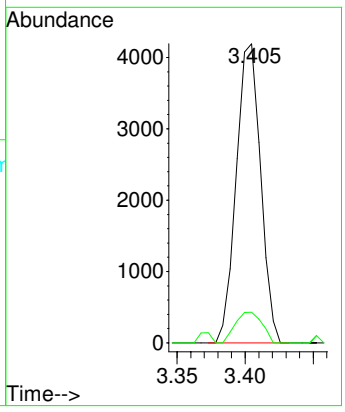


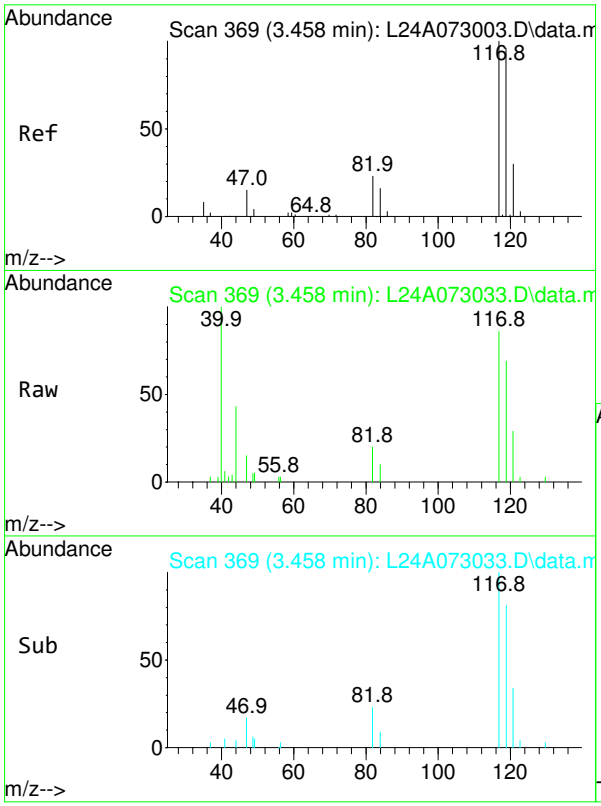


#32
BENZENE
Concen: 0.09 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 78 Resp: 5227

Ion	Ratio	Lower	Upper
78	100		
51	11.2	0.0	37.7

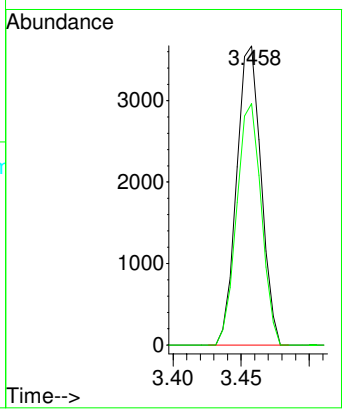


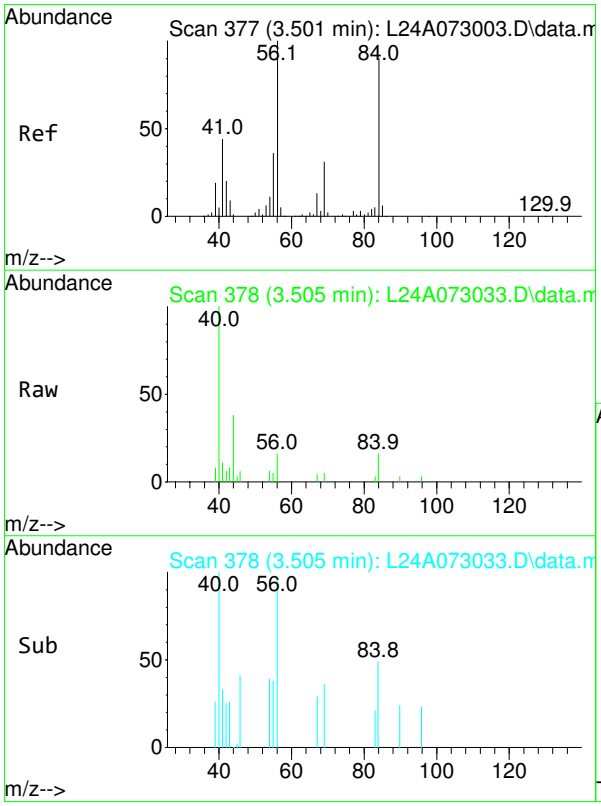


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:117 Resp: 4591

Ion	Ratio	Lower	Upper
117	100		
119	81.2	75.3	115.3

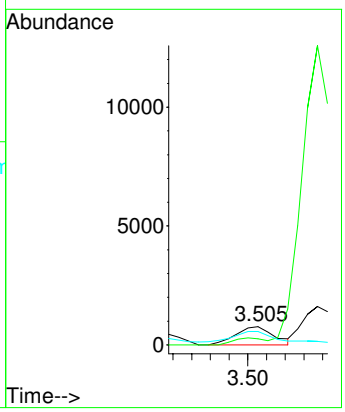


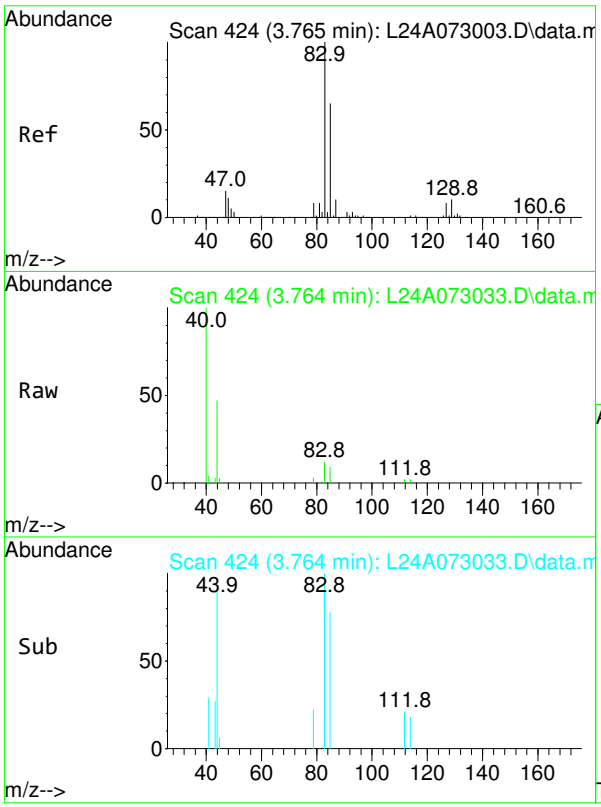


#34
CYCLOHEXANE
Concen: 0.05 PPBV
RT: 3.505 min Scan# 378
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 84 Resp: 1079

Ion	Ratio	Lower	Upper
84	100		
69	31.7	17.7	57.7
41	58.9	44.6	84.6

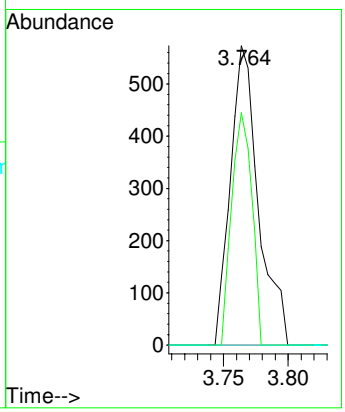


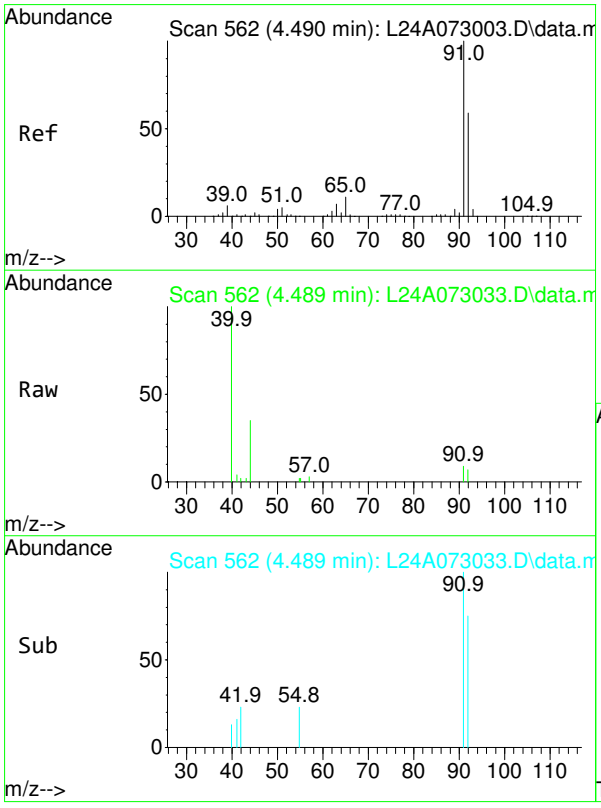


#36
BROMODICHLOROMETHANE
Concen: 0.02 PPBV
RT: 3.764 min Scan# 424
Delta R.T. -0.008 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 866

Ion	Ratio	Lower	Upper
83	100		
85	55.9	43.9	83.9
129	0.0	0.0	30.8

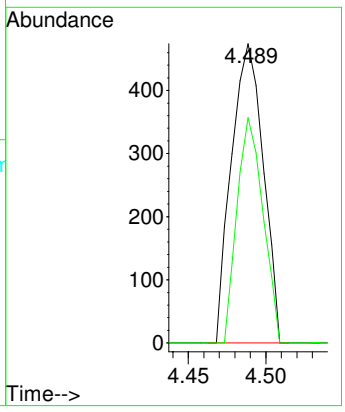


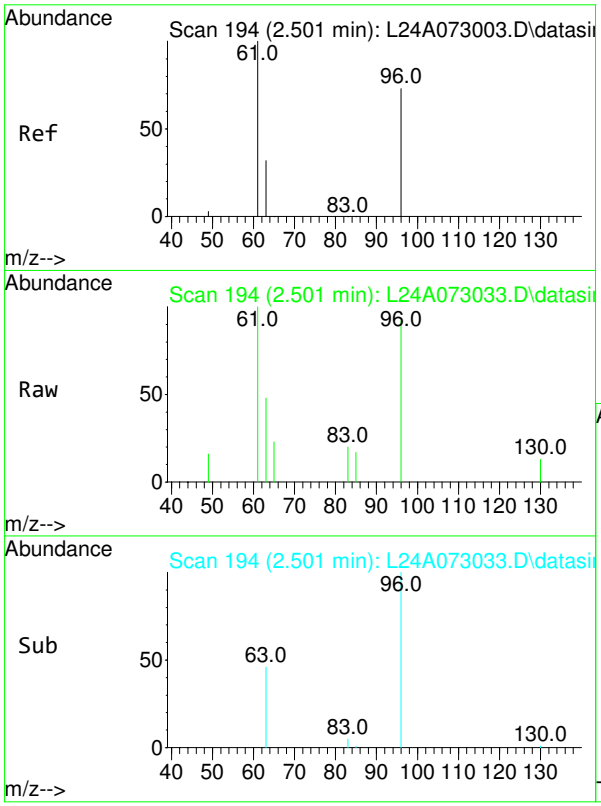


#46
TOLUENE
Concen: 0.01 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 91 Resp: 676

Ion	Ratio	Lower	Upper
91	100		
92	61.2	39.1	79.1

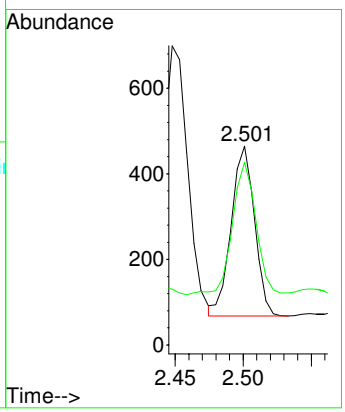


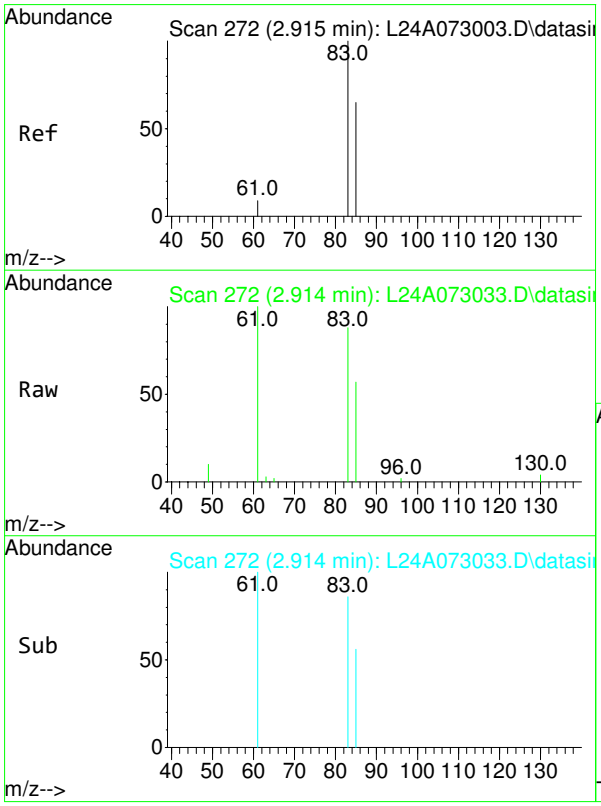


#72
TRANS-1,2-DICHLOROETHENE (SIM)
Concen: 0.02 PPBV
RT: 2.501 min Scan# 194
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 61 Resp: 474

Ion	Ratio	Lower	Upper
61	100		
96	79.5	43.8	83.8

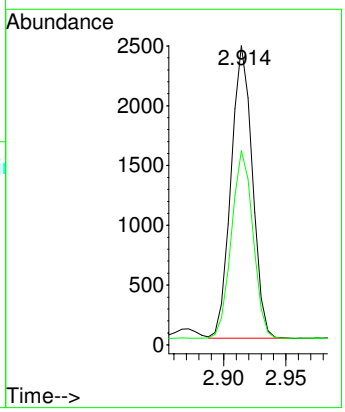


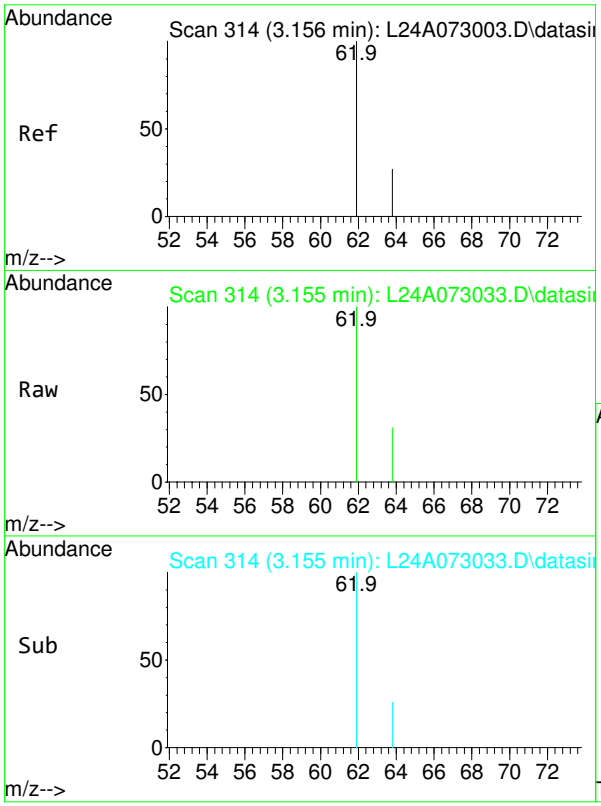


#75
CHLOROFORM (SIM)
Concen: 0.07 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 2906

Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.0	85.0

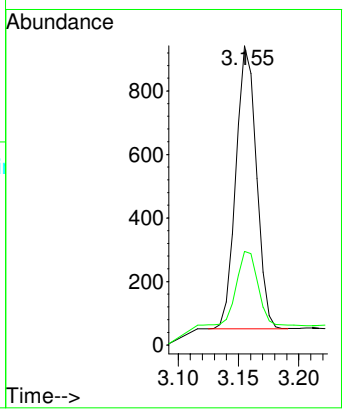


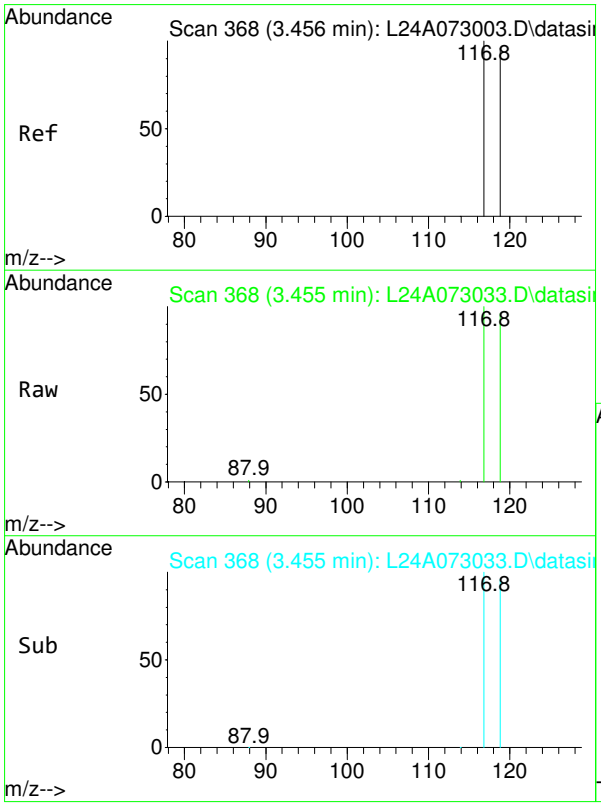


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.04 PPBV
RT: 3.155 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 62 Resp: 1043

Ion	Ratio	Lower	Upper
62	100		
64	27.0	7.0	47.0

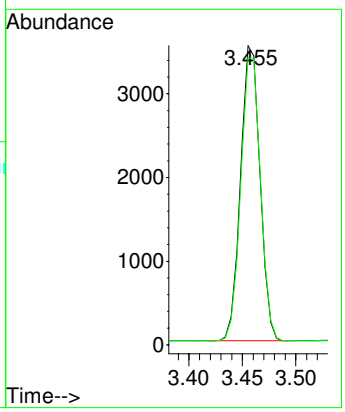


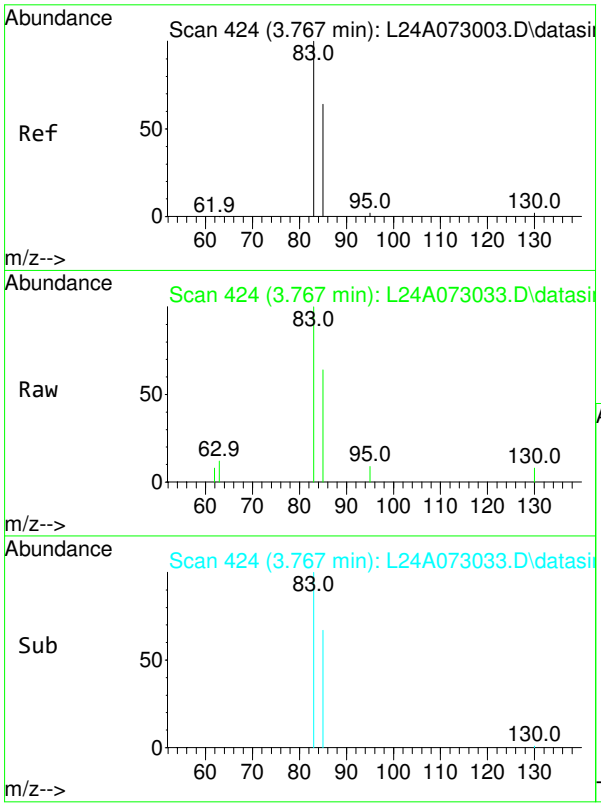


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.455 min Scan# 368
Delta R.T. -0.006 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:117 Resp: 4465

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.3	116.3

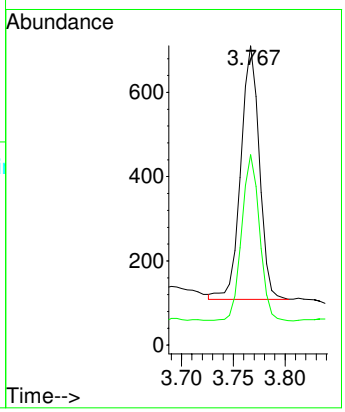




#80
BROMODICHLOROMETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.767 min Scan# 424
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 748

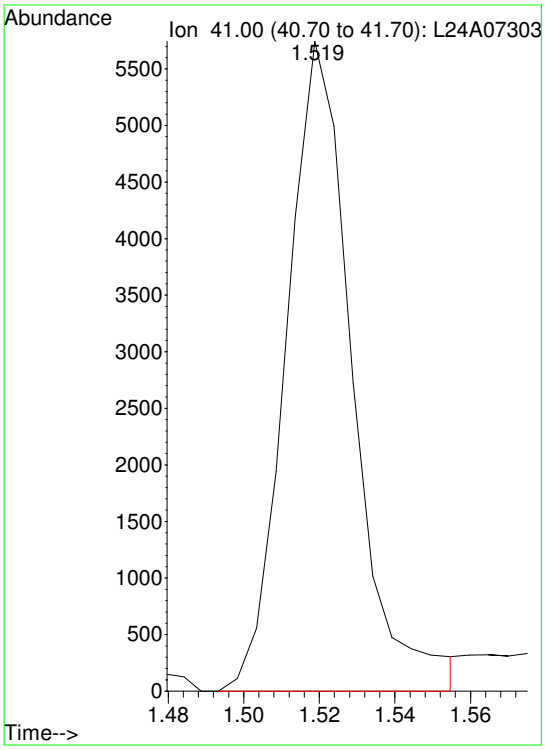
Ion	Ratio	Lower	Upper
83	100		
85	63.1	43.9	83.9



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

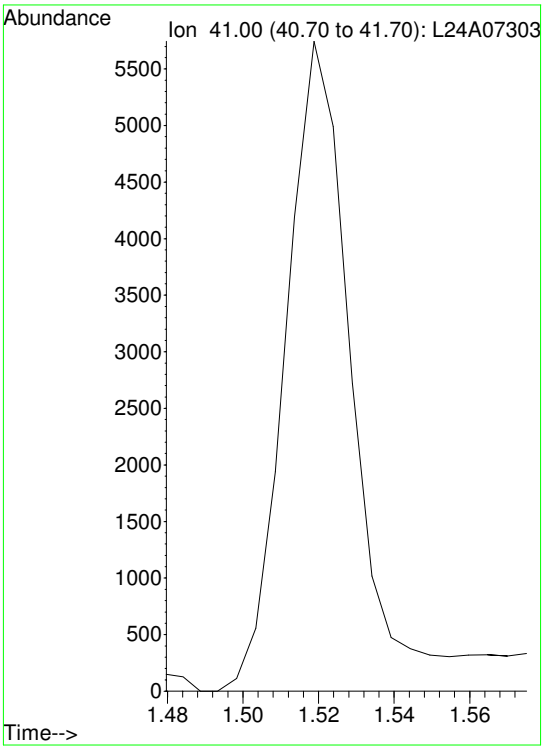
RT : 1.52
Area : 6986
Amount: 0.658137

Manual Int. Results

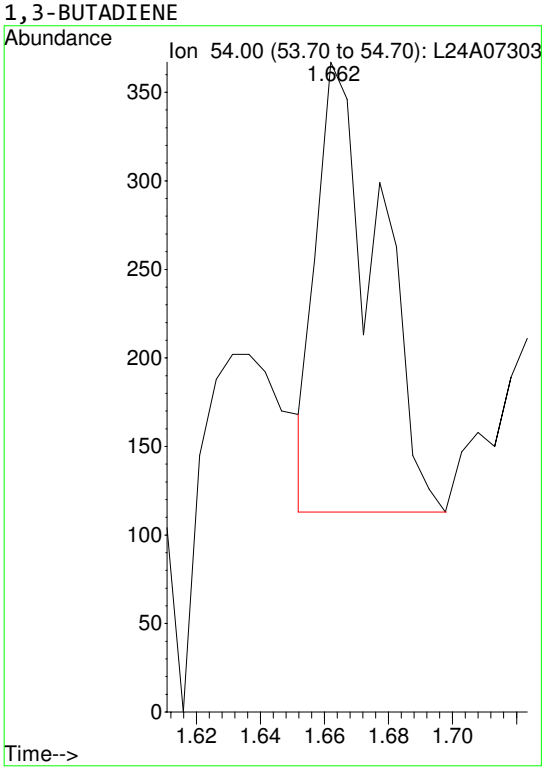
Fri Mar 15 11:17:13 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

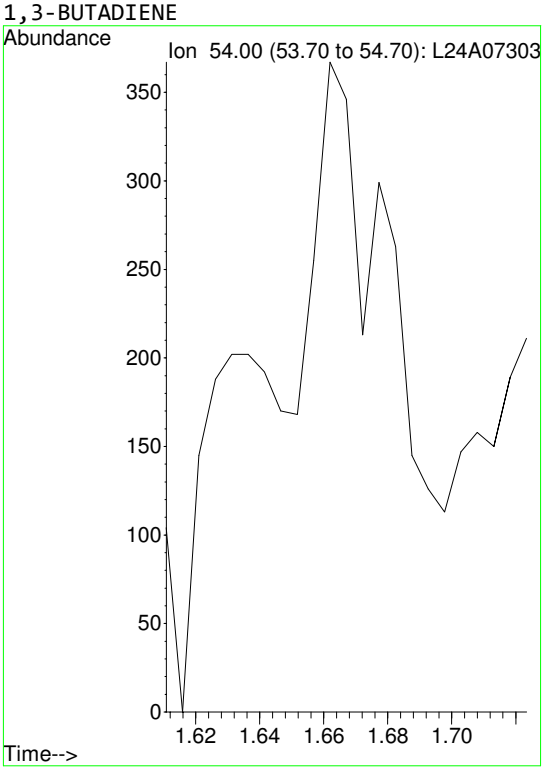
RT : 1.66
Area : 341
Amount: 0.0237534

Manual Int. Results

Fri Mar 15 11:17:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

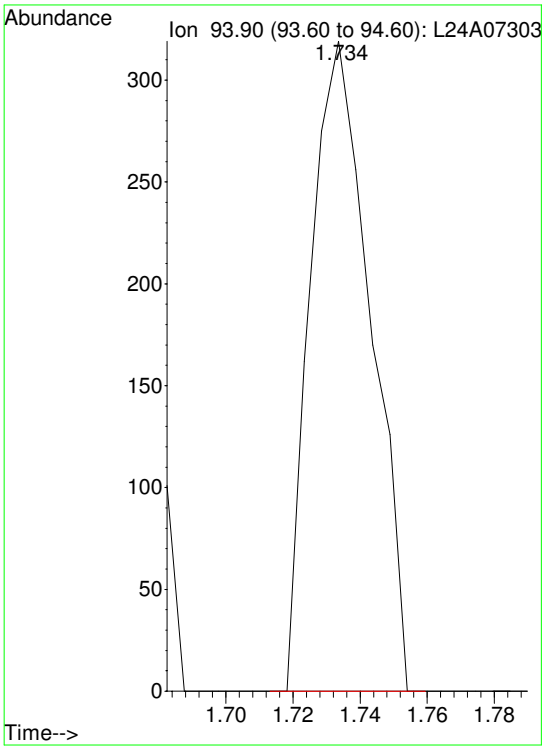
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

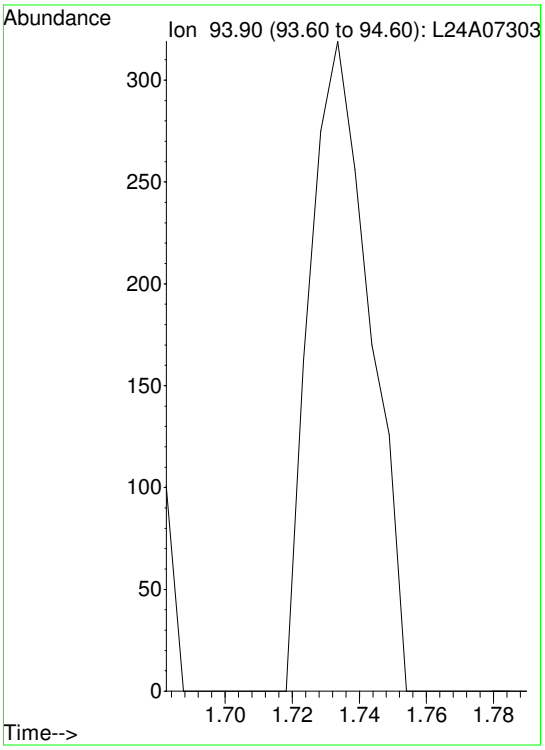
RT : 1.73
Area : 401
Amount: 0.0244032

Manual Int. Results

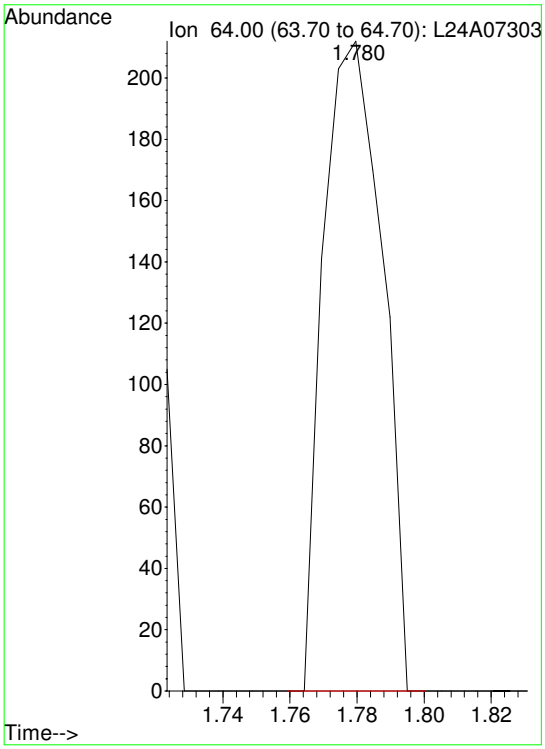
Fri Mar 15 11:17:34 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

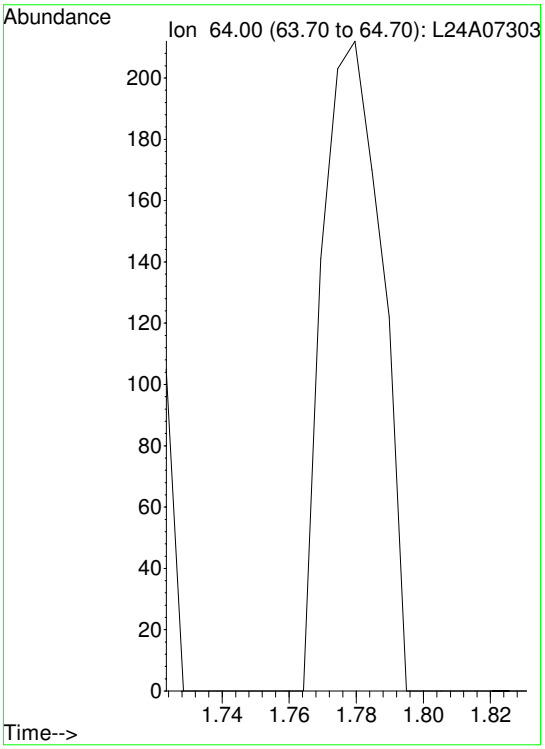
RT : 1.78
Area : 260
Amount: 0.0242426

Manual Int. Results

Fri Mar 15 11:17:38 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

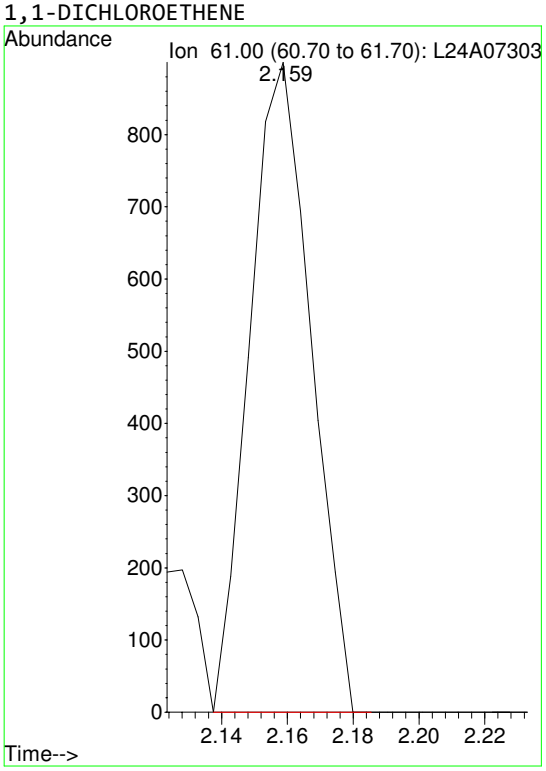
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

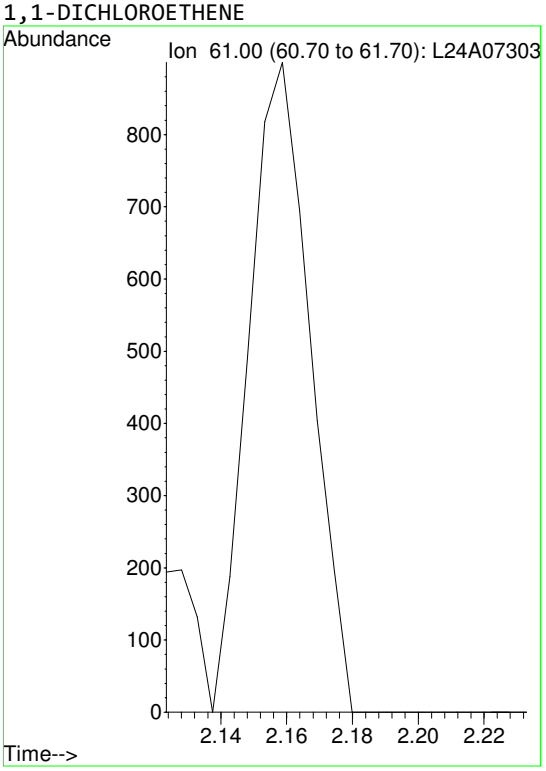
RT : 2.16
Area : 1174
Amount: 0.0399864

Manual Int. Results

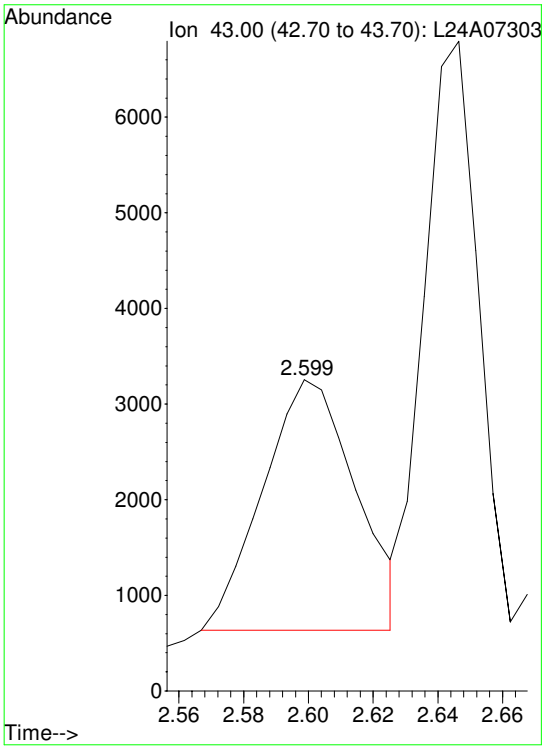
Fri Mar 15 11:17:50 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
VINYL ACETATE



Original Int. Results

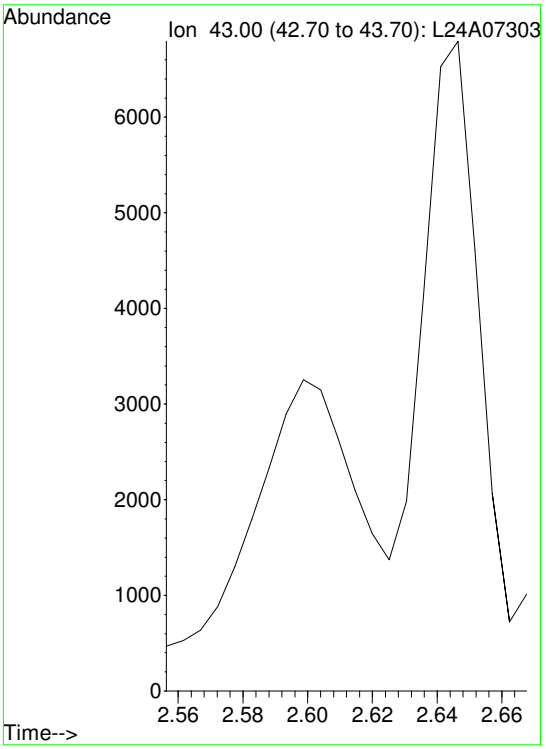
RT : 2.60
Area : 5215
Amount: 0.136801

Manual Int. Results

Fri Mar 15 11:18:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

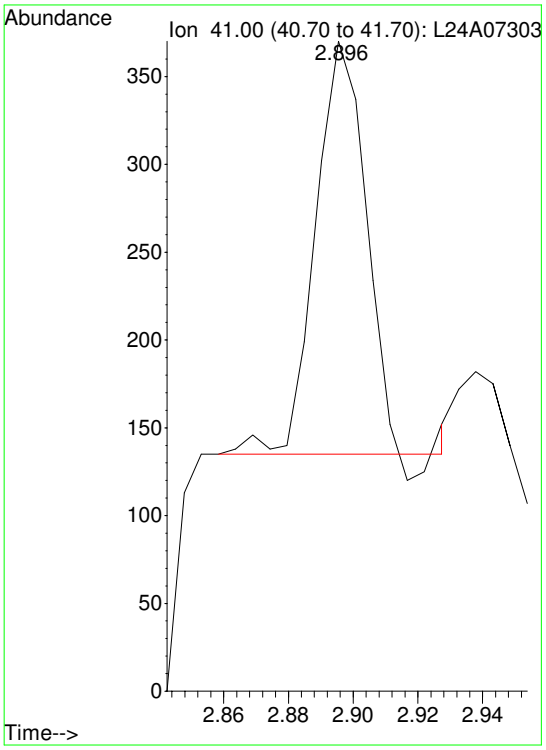
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
HEXANE



Original Int. Results

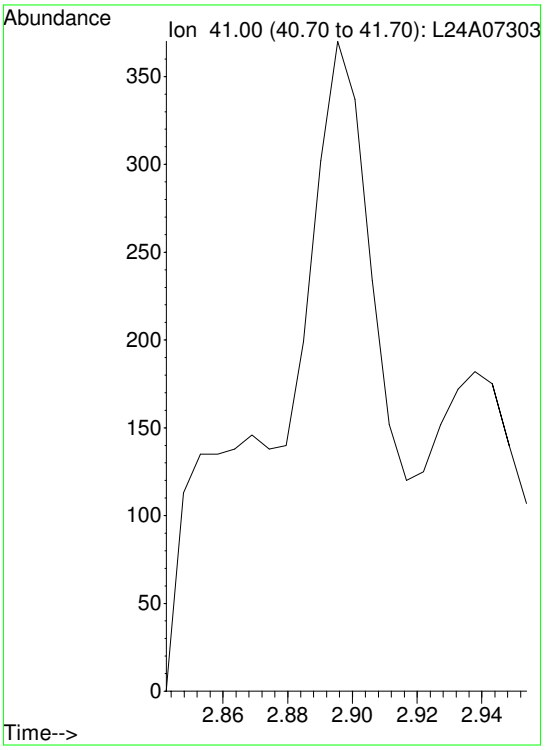
RT : 2.90
Area : 254
Amount: 0.0131031

Manual Int. Results

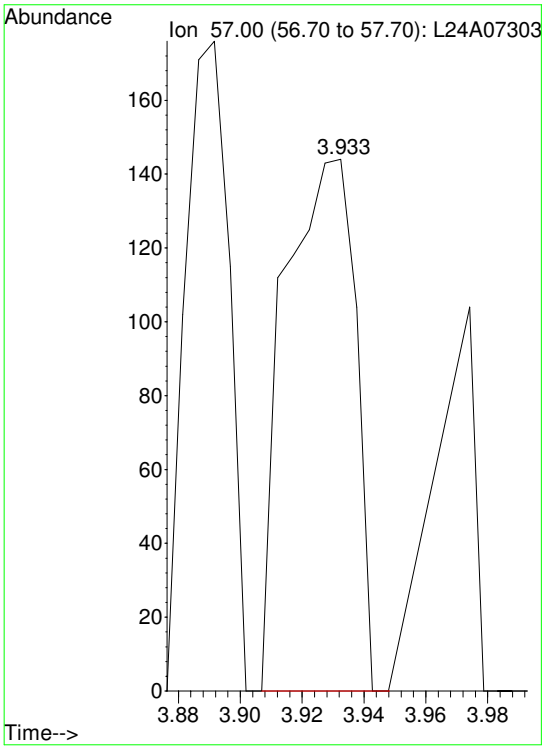
Fri Mar 15 11:18:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
HEPTANE



Original Int. Results

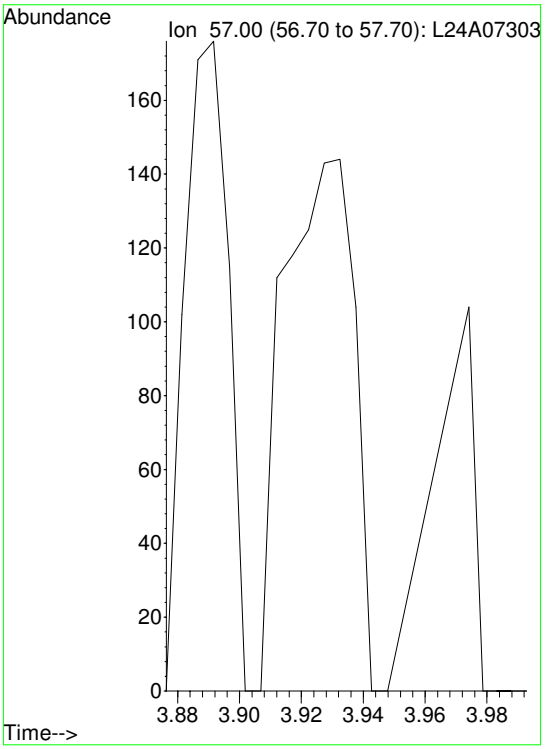
RT : 3.93
Area : 229
Amount: 0.0131942

Manual Int. Results

Fri Mar 15 11:18:24 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

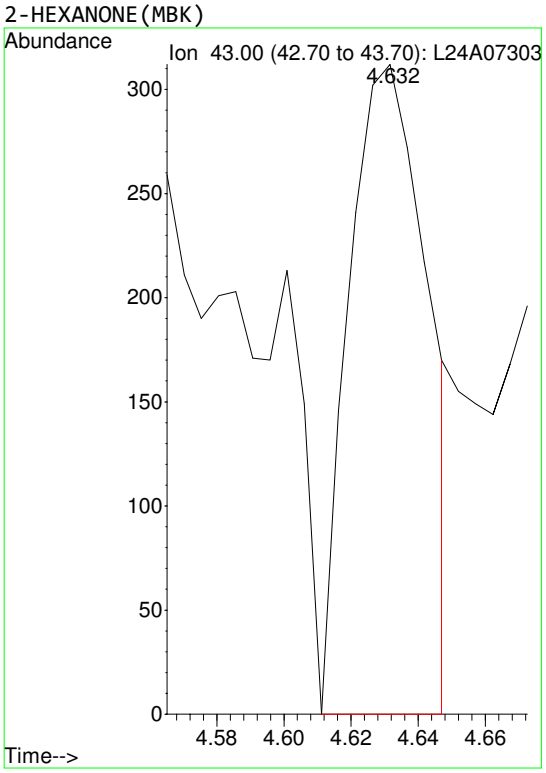
Manual Integration
HEPTANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

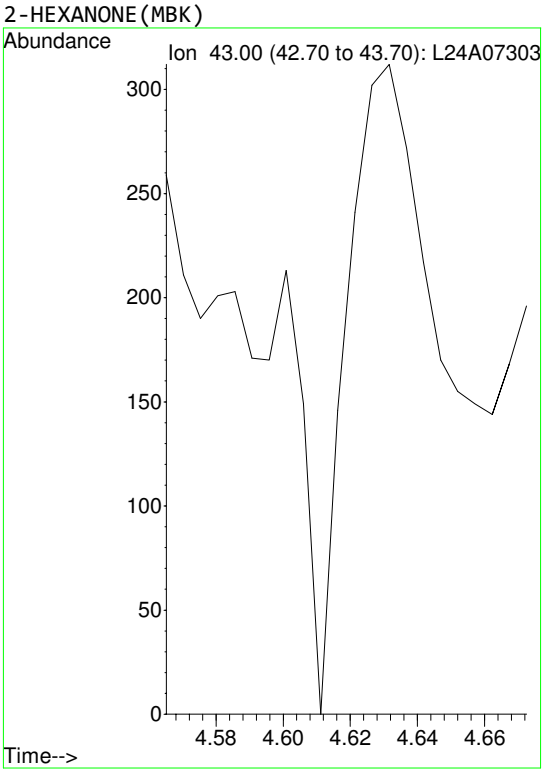
RT : 4.63
Area : 509
Amount: 0.012411

Manual Int. Results

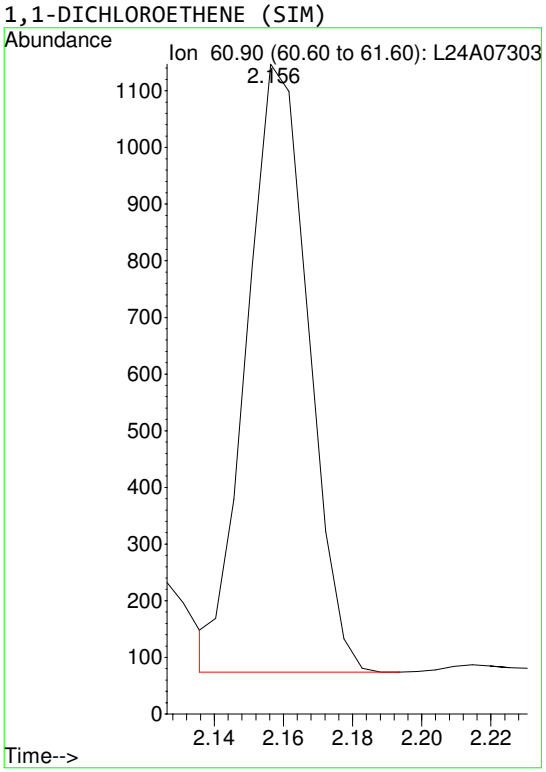
Fri Mar 15 11:18:29 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

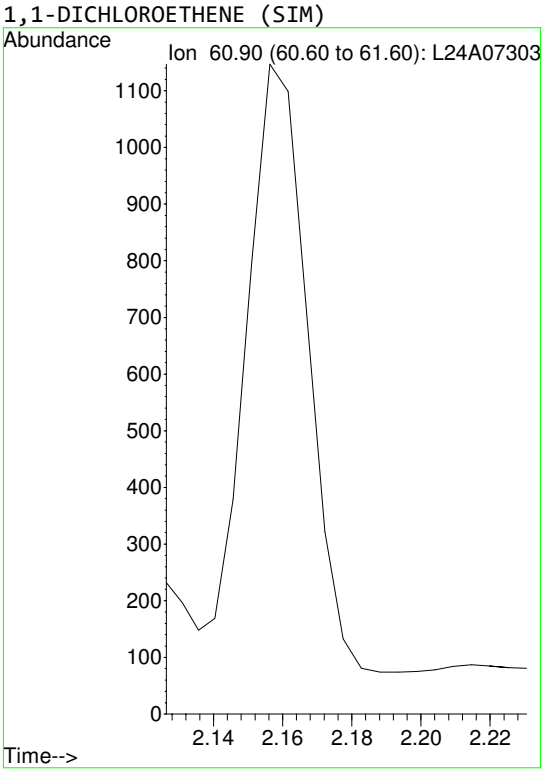
RT : 2.16
Area : 1311
Amount: 0.0415312

Manual Int. Results

Fri Mar 15 11:18:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

SSV-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-10	File ID:	L24A073035.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:31
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	8.4	2.0	4.0	
71-43-2	Benzene	0.052	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	7.0	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.25	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

SSV-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-10	File ID:	L24A073035.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:31
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	11	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.11	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.11	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.062	0.050	0.10	J
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	0.26	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.28	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.10	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate		0.41	2.0	
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

SSV-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-10	File ID:	L24A073035.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:31
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073035.D Vial: 31
Acq On : 14 Mar 2024 03:31 am Operator: CMR
Sample : 24C0251-10 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:06 2024

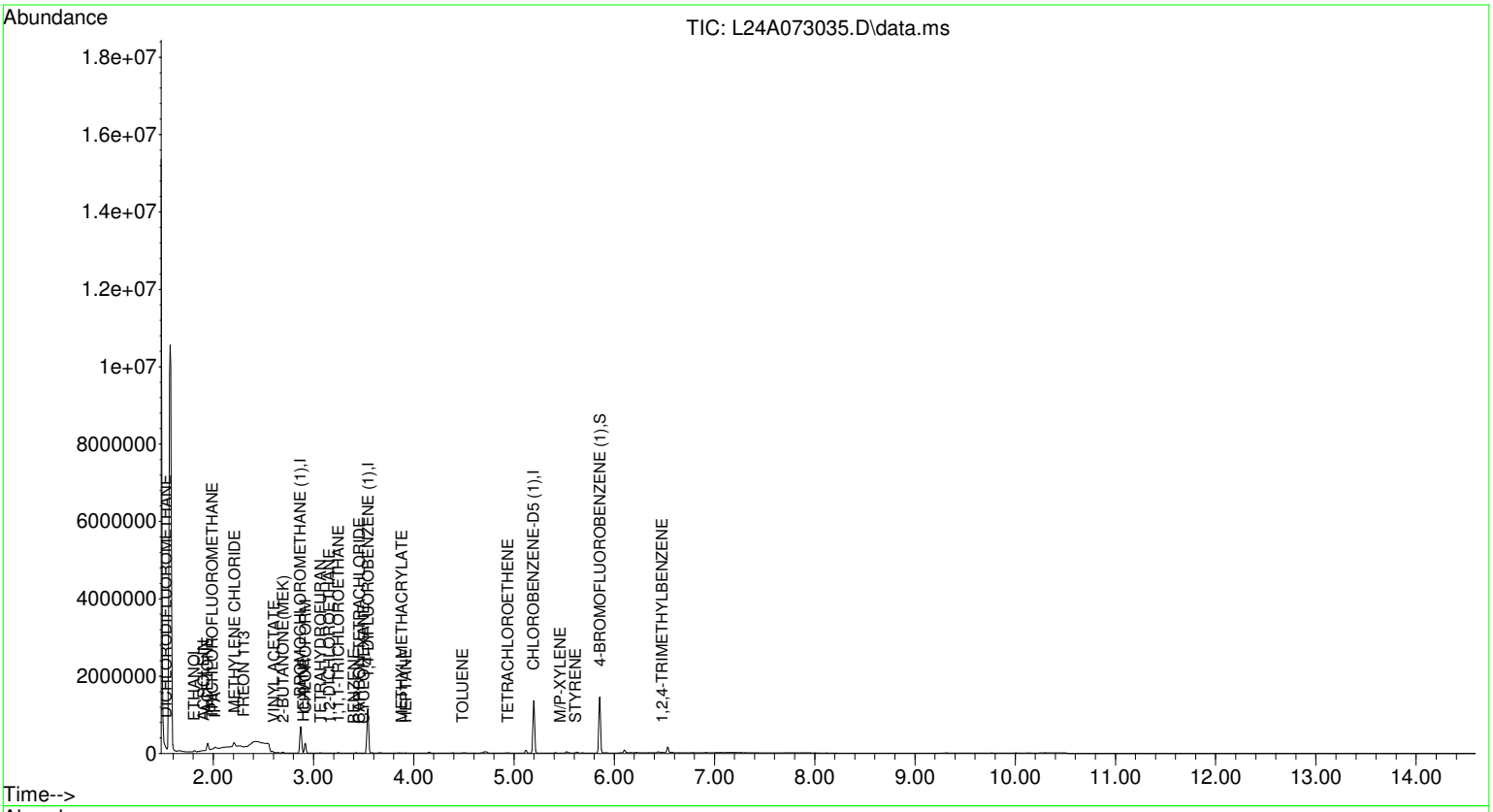
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073035.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

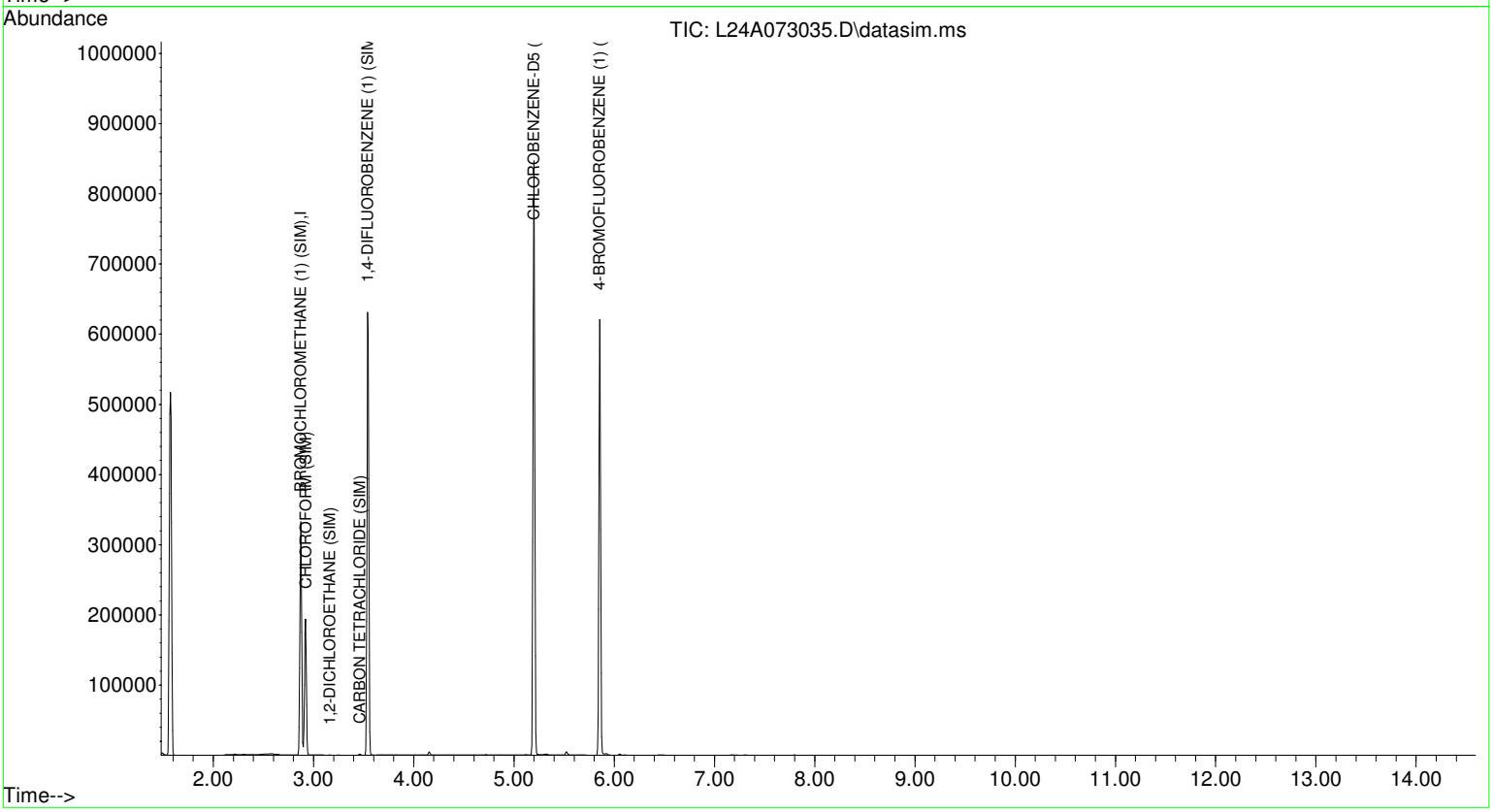
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	212153	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	641467	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	583657	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	230940	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	675166	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	636858	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	290726	7.237	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 90.50%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	310247	7.609	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.13%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	5913	0.126	PPBV	95
10) ACROLEIN	1.903	56	1465	0.174	PPBV	90
11) ACETONE	1.944	43	125236	4.208	PPBV	75
12) TRICHLOROFLUOROMETHANE	1.990	101	6701	0.139	PPBV	91
13) ETHANOL	1.811	45	24259	5.280	PPBV	98
15) METHYLENE CHLORIDE	2.212	49	1192	0.052	PPBV #	77
16) FREON 113	2.302	101	1898	0.050	PPBV	86
21) IPA	2.015	45	24113	0.770	PPBV	90
22) 2-BUTANONE(MEK)	2.694	43	15970	0.436	PPBV	82
24) VINYL ACETATE	2.604	43	6911	0.178	PPBV	75
25) HEXANE	2.901	41	884	0.045	PPBV #	16
27) CHLOROFORM	2.917	83	133516	3.498	PPBV	99
28) TETRAHYDROFURAN	3.071	42	3991	0.165	PPBV #	24
29) 1,2-DICHLOROETHANE	3.158	62	369	0.014	PPBV #	70
31) 1,1,1-TRICHLOROETHANE	3.250	97	5342	0.131	PPBV	93
32) BENZENE	3.405	78	1520	0.026	PPBV	75
33) CARBON TETRACHLORIDE	3.458	117	1171	0.029	PPBV	86
34) CYCLOHEXANE	3.500	84	567	0.023	PPBV #	67
39) METHYLMETHACRYLATE	3.882	69	1433	0.071	PPBV #	34
40) HEPTANE	3.923	57	987	0.054	PPBV #	65
46) TOLUENE	4.489	91	2147	0.031	PPBV	97
50) TETRACHLOROETHENE	4.939	166	1724	0.057	PPBV	95
53) M/P-XYLENE	5.460	91	970	0.014	PPBV	84
55) STYRENE	5.613	104	1688	0.035	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	1335	0.018	PPBV #	71
75] CHLOROFORM (SIM)	2.920	83	138958	3.408	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.161	62	402	0.015	PPBV	92
78] CARBON TETRACHLORIDE (...	3.461	117	976	0.022	PPBV	98

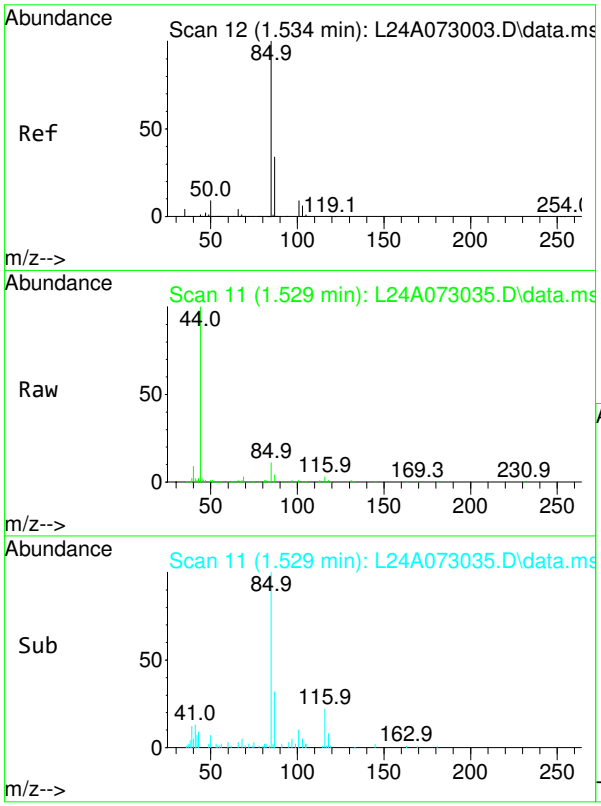
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073035.D Vial: 31
Acq On : 14 Mar 2024 03:31 am Operator: CMR
Sample : 24C0251-10 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:06 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073035.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



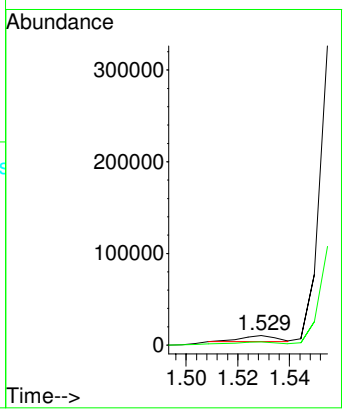


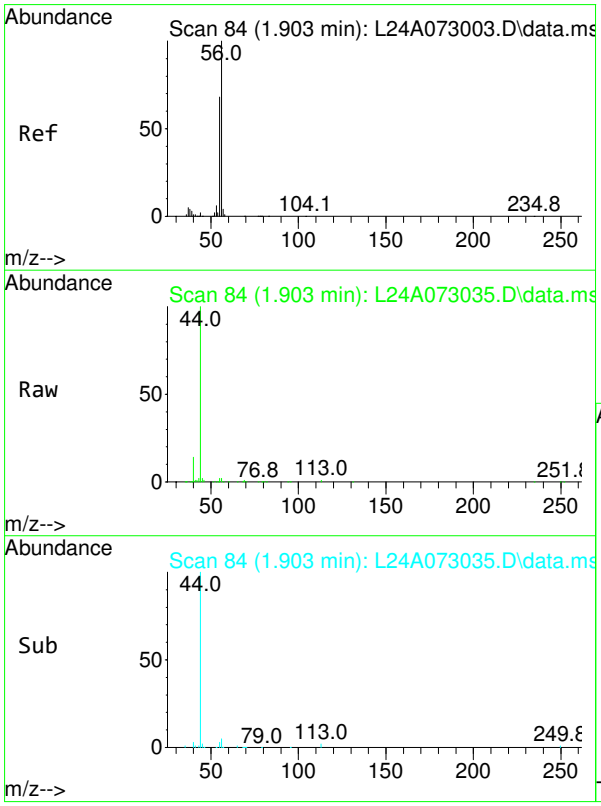


#3
DICHLORODIFLUOROMETHANE
Concen: 0.13 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 85 Resp: 5913

Ion	Ratio	Lower	Upper
85	100		
87	29.3	12.0	52.0

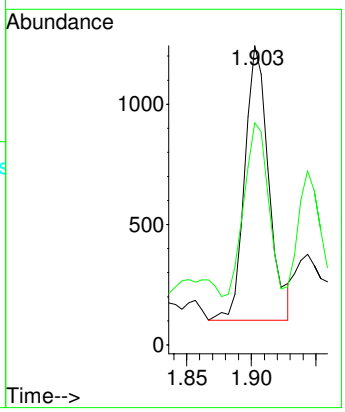


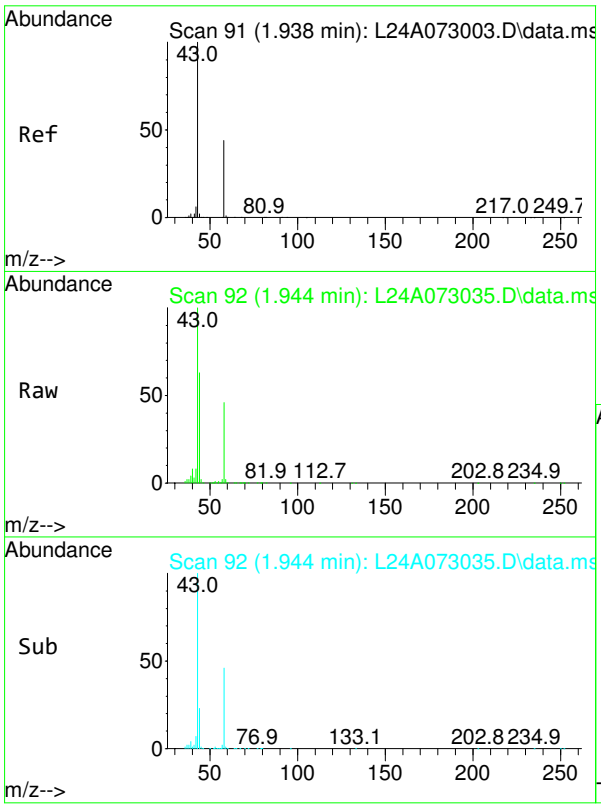


#10
ACROLEIN
Concen: 0.17 PPBV
RT: 1.903 min Scan# 84
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 56 Resp: 1465

Ion	Ratio	Lower	Upper
56	100		
55	63.3	51.4	91.4

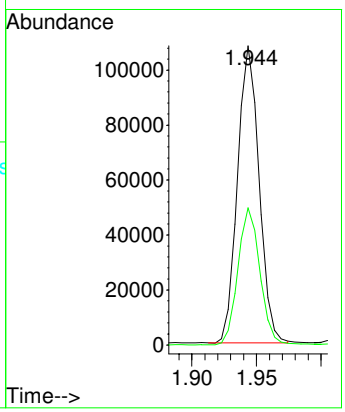


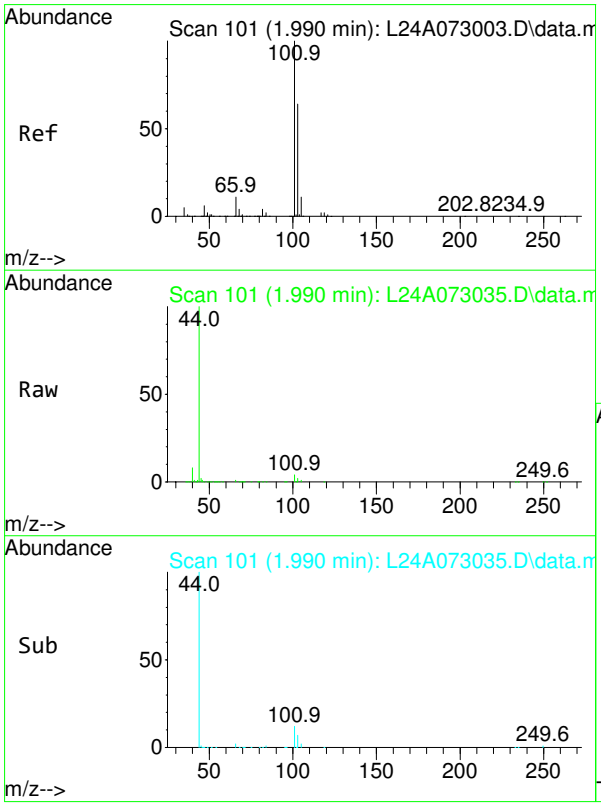


#11
ACETONE
Concen: 4.21 PPBV
RT: 1.944 min Scan# 92
Delta R.T. 0.005 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 43 Resp: 125236

Ion	Ratio	Lower	Upper
43	100		
58	47.1	13.1	53.1

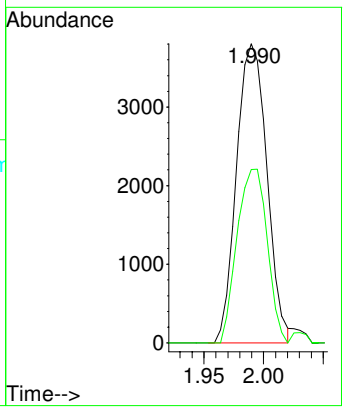


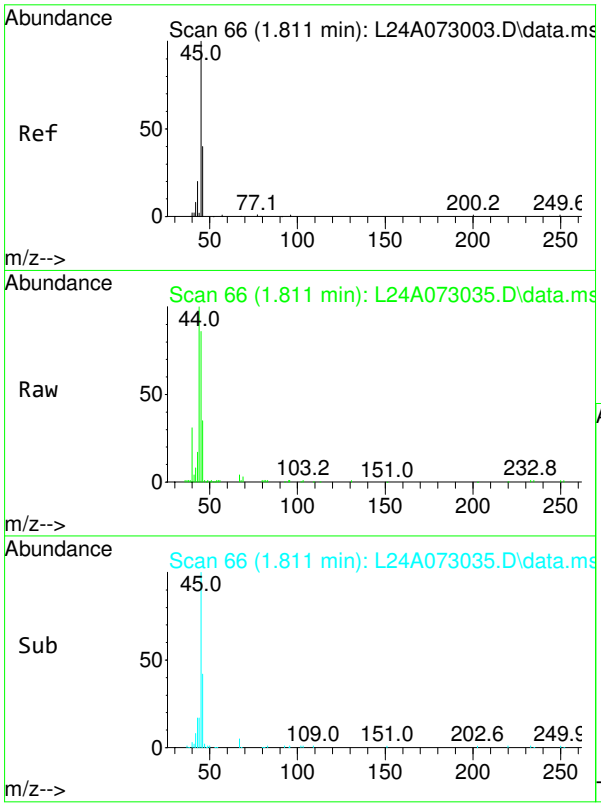


#12
TRICHLOROFLUOROMETHANE
Concen: 0.14 PPBV
RT: 1.990 min Scan# 101
Delta R.T. 0.003 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:101 Resp: 6701

Ion	Ratio	Lower	Upper
101	100		
103	57.5	44.7	84.7

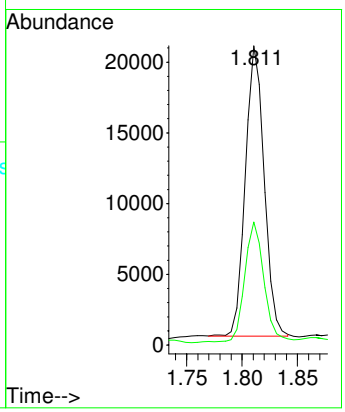


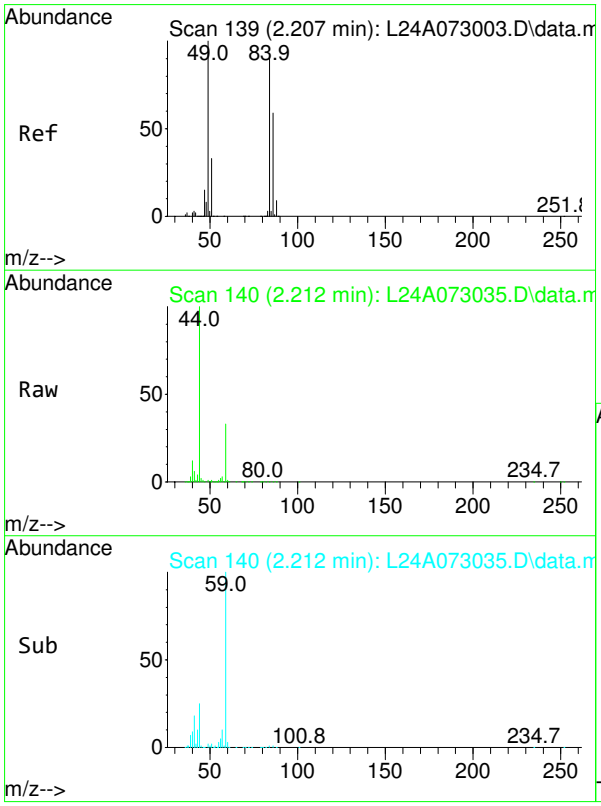


#13
ETHANOL
Concen: 5.28 PPBV
RT: 1.811 min Scan# 66
Delta R.T. 0.003 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 45 Resp: 24259

Ion	Ratio	Lower	Upper
45	100		
46	41.7	20.5	60.5

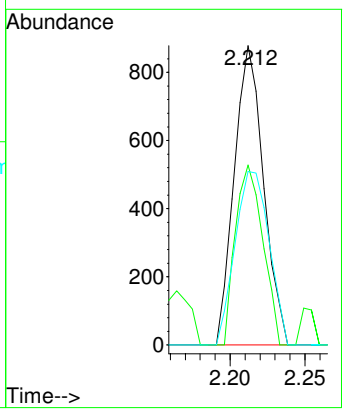


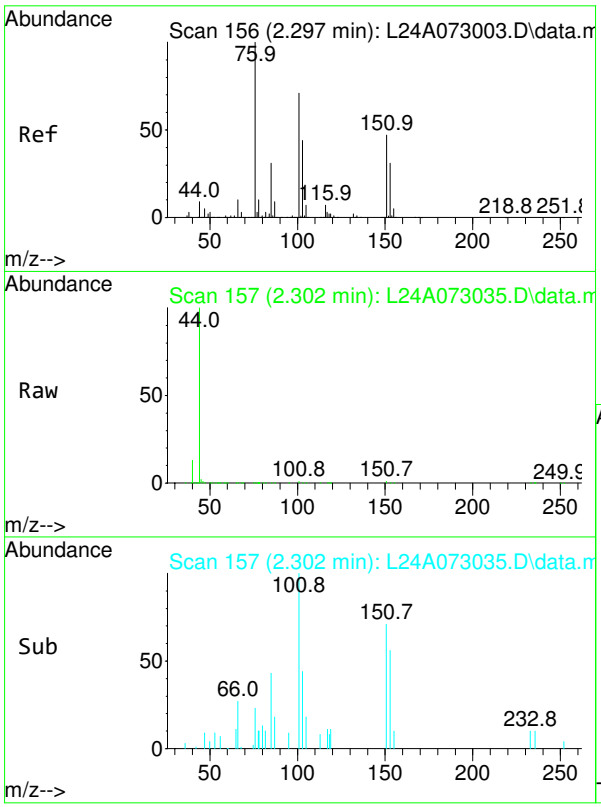


#15
METHYLENE CHLORIDE
Concen: 0.05 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 49 Resp: 1192

Ion	Ratio	Lower	Upper
49	100		
84	56.5	52.0	92.0
86	67.4	27.3	67.3#

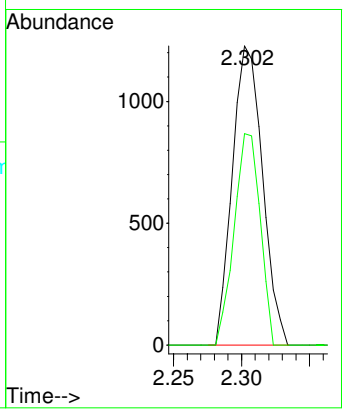


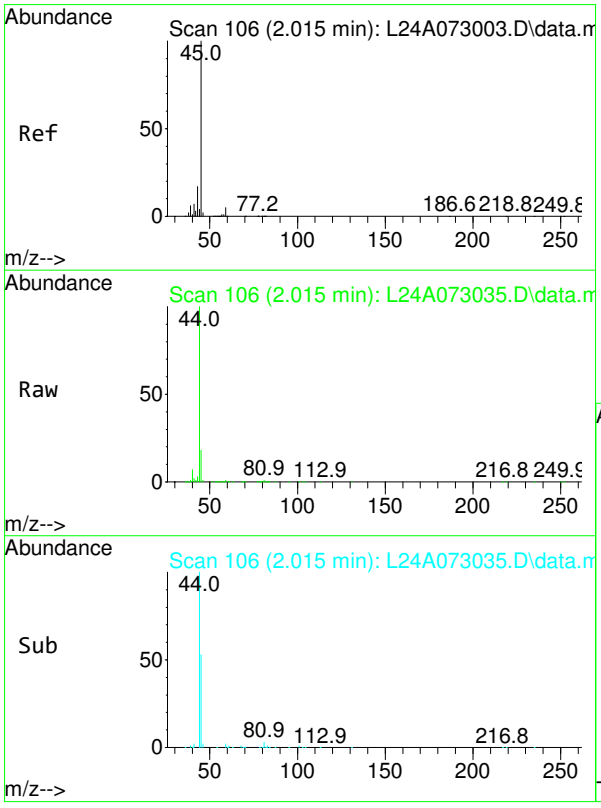


#16
FREON 113
Concen: 0.05 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:101 Resp: 1898

Ion	Ratio	Lower	Upper
101	100		
151	60.7	52.3	92.3

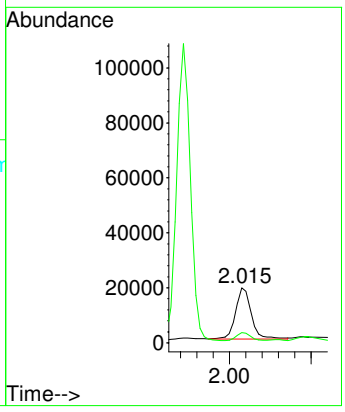


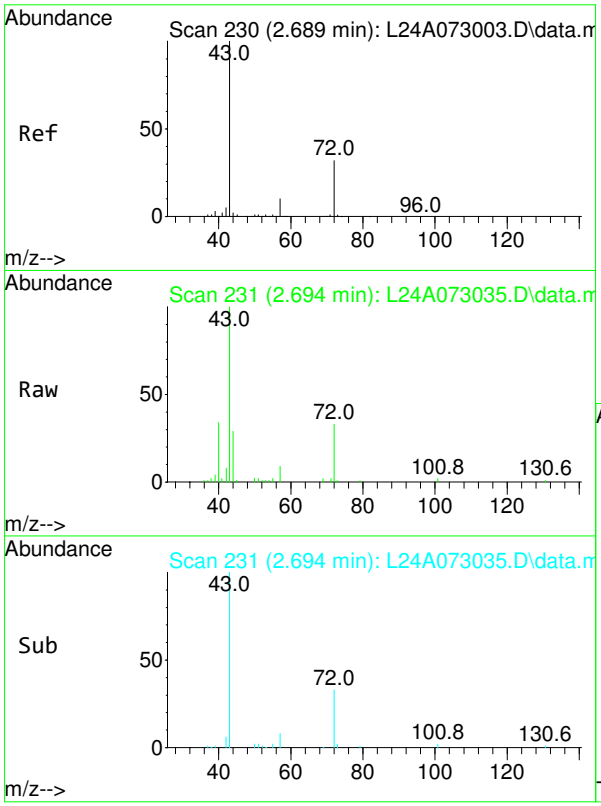


#21
IPA
Concen: 0.77 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 45 Resp: 24113

Ion	Ratio	Lower	Upper
45	100		
43	14.7	0.0	39.3

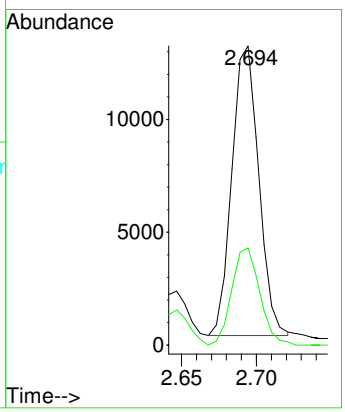


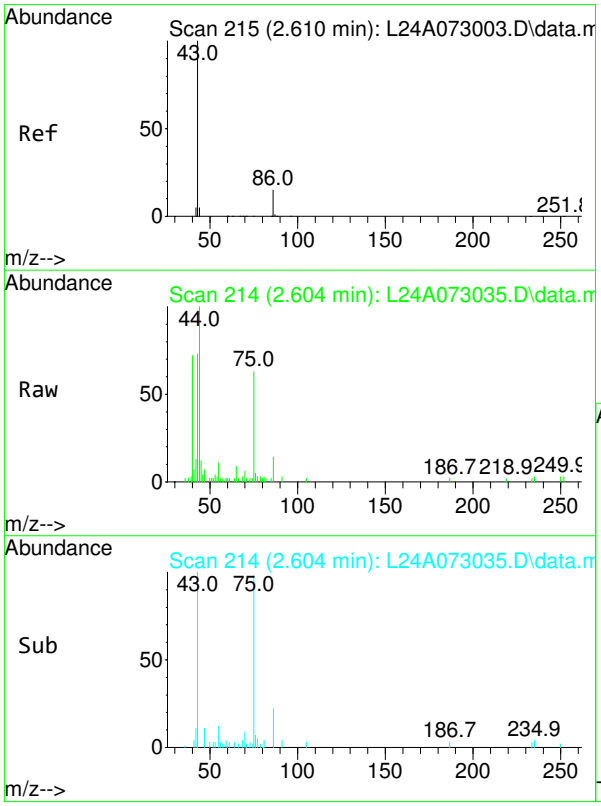


#22
2-BUTANONE(MEK)
Concen: 0.44 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 43 Resp: 15970

Ion	Ratio	Lower	Upper
43	100		
72	34.9	5.6	45.6

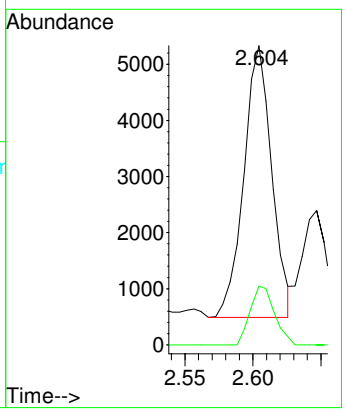


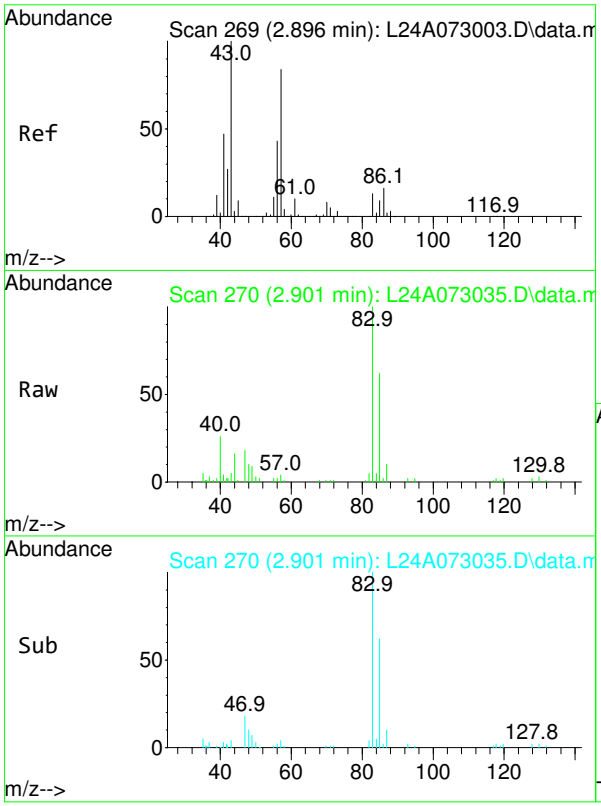


#24
VINYL ACETATE
Concen: 0.18 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 43 Resp: 6911

Ion	Ratio	Lower	Upper
43	100		
86	18.8	0.0	19.5

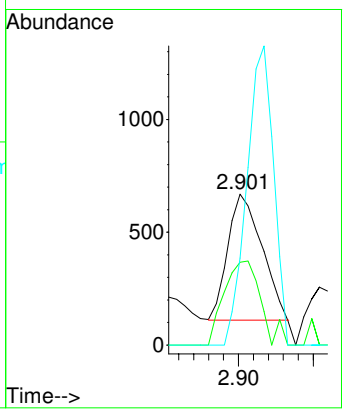


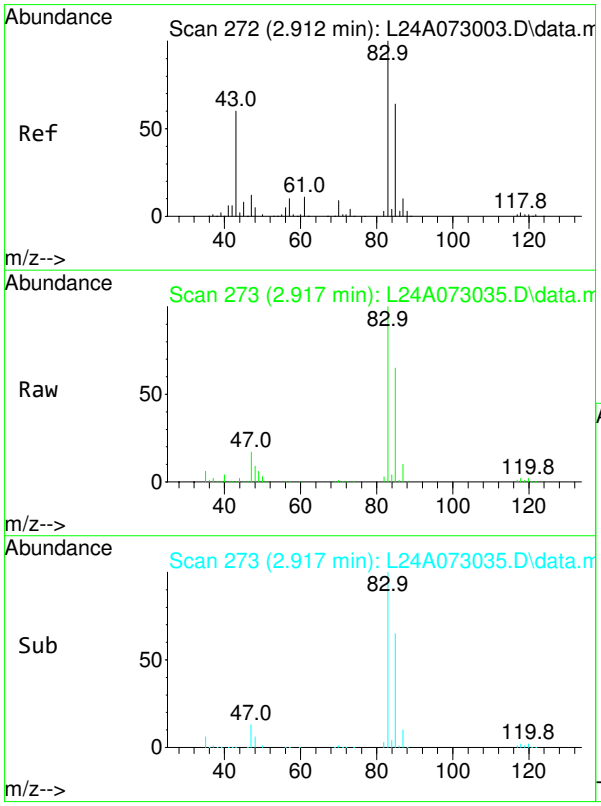


#25
HEXANE
Concen: 0.04 PPBV
RT: 2.901 min Scan# 270
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 41 Resp: 884

Ion	Ratio	Lower	Upper
41	100		
56	71.4	52.3	92.3
86	186.7	16.1	36.1#

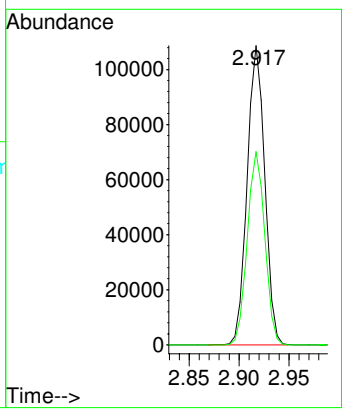


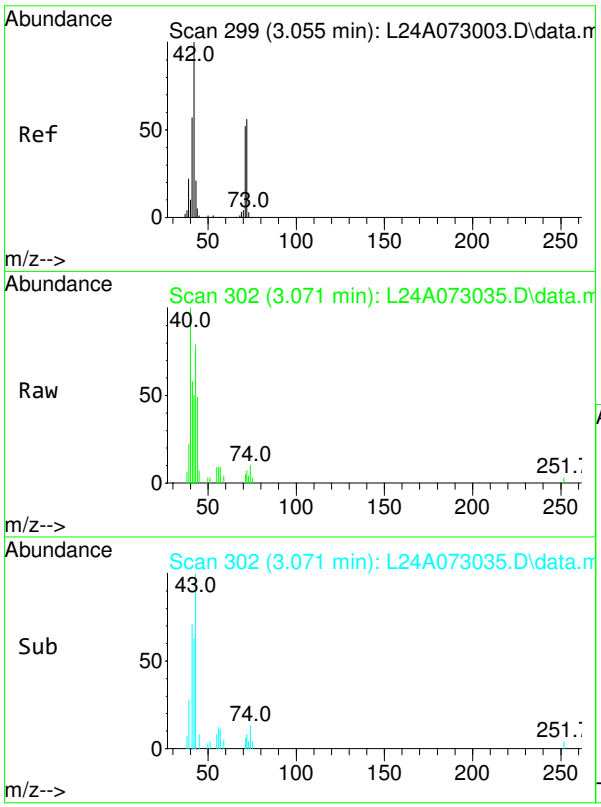


#27
CHLOROFORM
Concen: 3.50 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 83 Resp: 133516

Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.8	84.8

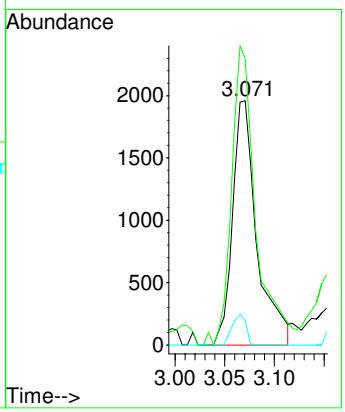


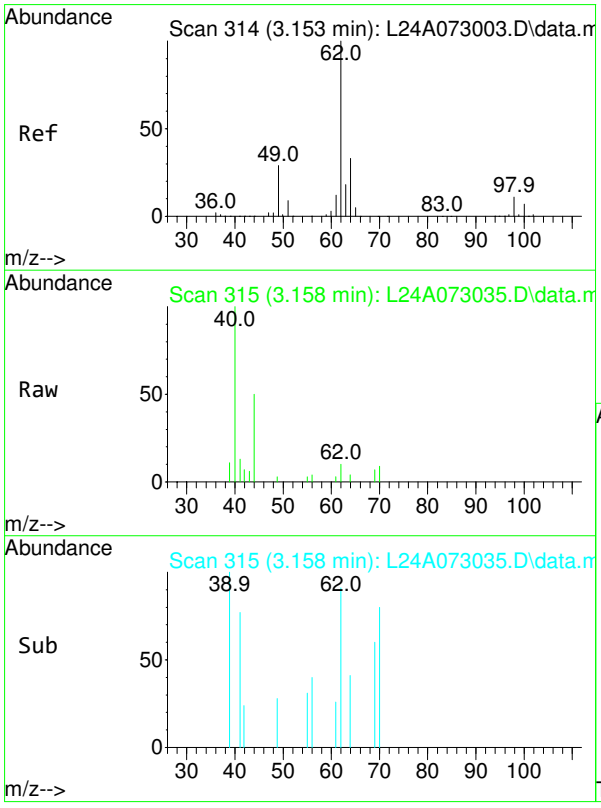


#28
TETRAHYDROFURAN
Concen: 0.17 PPBV
RT: 3.071 min Scan# 302
Delta R.T. 0.020 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 42 Resp: 3991

Ion	Ratio	Lower	Upper
42	100		
41	117.7	33.5	73.5#
71	5.9	24.0	64.0#

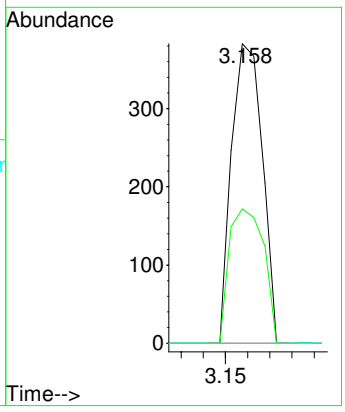


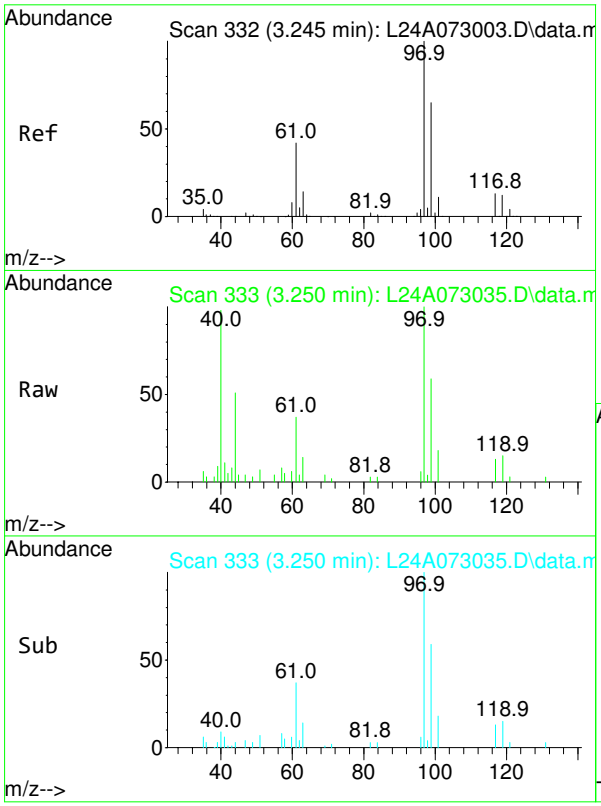


#29
1,2-DICHLOROETHANE
Concen: 0.01 PPBV
RT: 3.158 min Scan# 315
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 62 Resp: 369

Ion	Ratio	Lower	Upper
62	100		
64	50.4	13.0	53.0
98	0.0	0.0	19.3

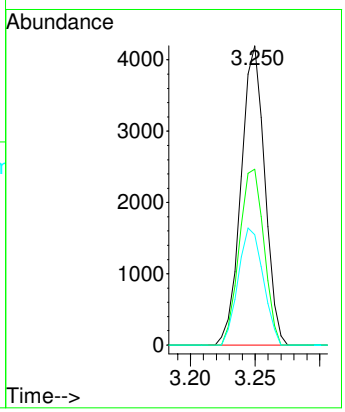


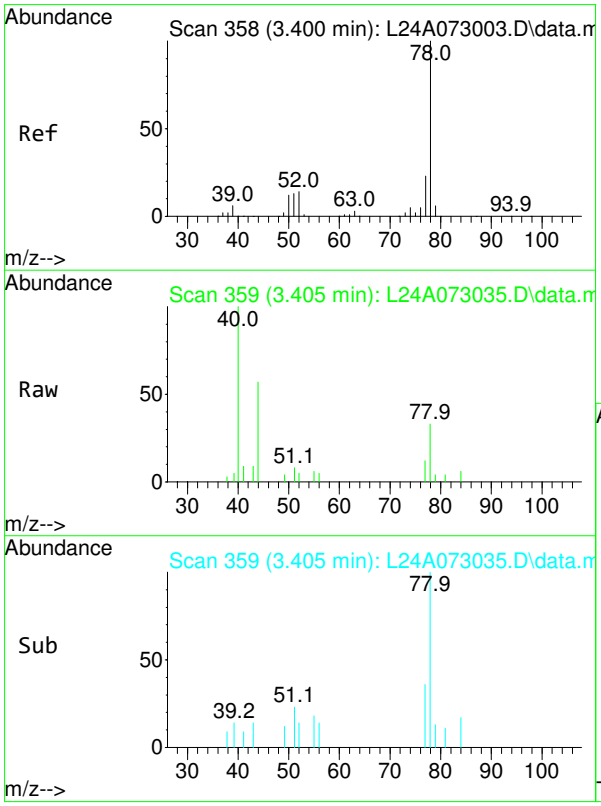


#31
1,1,1-TRICHLOROETHANE
Concen: 0.13 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 97 Resp: 5342

Ion	Ratio	Lower	Upper
97	100		
99	61.0	45.3	85.3
61	41.3	28.1	68.1

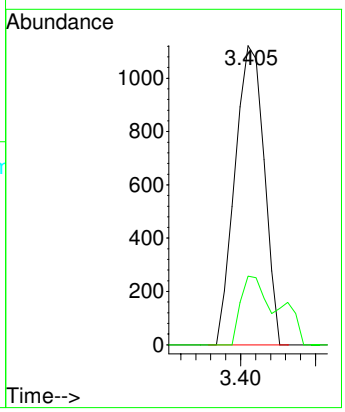


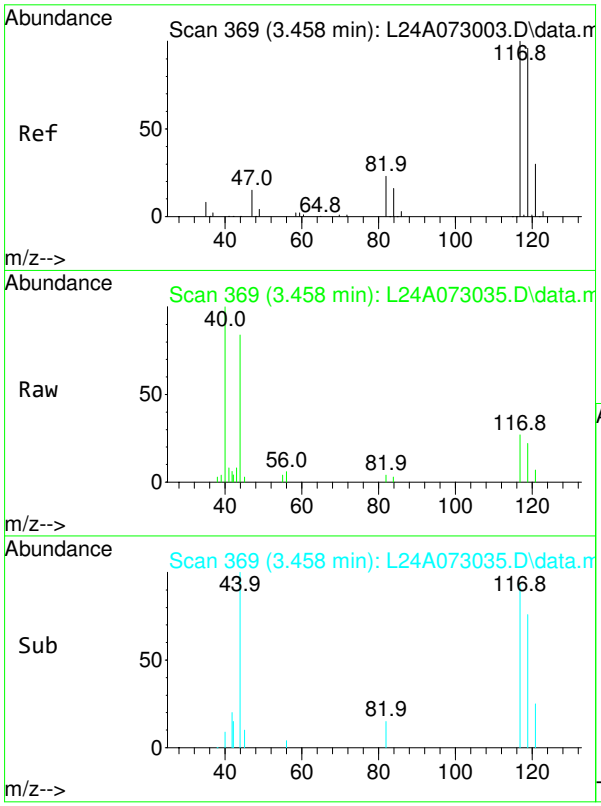


#32
BENZENE
Concen: 0.03 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 78 Resp: 1520

Ion	Ratio	Lower	Upper
78	100		
51	28.7	0.0	37.7

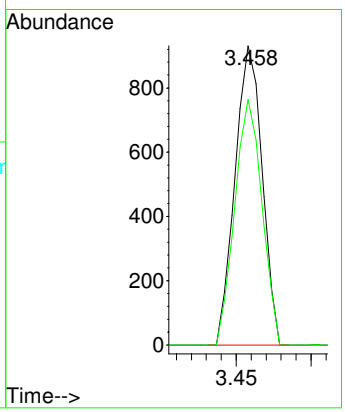


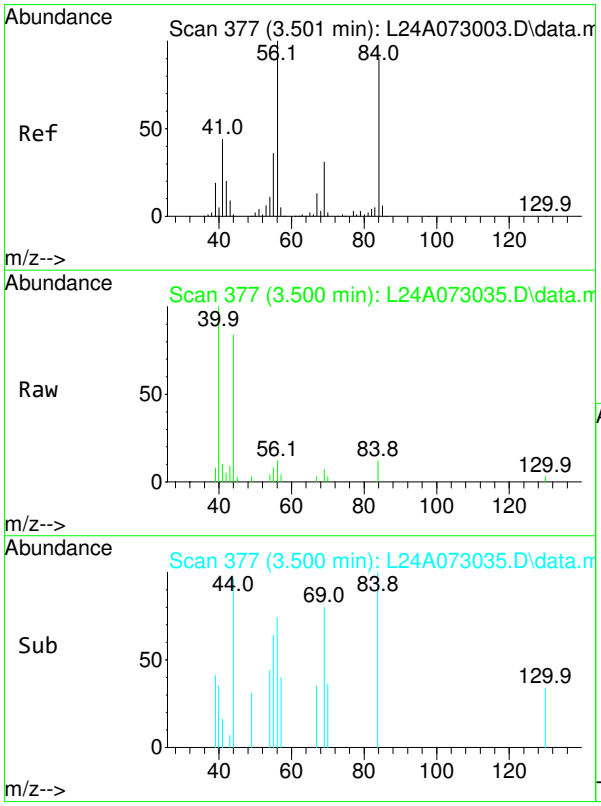


#33
CARBON TETRACHLORIDE
Concen: 0.03 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:117 Resp: 1171

Ion	Ratio	Lower	Upper
117	100		
119	82.2	75.3	115.3

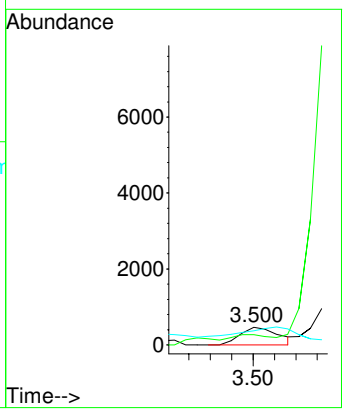


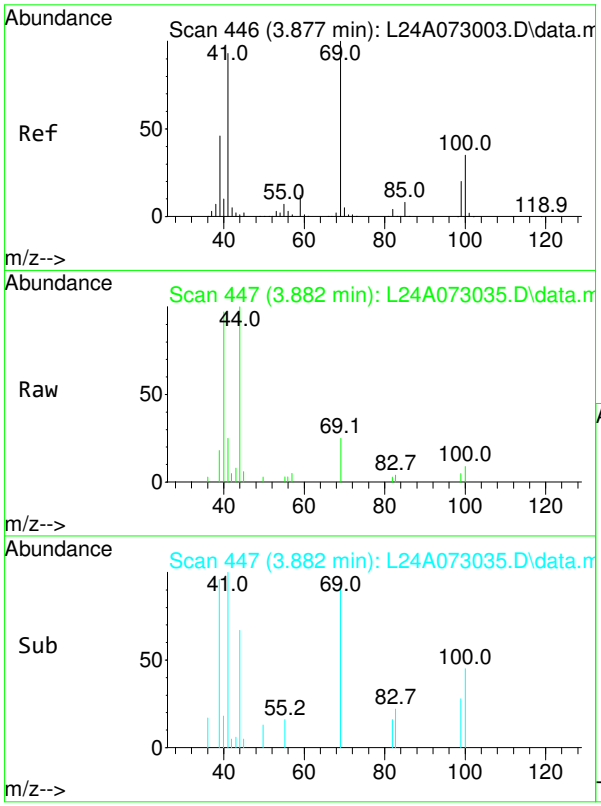


#34
CYCLOHEXANE
Concen: 0.02 PPBV
RT: 3.500 min Scan# 377
Delta R.T. -0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 84 Resp: 567

Ion	Ratio	Lower	Upper
84	100		
69	34.4	17.7	57.7
41	102.6	44.6	84.6#

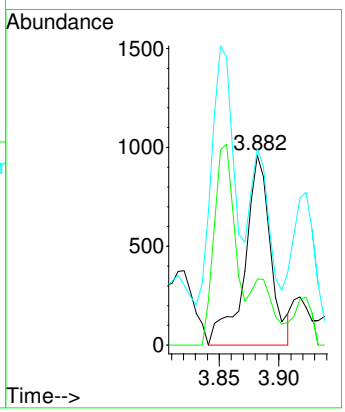


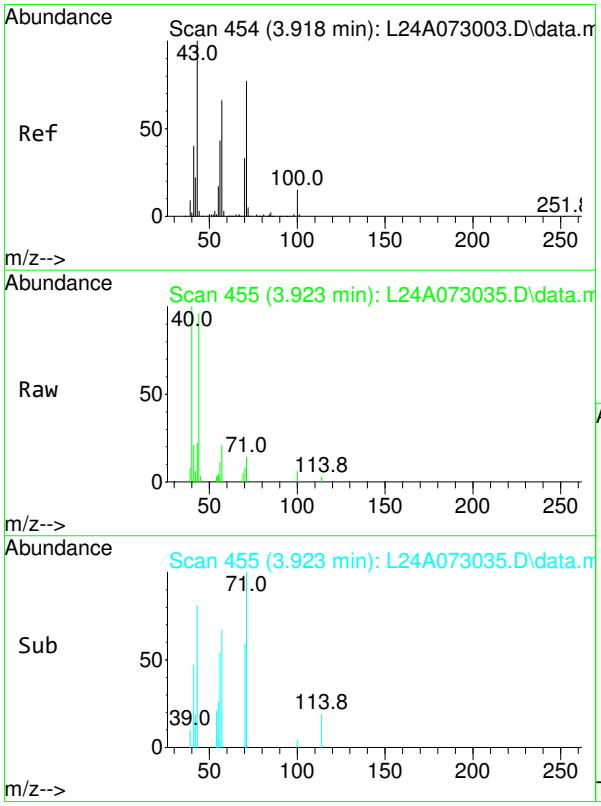


#39
METHYLMETHACRYLATE
Concen: 0.07 PPBV
RT: 3.882 min Scan# 447
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 69 Resp: 1433

Ion	Ratio	Lower	Upper
69	100		
100	0.0	18.0	58.0#
41	47.5	102.8	142.8#

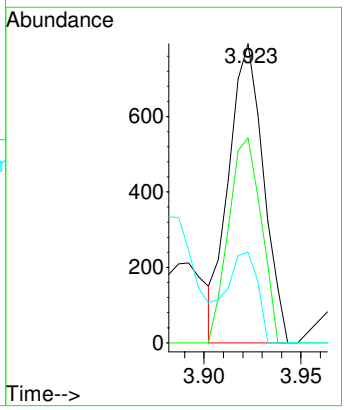


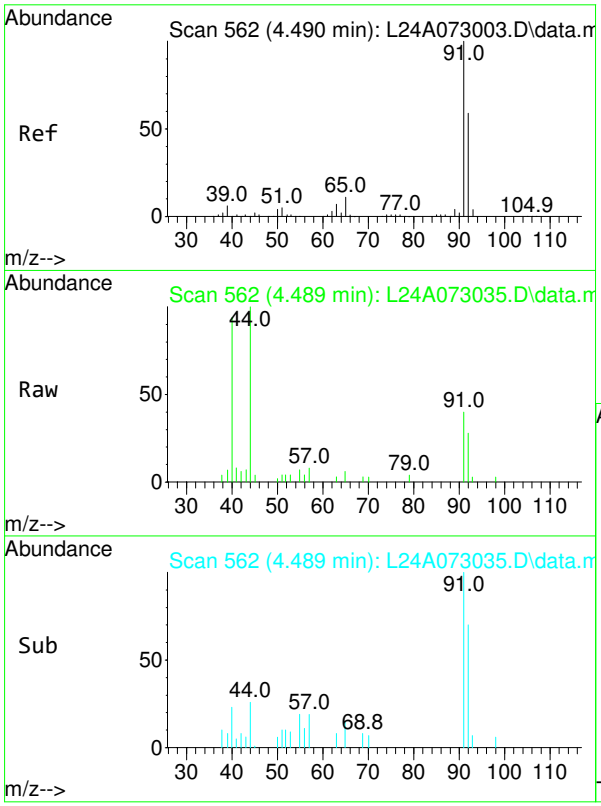


#40
HEPTANE
Concen: 0.05 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 57 Resp: 987

Ion	Ratio	Lower	Upper
57	100		
71	64.2	87.9	127.9#
100	27.8	4.4	44.4

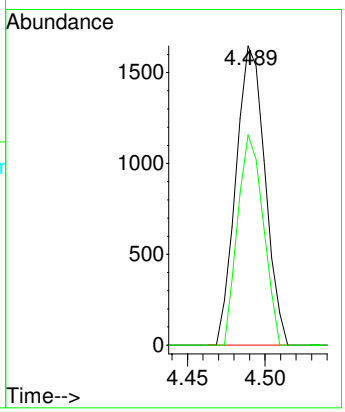


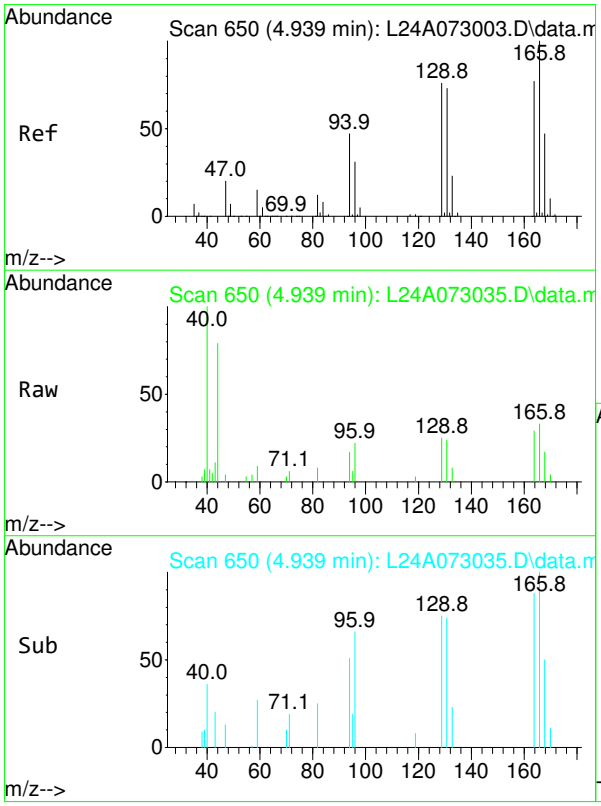


#46
TOLUENE
Concen: 0.03 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 91 Resp: 2147

Ion	Ratio	Lower	Upper
91	100		
92	61.5	39.1	79.1

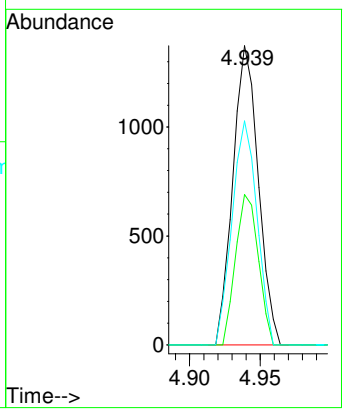


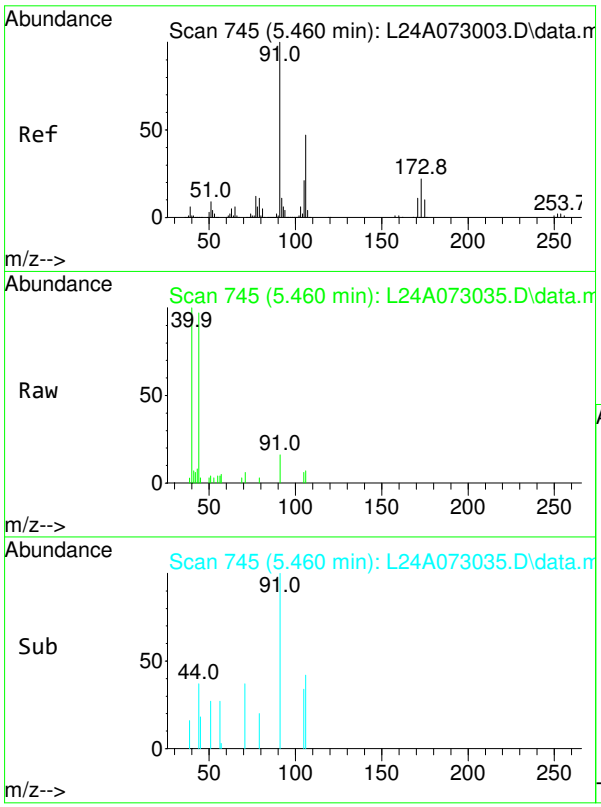


#50
TETRACHLOROETHENE
Concen: 0.06 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:166 Resp: 1724

Ion	Ratio	Lower	Upper
166	100		
168	45.0	28.8	68.8
129	73.1	56.6	96.6

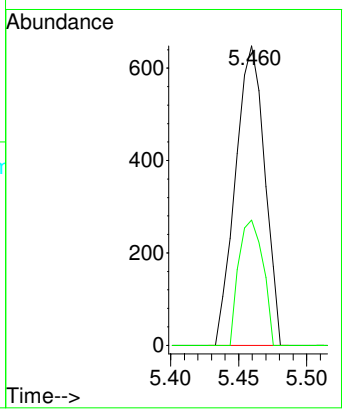


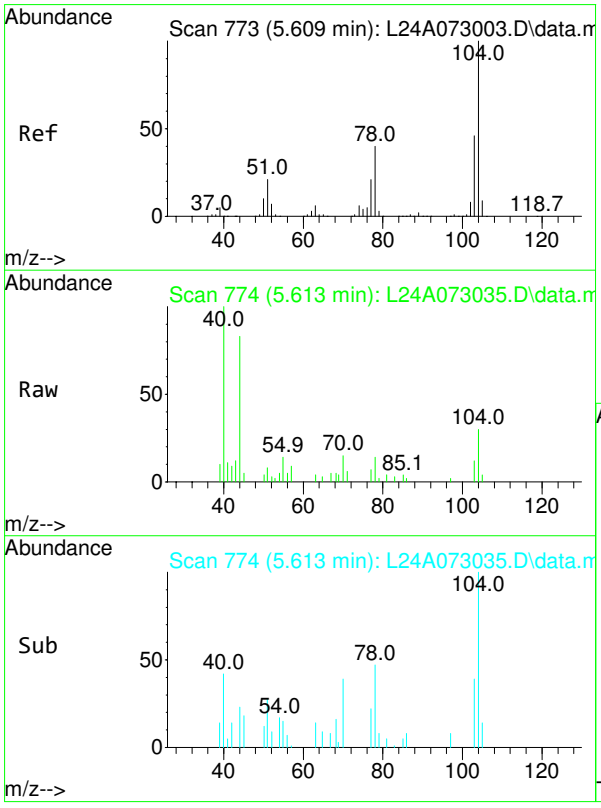


#53
M/P-XYLENE
Concen: 0.01 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 91 Resp: 970

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.9	64.9

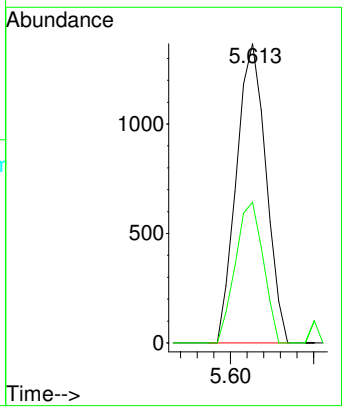


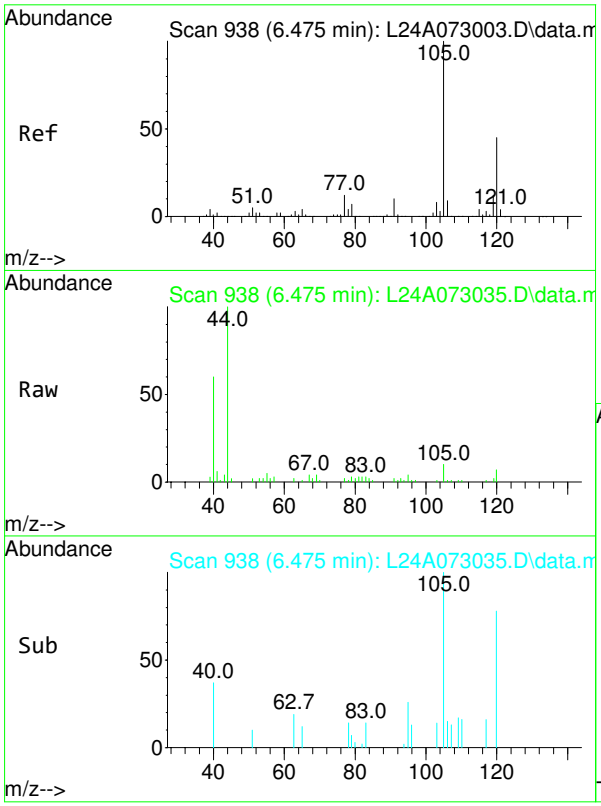


#55
STYRENE
Concen: 0.03 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:104 Resp: 1688

Ion	Ratio	Lower	Upper
104	100		
78	44.3	24.7	64.7

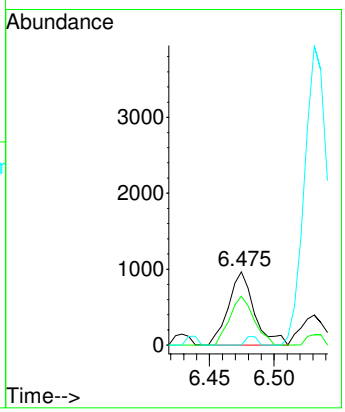


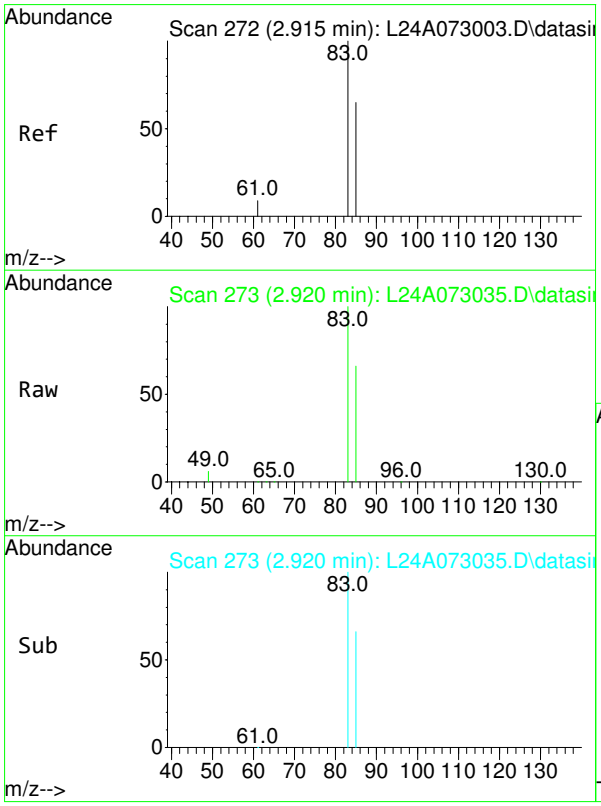


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.475 min Scan# 938
Delta R.T. -0.008 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:105 Resp: 1335

Ion	Ratio	Lower	Upper
105	100		
120	62.8	24.0	64.0
207	0.0	0.0	20.0

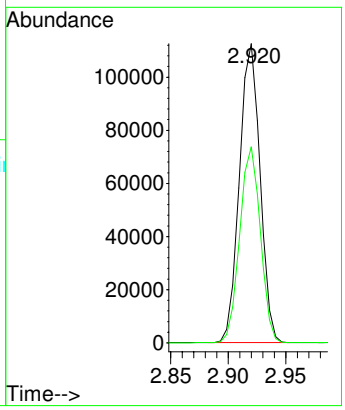


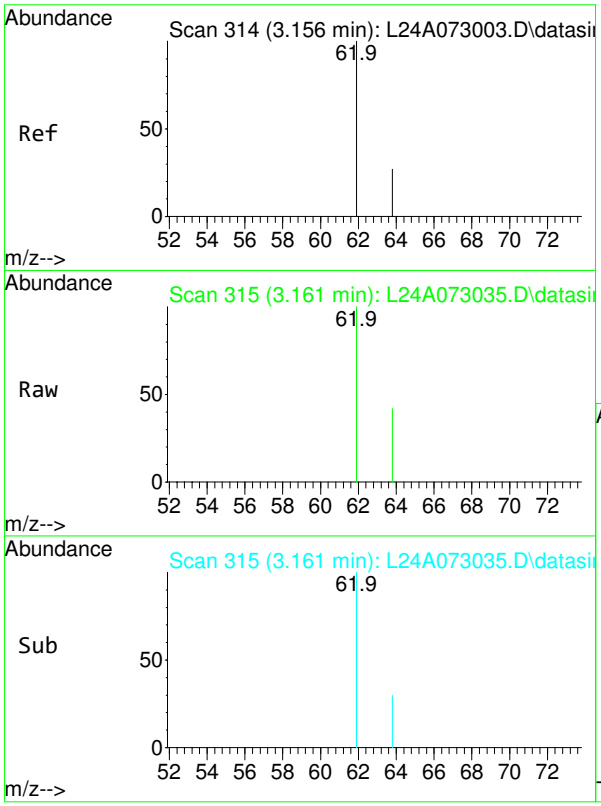


#75
CHLOROFORM (SIM)
Concen: 3.41 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 83 Resp: 138958

Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.0	85.0

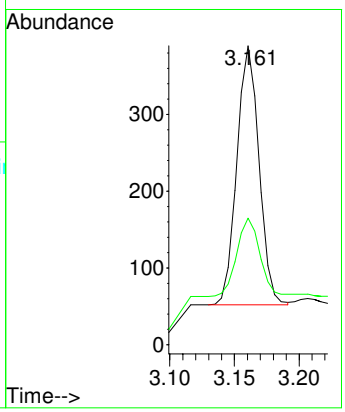


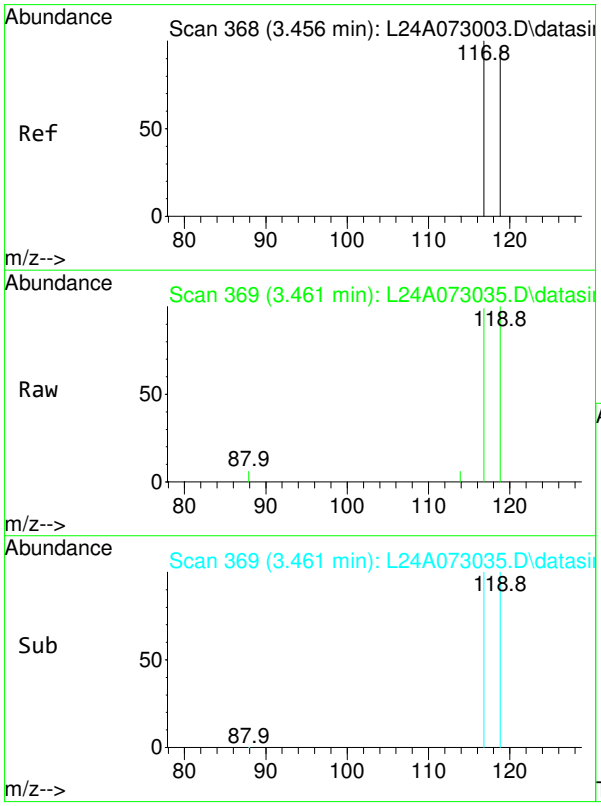


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 3.161 min Scan# 315
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 62 Resp: 402

Ion	Ratio	Lower	Upper
62	100		
64	31.3	7.0	47.0

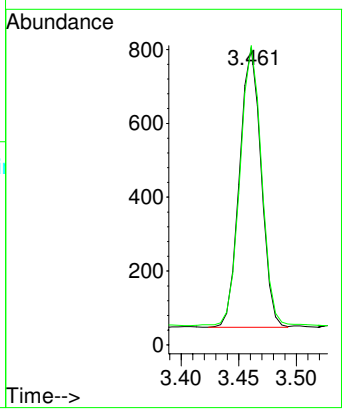




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:117 Resp: 976

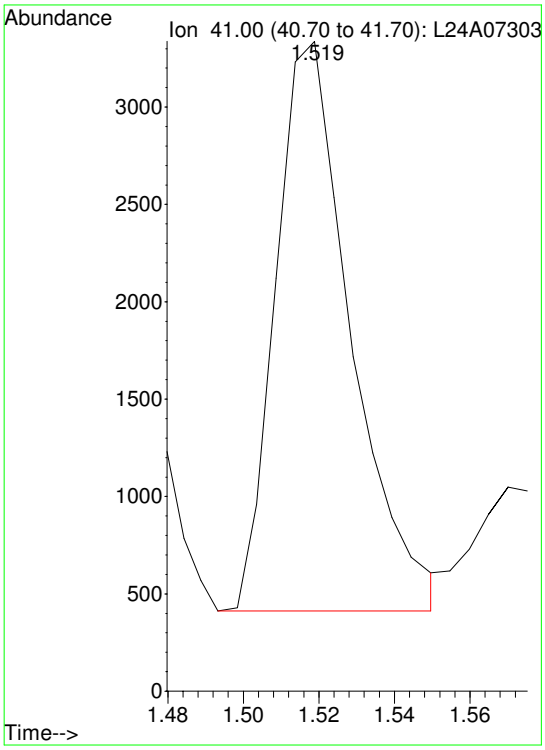
Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

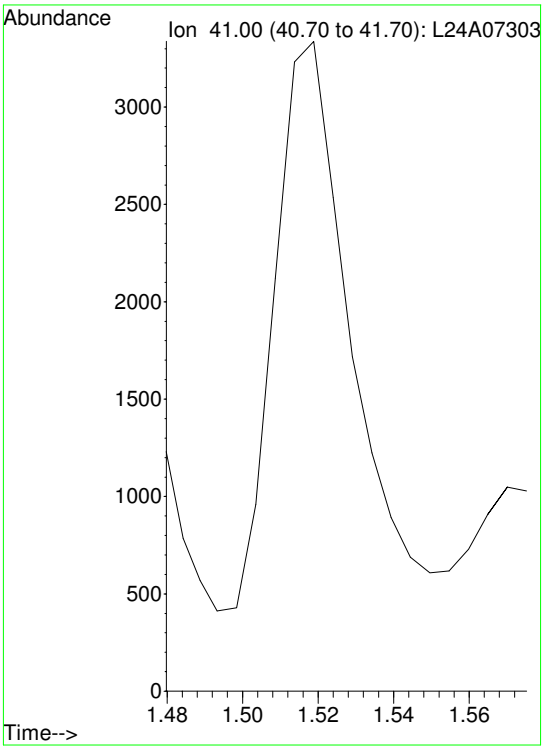
RT : 1.52
Area : 4057
Amount: 0.375399

Manual Int. Results

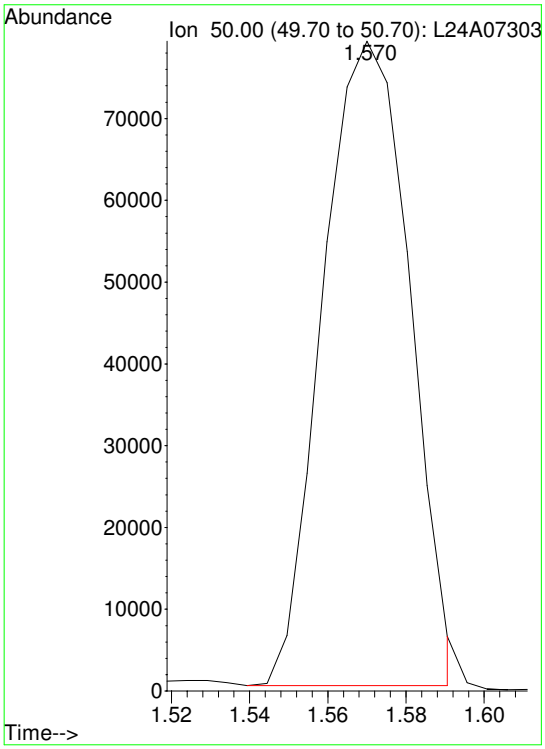
Fri Mar 15 11:20:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

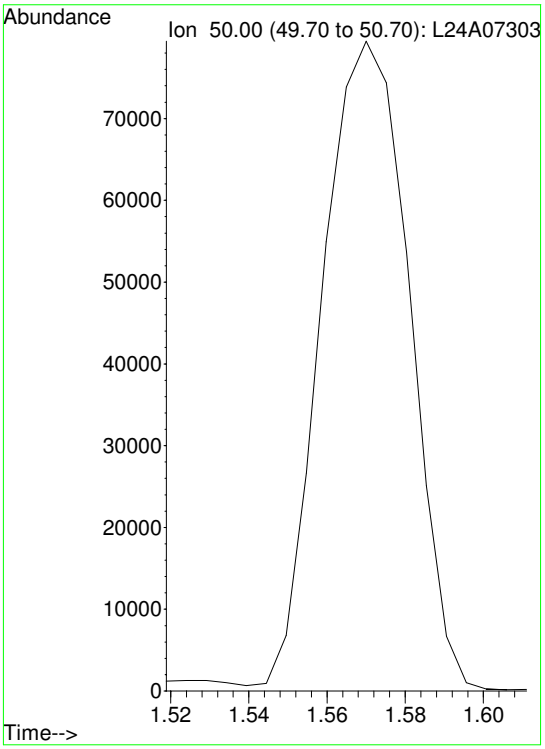
RT : 1.57
Area : 121630
Amount: 7.51706

Manual Int. Results

Fri Mar 15 11:21:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

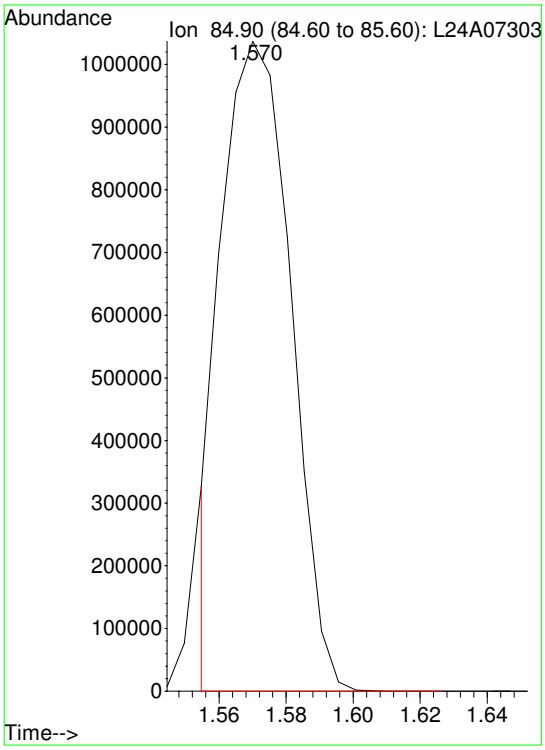
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

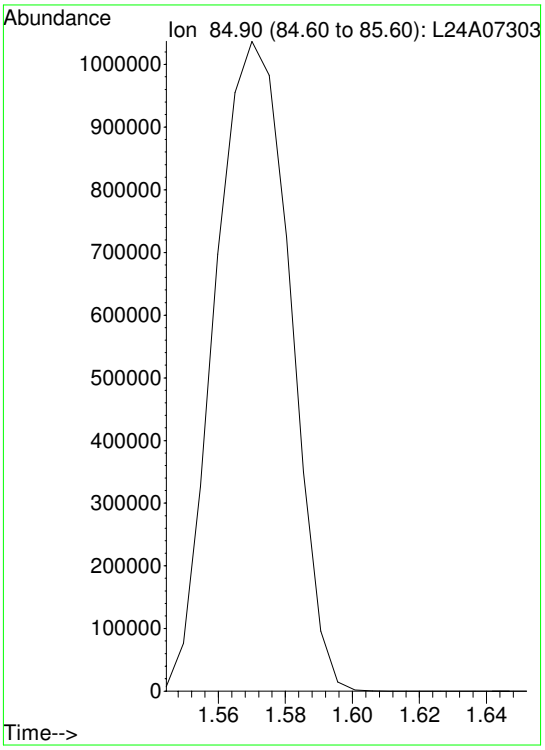
RT : 1.57
Area : 1.49313e+006
Amount: 31.5484

Manual Int. Results

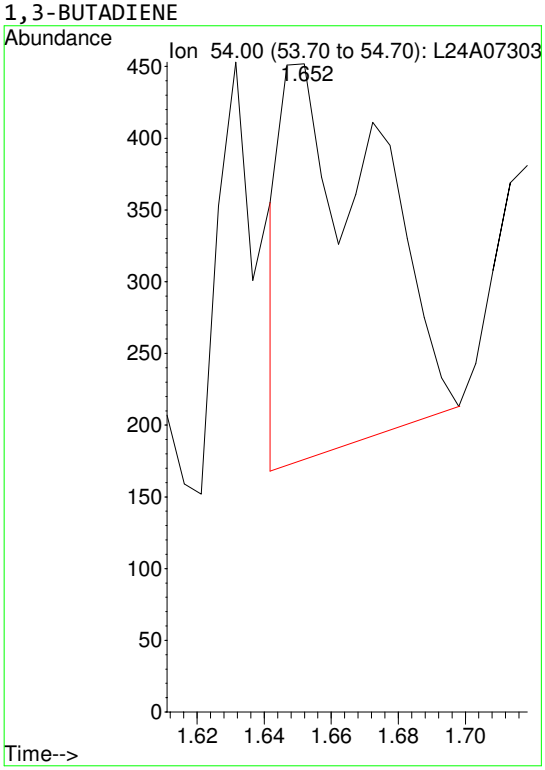
Fri Mar 15 11:21:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

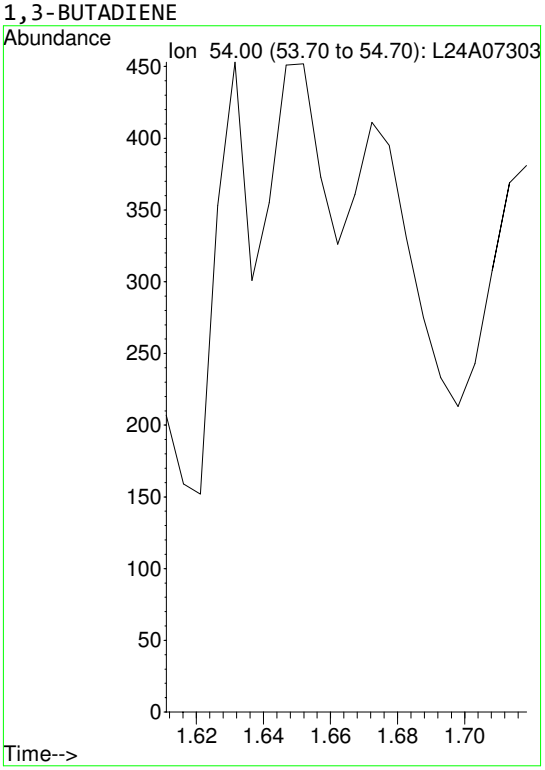
RT : 1.65
Area : 529
Amount: 0.0361932

Manual Int. Results

Fri Mar 15 11:21:16 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

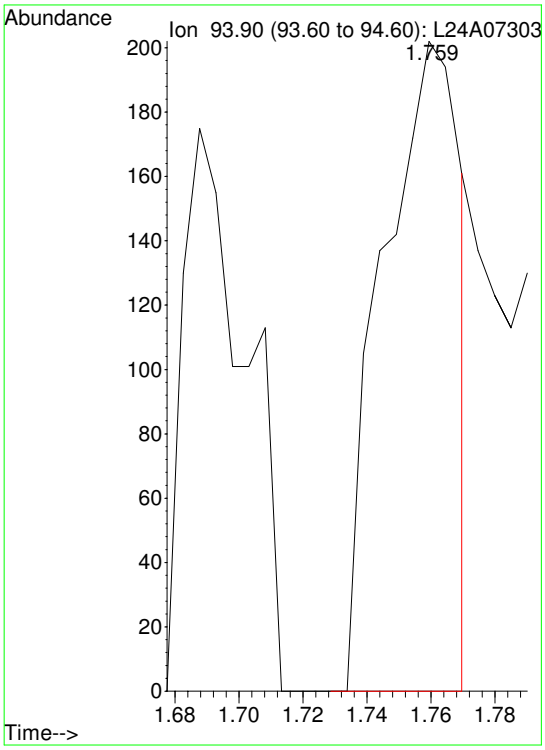
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

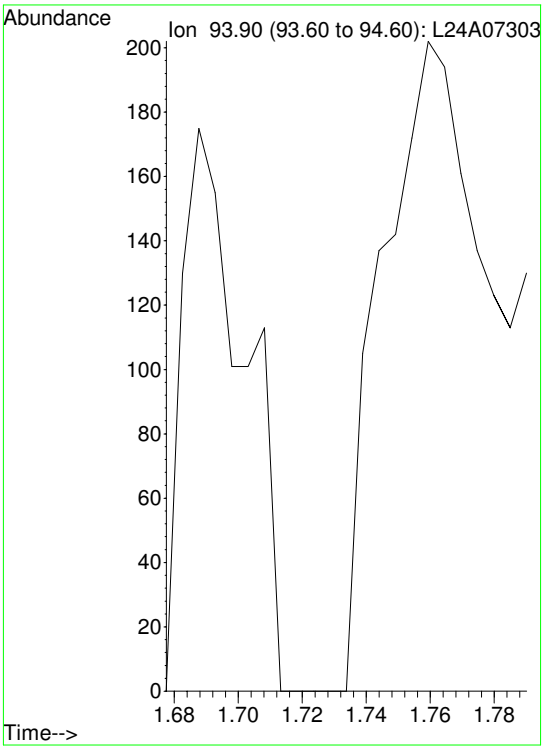
RT : 1.76
Area : 342
Amount: 0.0204422

Manual Int. Results

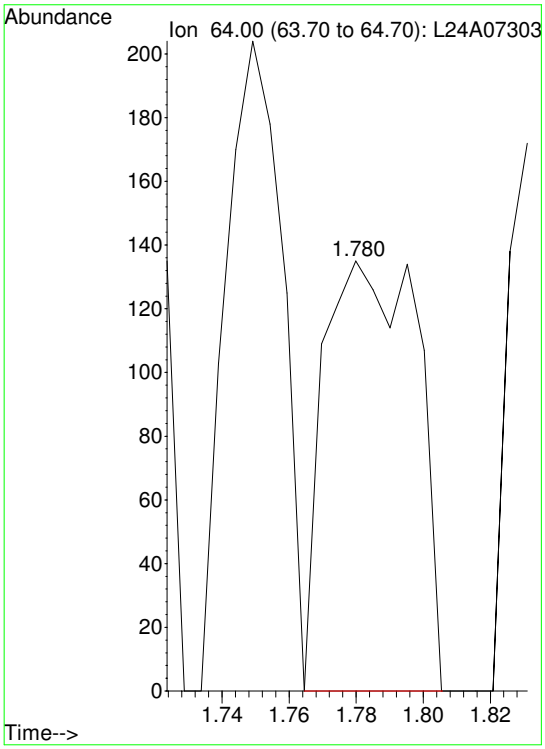
Fri Mar 15 11:21:20 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

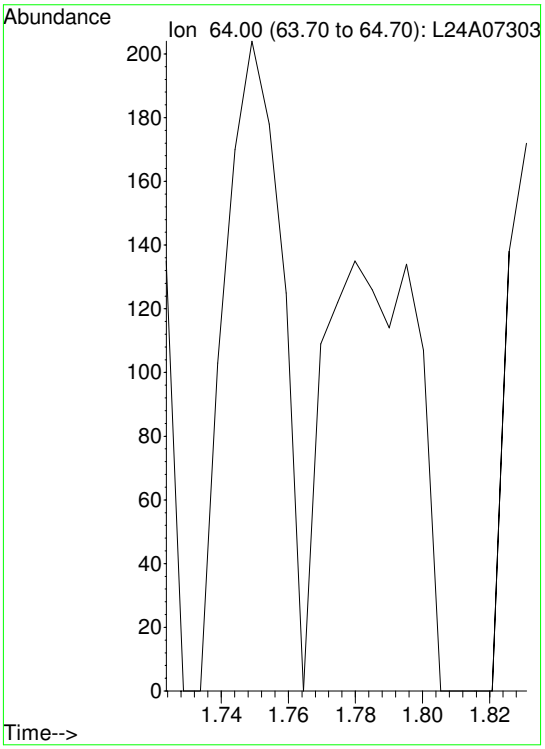
RT : 1.78
Area : 260
Amount: 0.0238111

Manual Int. Results

Fri Mar 15 11:21:23 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

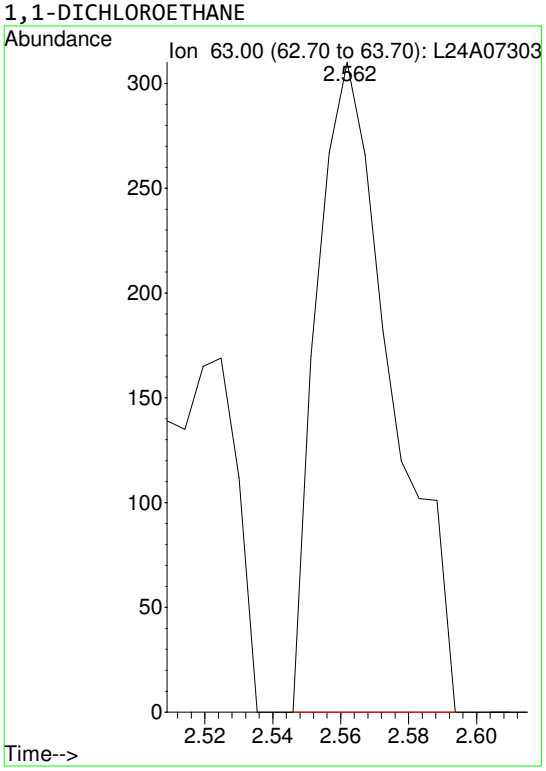
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

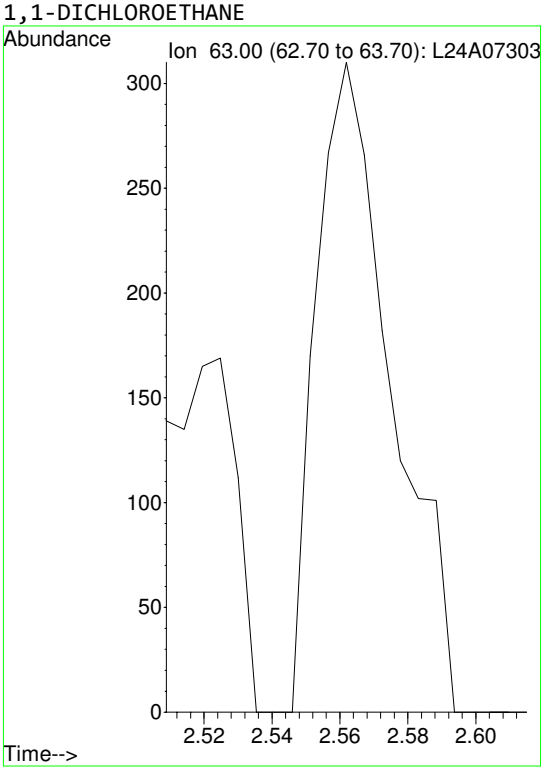
RT : 2.56
Area : 483
Amount: 0.0130765

Manual Int. Results

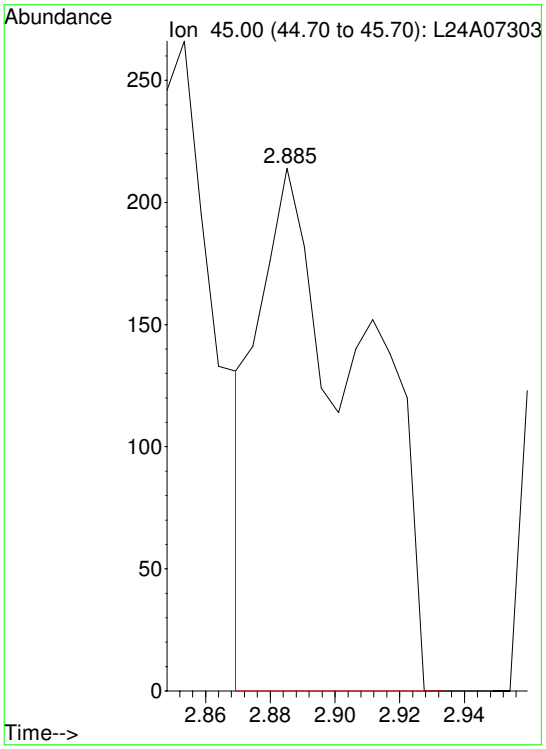
Fri Mar 15 11:21:35 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

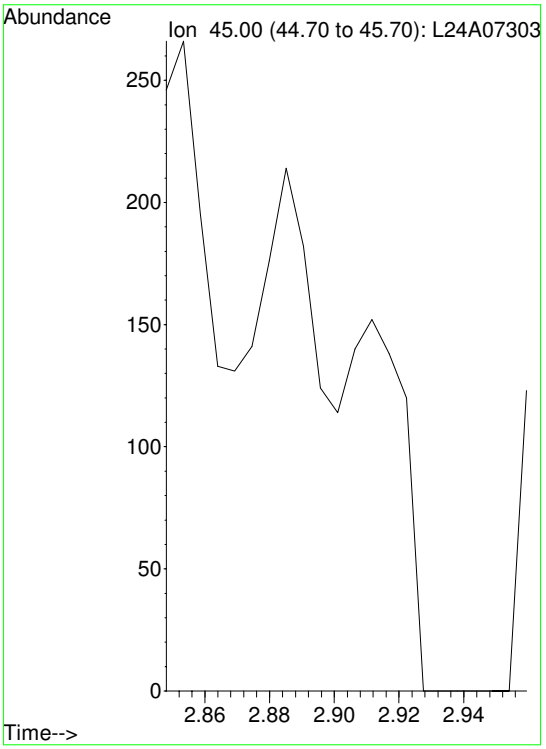
RT : 2.89
Area : 477
Amount: 0.0752542

Manual Int. Results

Fri Mar 15 11:21:44 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

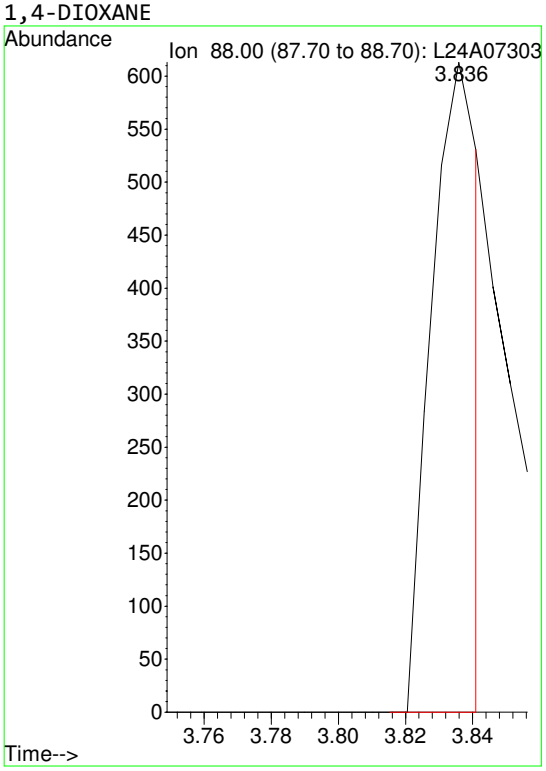
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

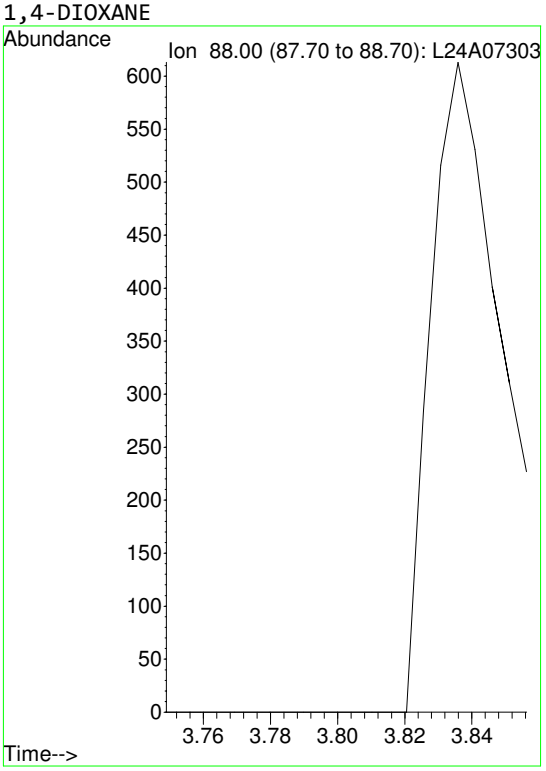
RT : 3.84
Area : 596
Amount: 0.0426483

Manual Int. Results

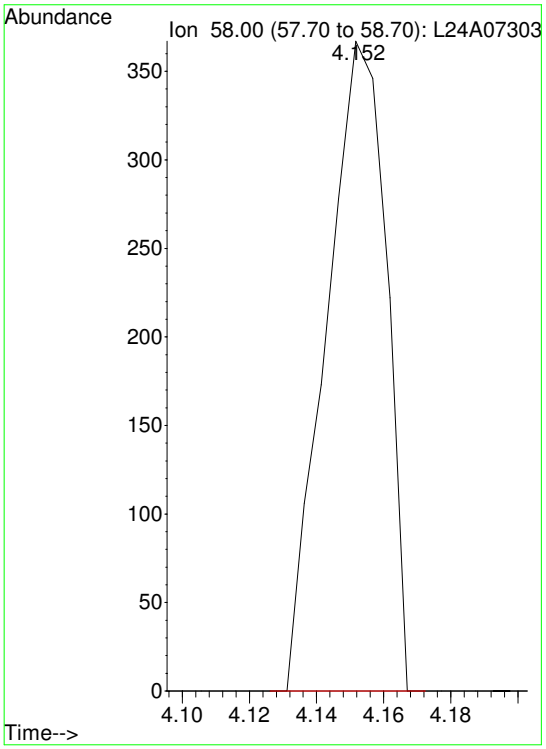
Fri Mar 15 11:21:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

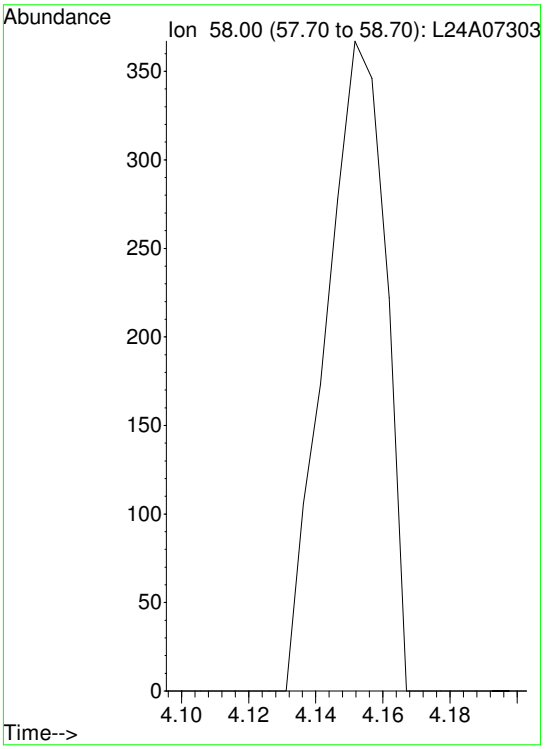
RT : 4.15
Area : 458
Amount: 0.023658

Manual Int. Results

Fri Mar 15 11:22:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

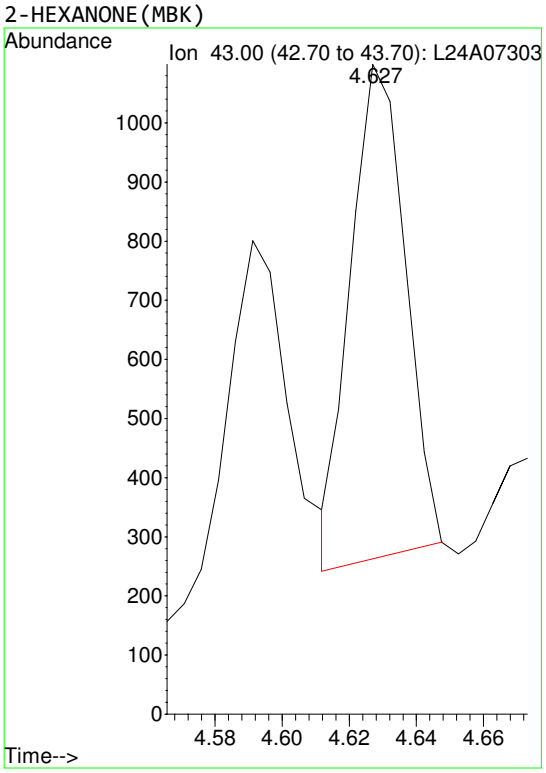
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

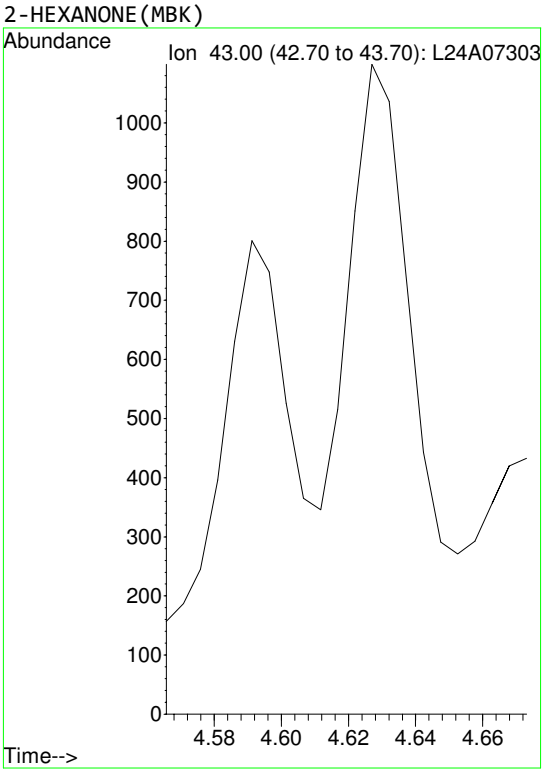
RT : 4.63
Area : 952
Amount: 0.0217701

Manual Int. Results

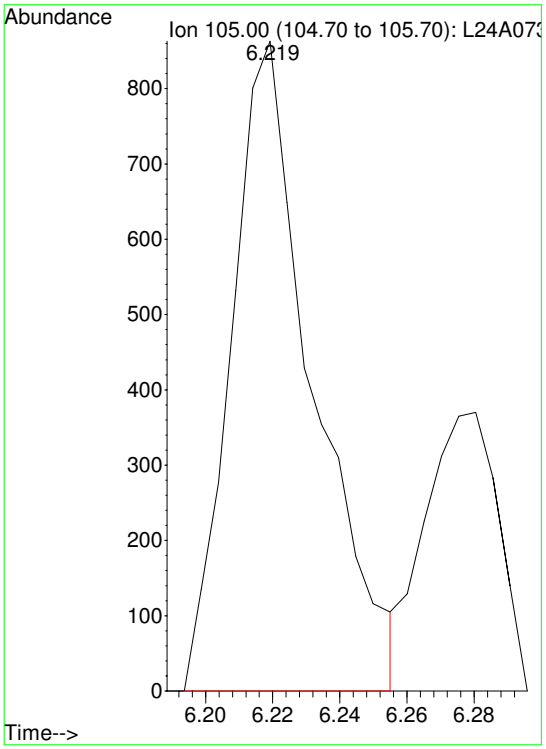
Fri Mar 15 11:22:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

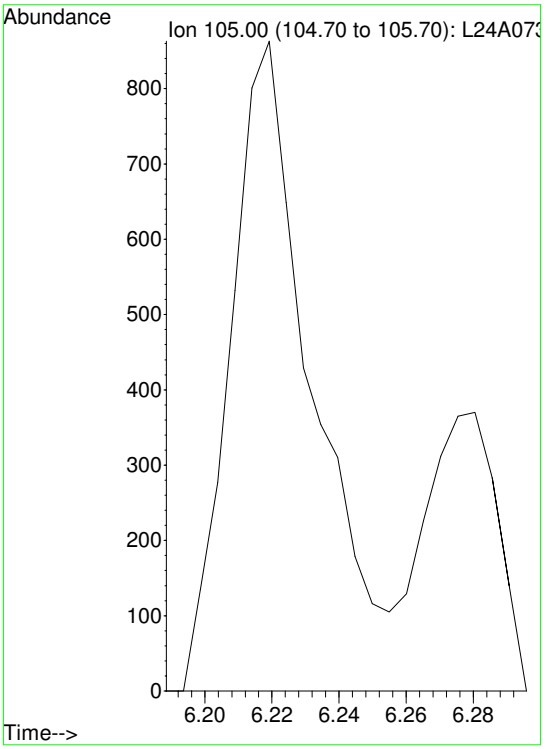
RT : 6.22
Area : 1457
Amount: 0.0160141

Manual Int. Results

Fri Mar 15 11:22:23 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

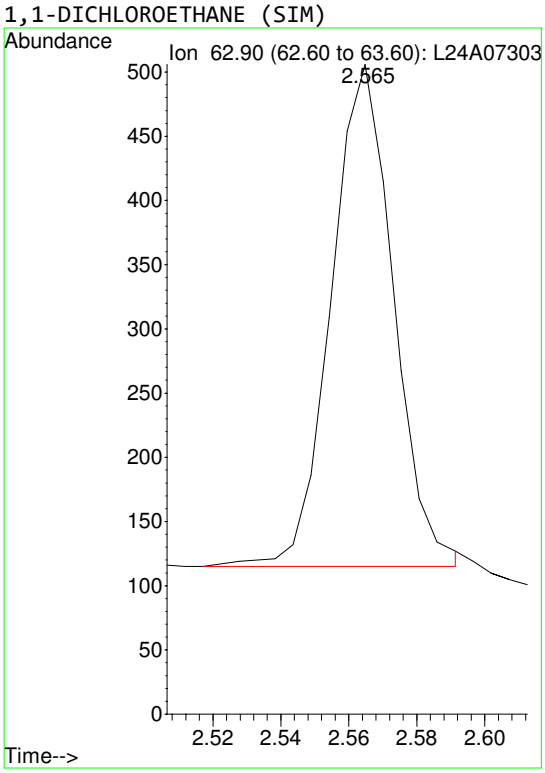
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE (SIM)



Original Int. Results

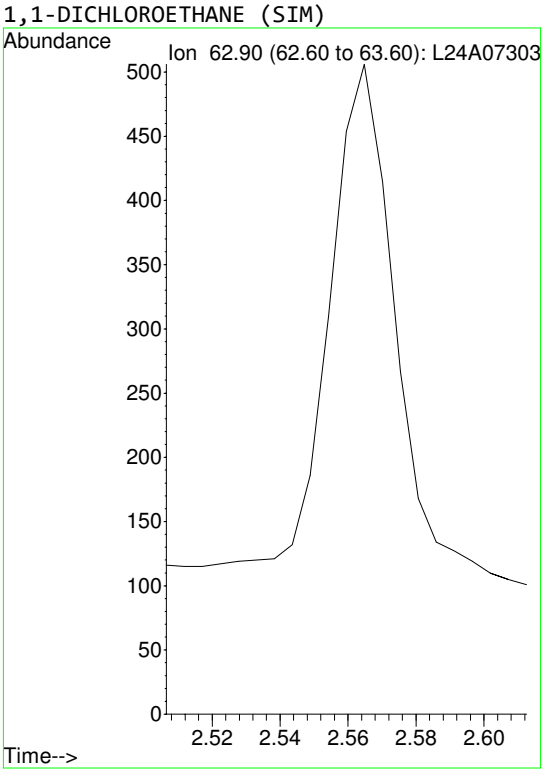
RT : 2.56
Area : 498
Amount: 0.012641

Manual Int. Results

Fri Mar 15 11:22:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

IA-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-11	File ID:	L24A073034.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:03
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	21	0.71	1.4	
71-43-2	Benzene	0.13	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane	0.031	0.030	0.035	J
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	68	0.68	1.4	E
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.070	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.071	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.039	0.017	0.035	
67-66-3	Chloroform (SIM)	0.041	0.0018	0.0070	
74-87-3	Chloromethane	0.64	0.047	0.070	
110-82-7	Cyclohexane	0.064	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	0.074	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.46	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.089	0.013	0.035	
107-62-2	1,2-Dichloroethane (SIM)	0.085	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

IA-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-11	File ID:	L24A073034.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:03
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.017	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	440	0.92	1.4	E
141-78-6	Ethyl Acetate	0.66	0.14	0.35	
100-41-4	Ethylbenzene	0.058	0.012	0.035	
622-96-8	4-Ethyltoluene	0.084	0.015	0.035	
142-82-5	Heptane	0.19	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.035	
67-63-0	Isopropanol	27	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.13	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.059	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.33	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

IA-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-11	File ID:	L24A073034.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:03
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran		0.13	0.35	
108-88-3	Toluene	0.48	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.22	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.069	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.65	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.18	0.027	0.035	
108-05-4	Vinyl Acetate	0.76	0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.16	0.024	0.070	
95-47-6	o-Xylene	0.087	0.013	0.035	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073034.D Vial: 30
Acq On : 14 Mar 2024 03:03 am Operator: CMR
Sample : 24C0251-11 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:04 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073034.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.864	49	204351	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.537	114	606534	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	572039	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.866	49	221959	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	647380	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	634361	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	298448	7.580	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.75%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	311138	7.661	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.75%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	29924	0.663	PPBV	100
4) CHLOROMETHANE	1.570	50	14227	0.913	PPBV	96
5) FREON 114	1.601	85	1084	0.024	PPBV	86
8) BROMOMETHANE	1.729	94	732	0.045	PPBV #	52
10) ACROLEIN	1.897	56	9487	1.170	PPBV	92
11) ACETONE	1.933	43	850622	29.673	PPBV	75
12) TRICHLOROFLUOROMETHANE	1.989	101	14751	0.318	PPBV	100
13) ETHANOL	1.805	45	2796532	631.948	PPBV	98
15) METHYLENE CHLORIDE	2.206	49	4075	0.183	PPBV	85
16) FREON 113	2.296	101	3646	0.099	PPBV	99
17) CARBON DISULFIDE	2.296	76	1512	0.029	PPBV	77
20) MTBE	2.577	73	705	0.013	PPBV #	1
21) IPA	2.005	45	1159052	38.431	PPBV	96
22) 2-BUTANONE(MEK)	2.678	43	3460200	98.046	PPBV	85
24) VINYL ACETATE	2.599	43	40990	1.096	PPBV	74
25) HEXANE	2.895	41	3514	0.185	PPBV	95
26) ETHYL ACETATE	2.895	45	5776	0.946	PPBV #	53
27) CHLOROFORM	2.911	83	2077	0.056	PPBV	81
28) TETRAHYDROFURAN	3.060	42	3333	0.143	PPBV #	73
29) 1,2-DICHLOROETHANE	3.152	62	3197	0.128	PPBV	98
32) BENZENE	3.399	78	10017	0.182	PPBV	91
33) CARBON TETRACHLORIDE	3.452	117	3880	0.100	PPBV	88
34) CYCLOHEXANE	3.500	84	2122	0.092	PPBV #	56
39) METHYLMETHACRYLATE	3.877	69	7360	0.384	PPBV #	83
40) HEPTANE	3.918	57	4828	0.278	PPBV #	78
46) TOLUENE	4.489	91	46208	0.689	PPBV	100
50) TETRACHLOROETHENE	4.939	166	1018	0.034	PPBV	85
52) ETHYLBENZENE	5.380	91	7016	0.083	PPBV	97
53) M/P-XYLENE	5.455	91	16260	0.234	PPBV	95
55) STYRENE	5.608	104	22993	0.481	PPBV	95
56) O-XYLENE	5.656	91	8509	0.125	PPBV	97
59) 4-ETHYLTOLUENE	6.231	105	10742m	0.120	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.277	105	19584	0.260	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	68631	0.940	PPBV	93
64) 1,4-DICHLOROBENZENE	6.569	146	4438	0.107	PPBV	94
67) NAPHTHALENE	7.796	128	5768	0.085	PPBV	93
75] CHLOROFORM (SIM)	2.914	83	2308	0.059	PPBV	93
76] 1,2-DICHLOROETHANE (SIM)	3.155	62	3162	0.122	PPBV	99
78] CARBON TETRACHLORIDE (...	3.455	117	4407	0.102	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073034.D Vial: 30
Acq On : 14 Mar 2024 03:03 am Operator: CMR
Sample : 24C0251-11 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:04 2024

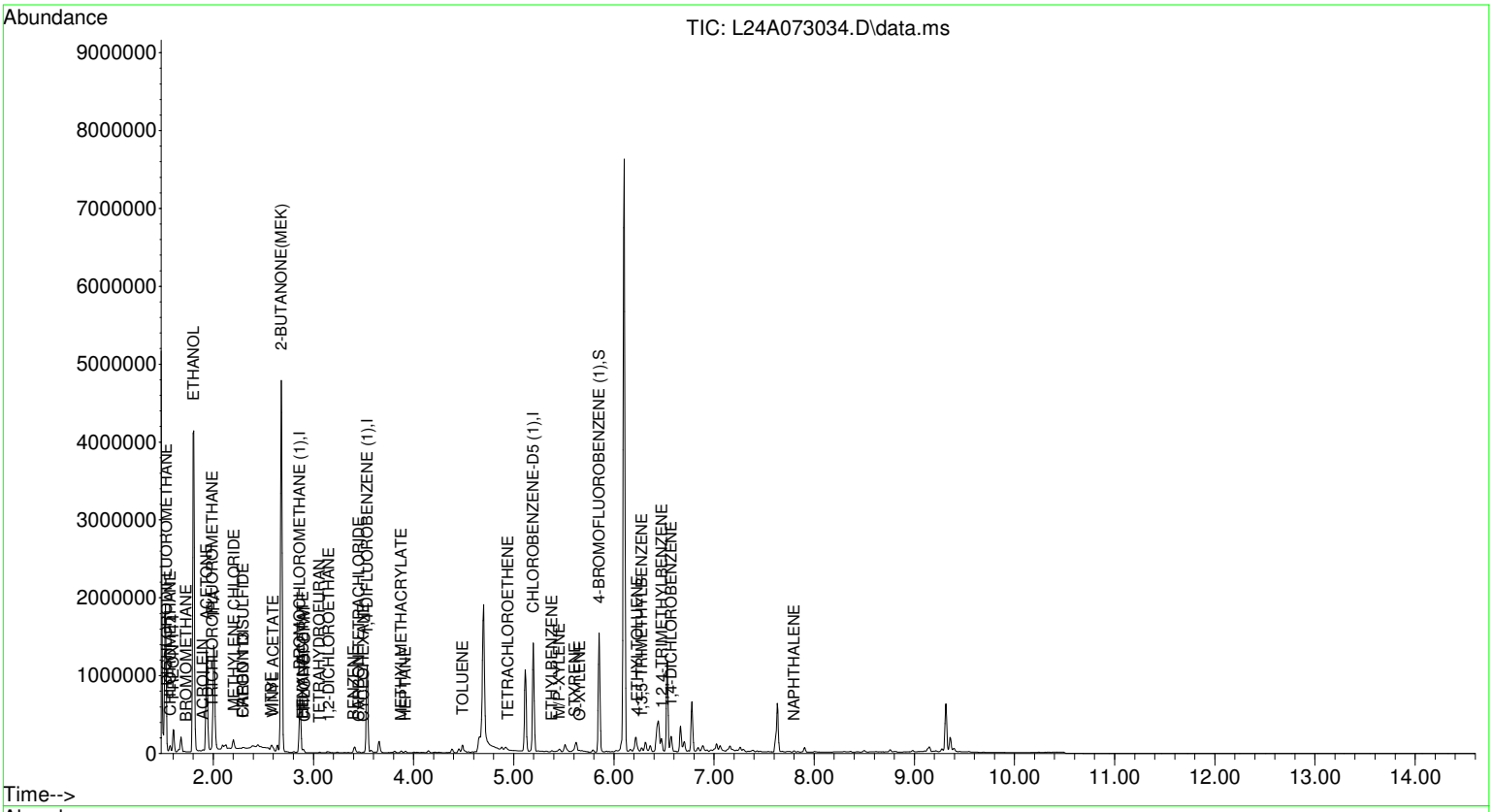
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073034.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

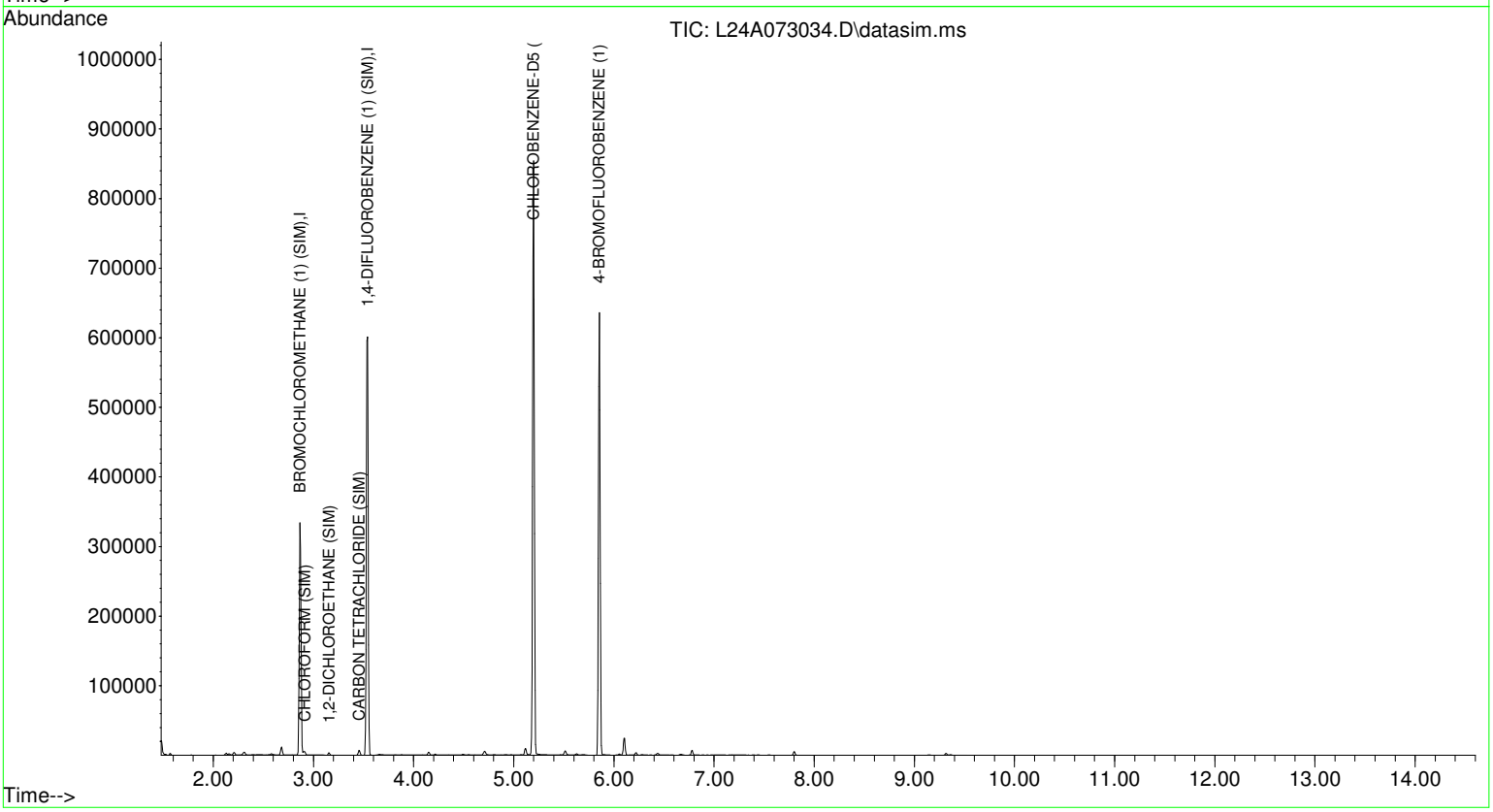
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

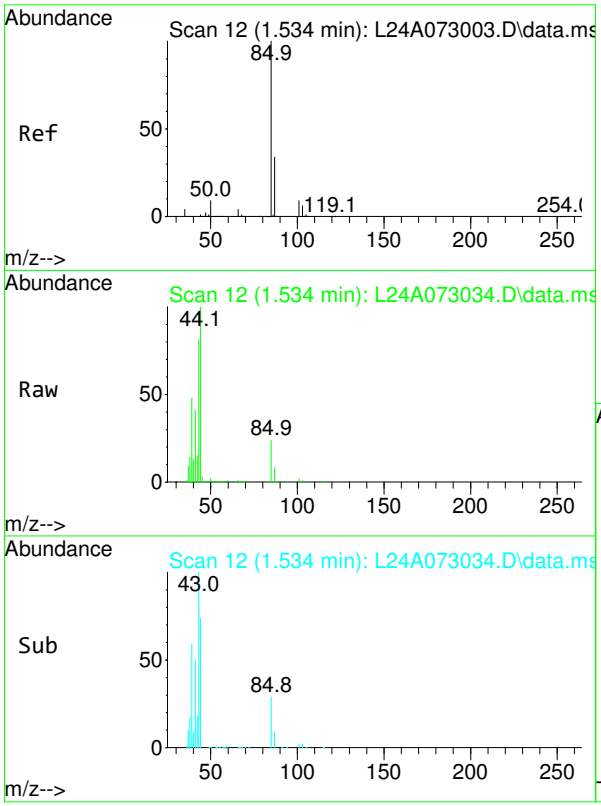
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073034.D Vial: 30
Acq On : 14 Mar 2024 03:03 am Operator: CMR
Sample : 24C0251-11 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:04 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073034.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



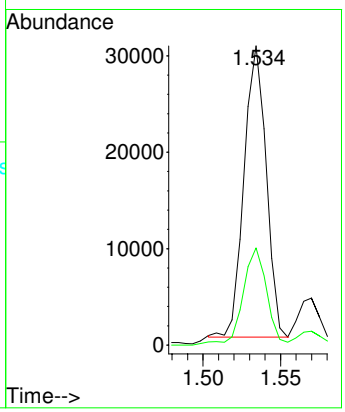


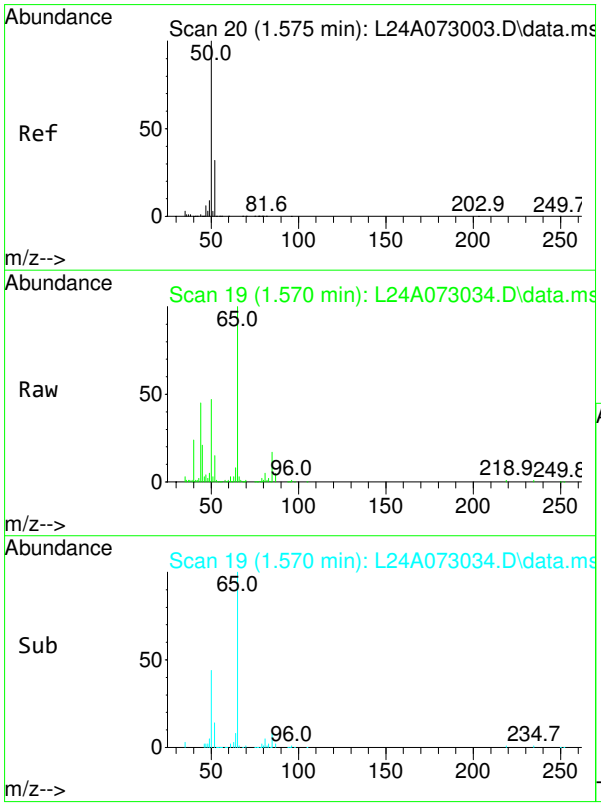


#3
DICHLORODIFLUOROMETHANE
Concen: 0.66 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 85 Resp: 29924

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.0	52.0

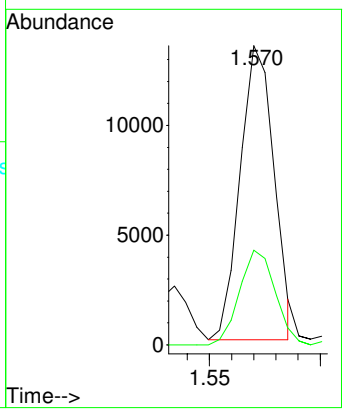


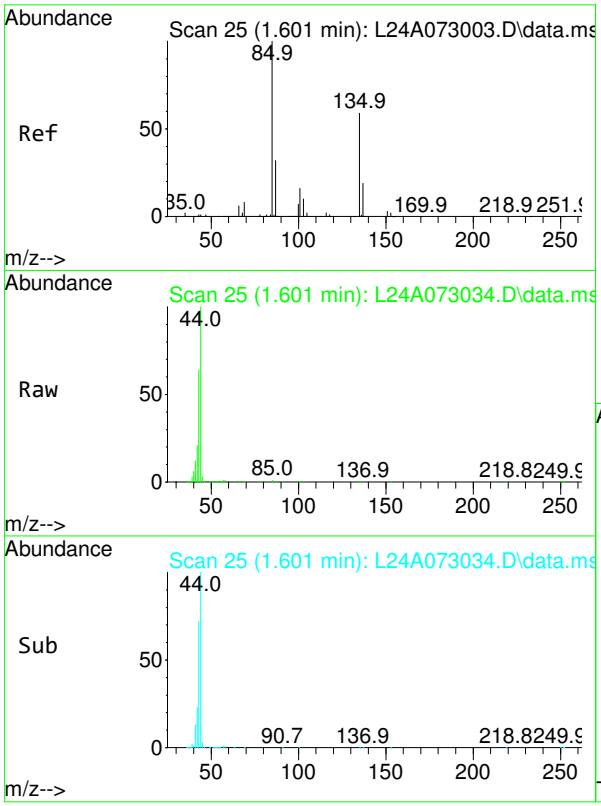


#4
CHLOROMETHANE
Concen: 0.91 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 50 Resp: 14227

Ion	Ratio	Lower	Upper
50	100		
52	33.5	11.2	51.2

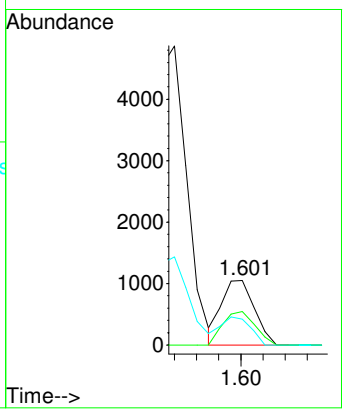


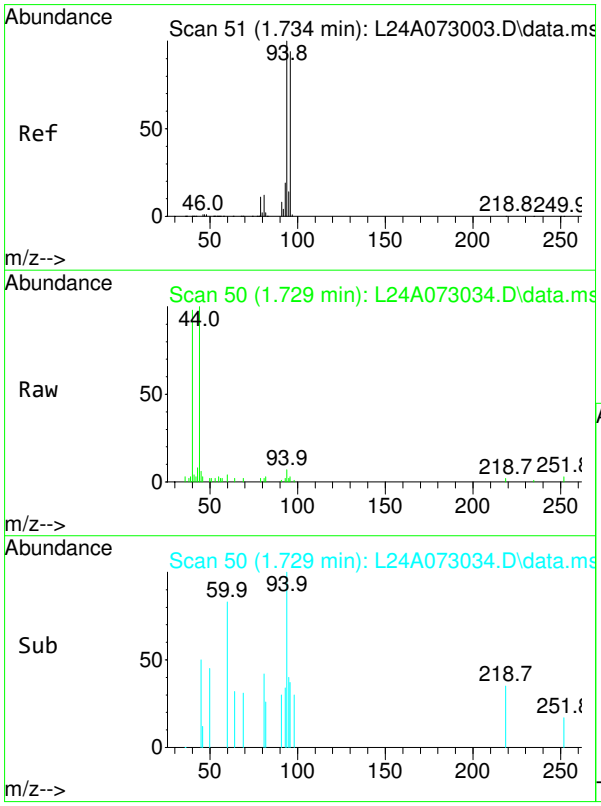


#5
FREON 114
Concen: 0.02 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 85 Resp: 1084

Ion	Ratio	Lower	Upper
85	100		
135	50.9	41.5	81.5
87	40.0	12.1	52.1

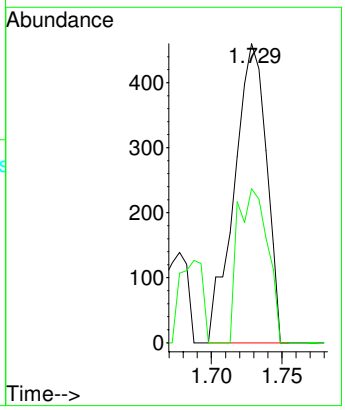


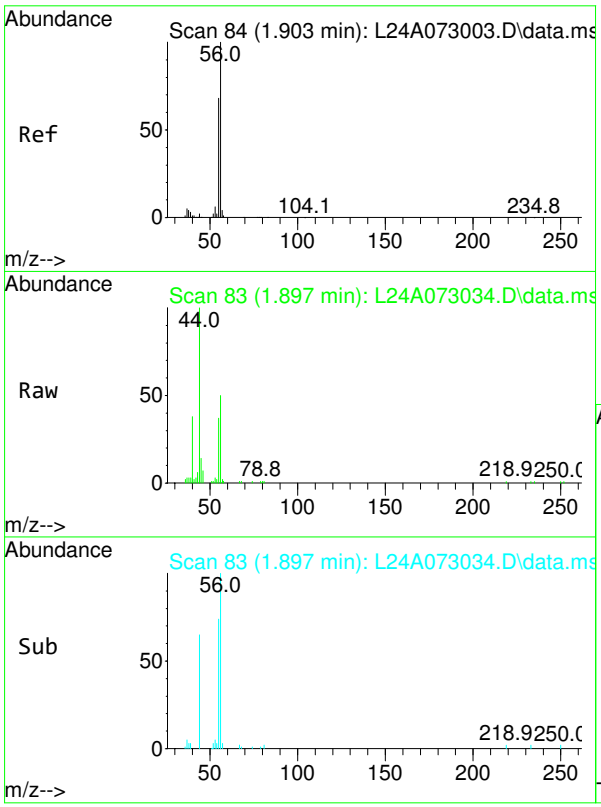


#8
BROMOMETHANE
Concen: 0.05 PPBV
RT: 1.729 min Scan# 50
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 94 Resp: 732

Ion	Ratio	Lower	Upper
94	100		
96	47.5	73.3	113.3#

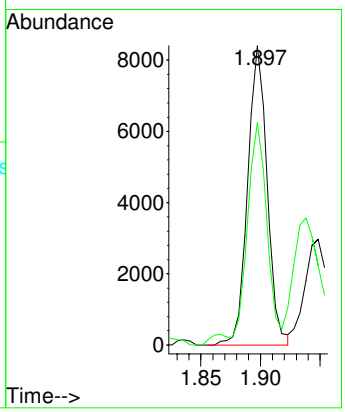


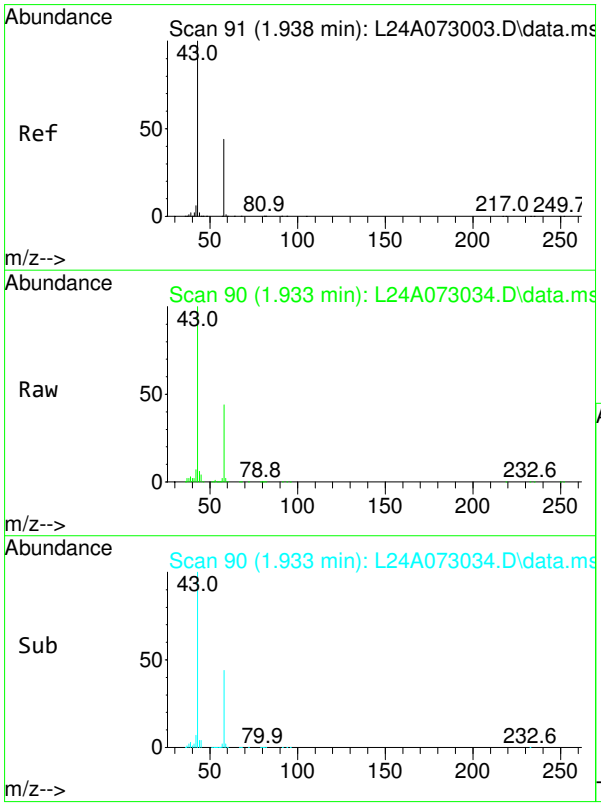


#10
ACROLEIN
Concen: 1.17 PPBV
RT: 1.897 min Scan# 83
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 56 Resp: 9487

Ion	Ratio	Lower	Upper
56	100		
55	77.8	51.4	91.4

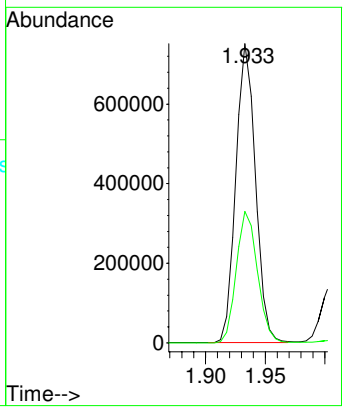


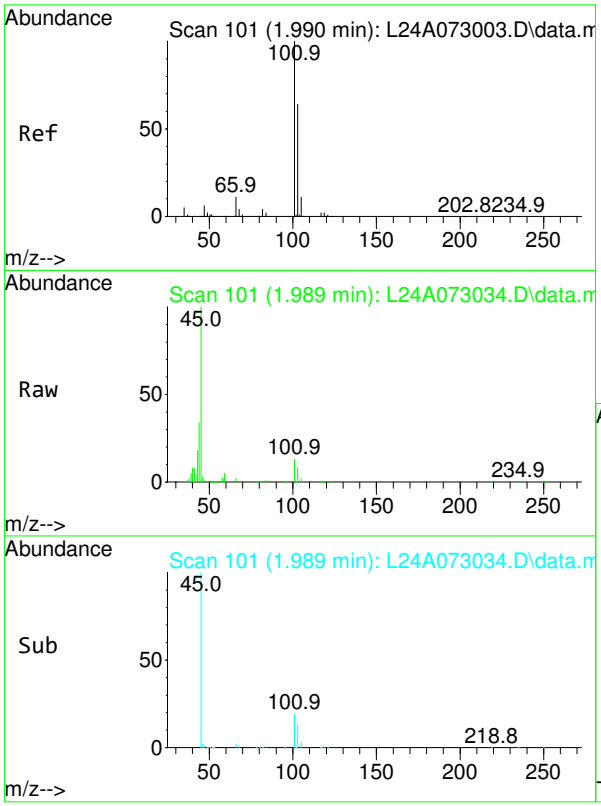


#11
ACETONE
Concen: 29.67 PPBV
RT: 1.933 min Scan# 90
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 43 Resp: 850622

Ion	Ratio	Lower	Upper
43	100		
58	47.5	13.1	53.1

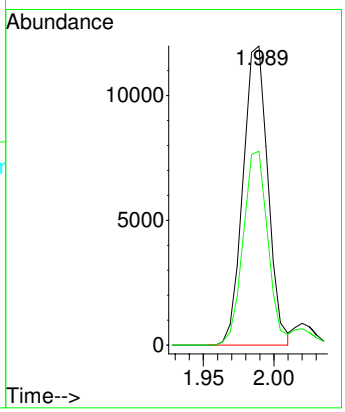


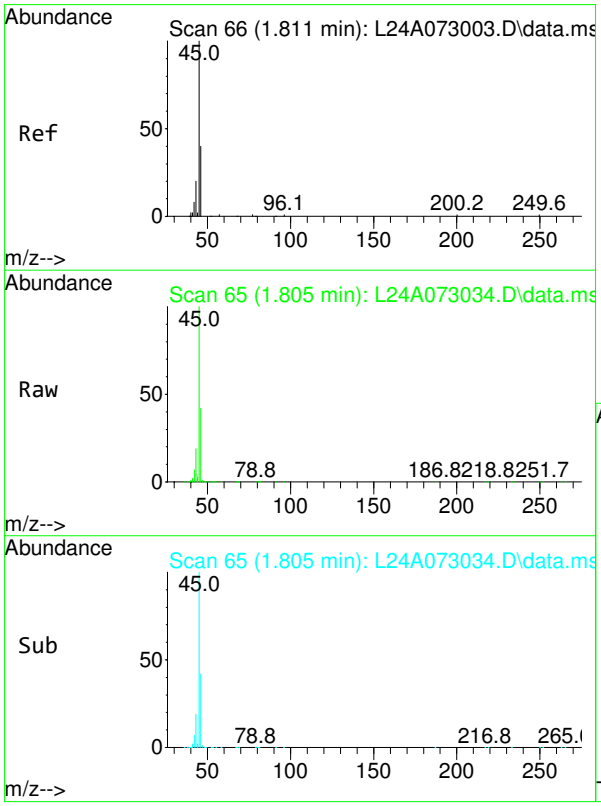


#12
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:101 Resp: 14751

Ion	Ratio	Lower	Upper
101	100		
103	64.6	44.7	84.7

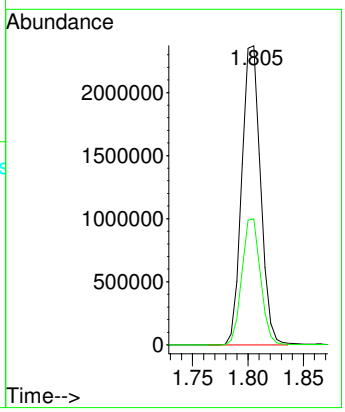


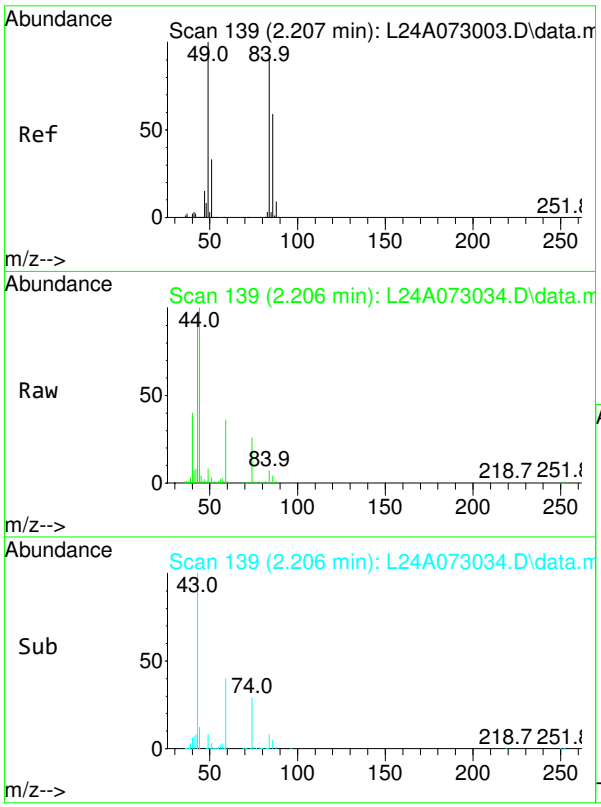


#13
ETHANOL
Concen: 631.95 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 45 Resp: 2796532

Ion	Ratio	Lower	Upper
45	100		
46	41.9	20.5	60.5

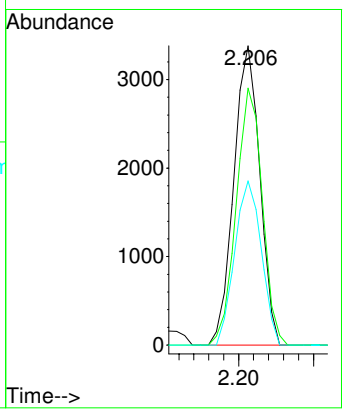


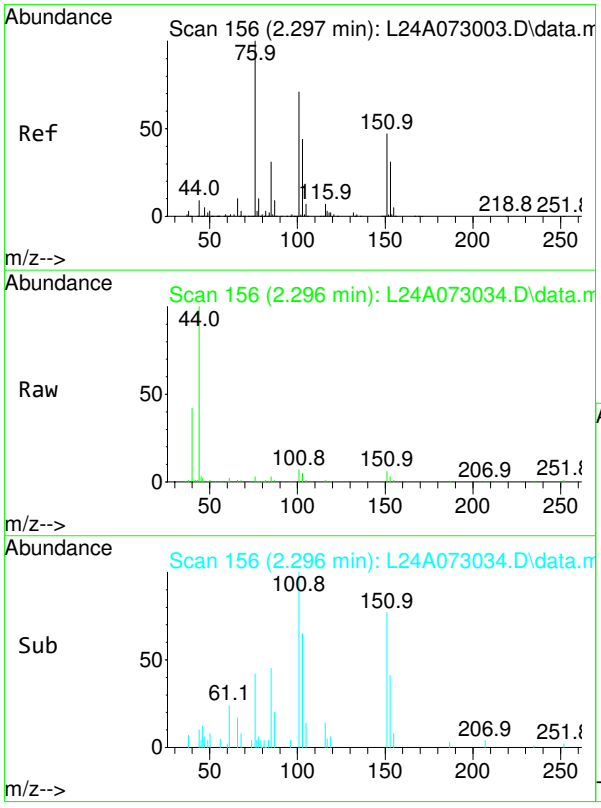


#15
METHYLENE CHLORIDE
Concen: 0.18 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 49 Resp: 4075

Ion	Ratio	Lower	Upper
49	100		
84	86.1	52.0	92.0
86	56.0	27.3	67.3

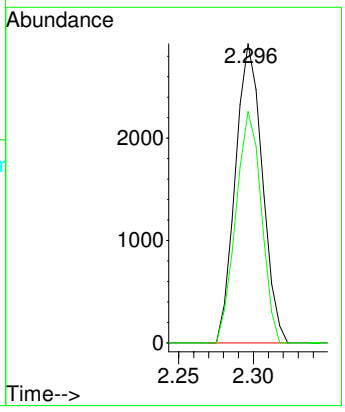


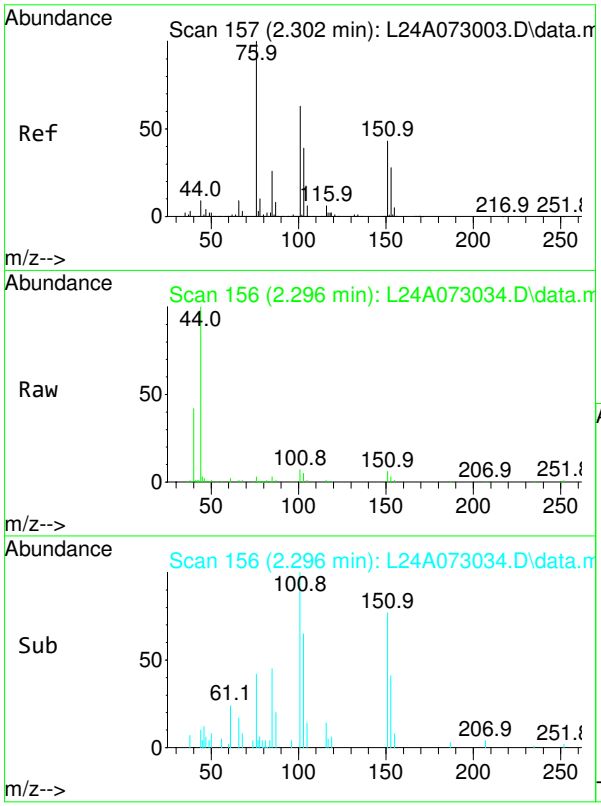


#16
FREON 113
Concen: 0.10 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:101 Resp: 3646

Ion	Ratio	Lower	Upper
101	100		
151	73.2	52.3	92.3

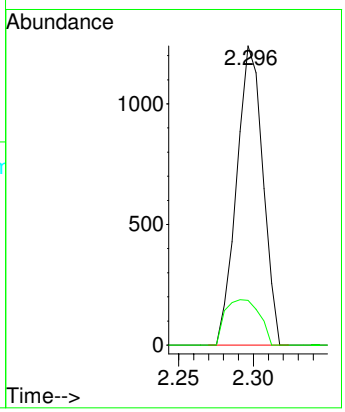


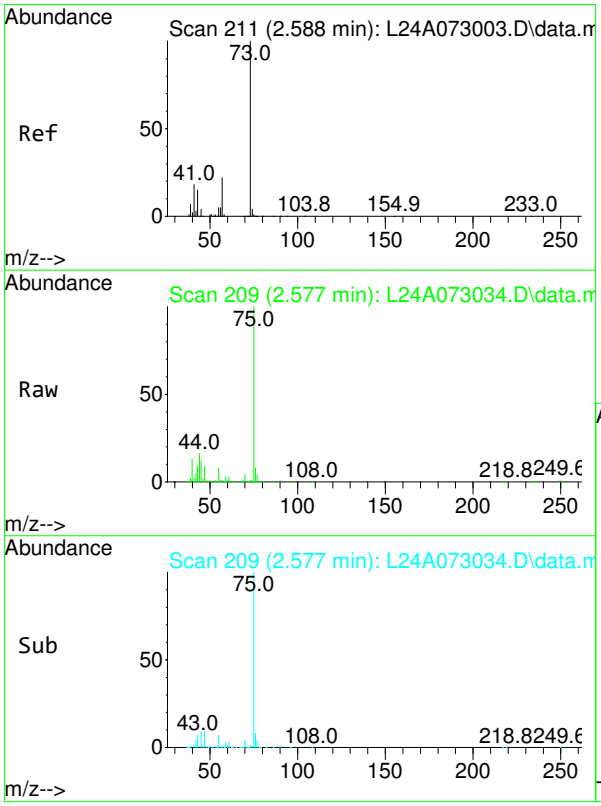


#17
CARBON DISULFIDE
Concen: 0.03 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 76 Resp: 1512

Ion	Ratio	Lower	Upper
76	100		
78	19.8	0.0	31.1

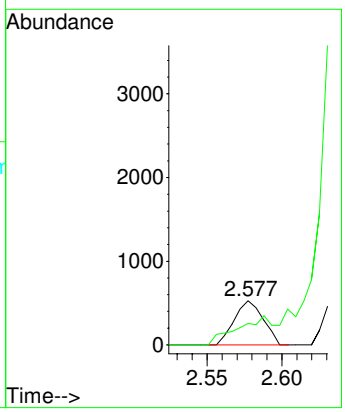


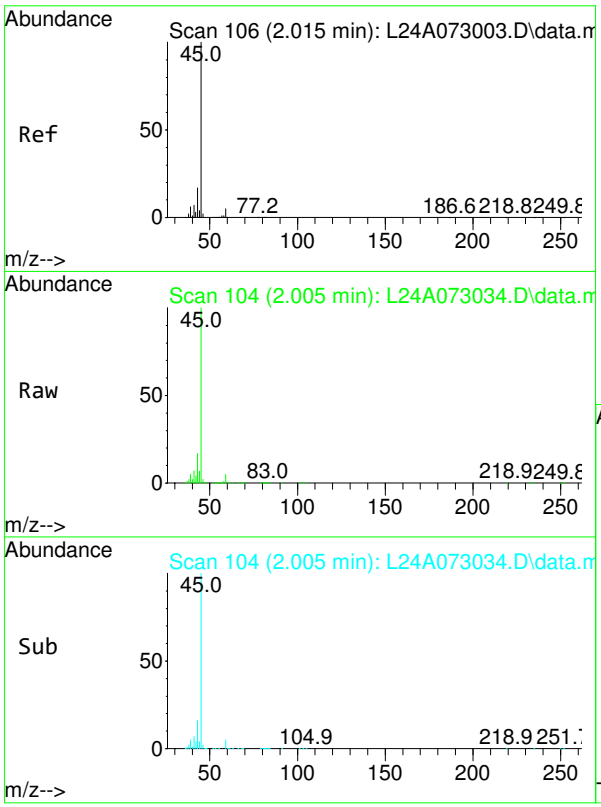


#20
MTBE
Concen: 0.01 PPBV
RT: 2.577 min Scan# 209
Delta R.T. -0.012 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 73 Resp: 705

Ion	Ratio	Lower	Upper
73	100		
57	87.8	4.6	44.6#

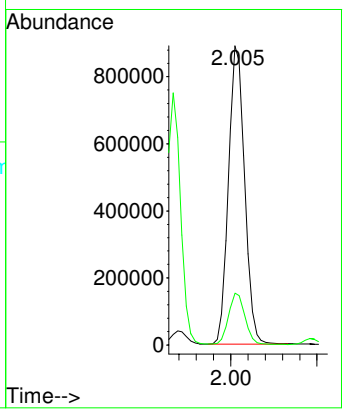


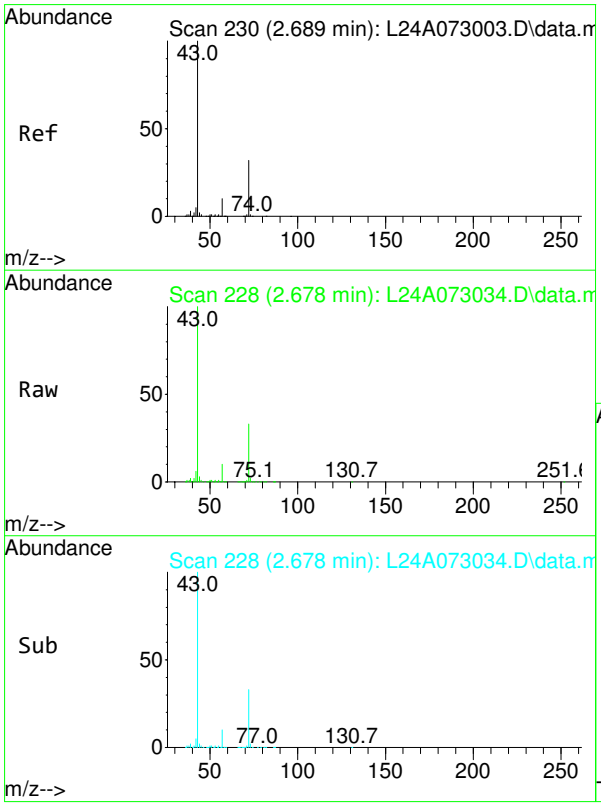


#21
IPA
Concen: 38.43 PPBV
RT: 2.005 min Scan# 104
Delta R.T. -0.008 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 45 Resp: 1159052

Ion	Ratio	Lower	Upper
45	100		
43	17.4	0.0	39.3

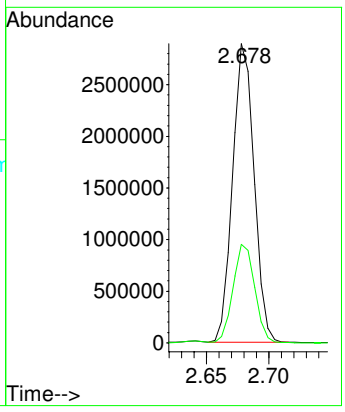


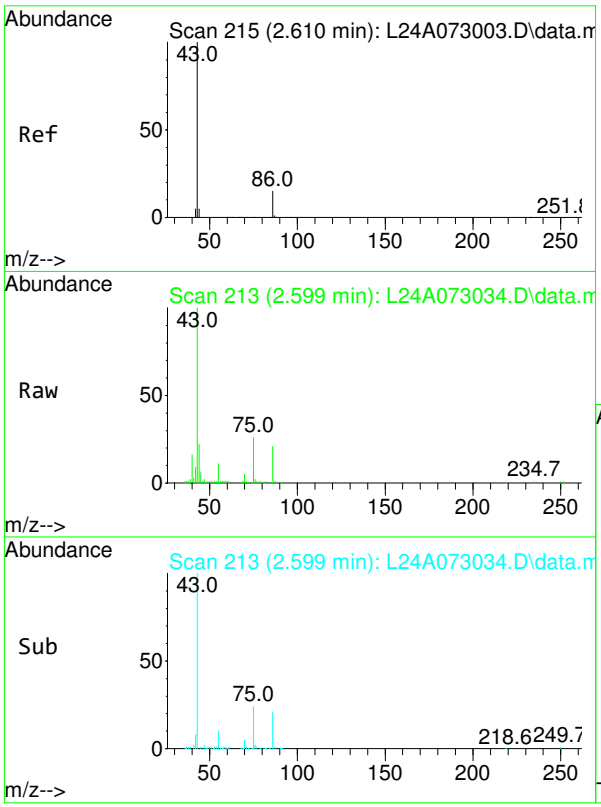


#22
2-BUTANONE(MEK)
Concen: 98.05 PPBV
RT: 2.678 min Scan# 228
Delta R.T. -0.009 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 43 Resp: 3460200

Ion	Ratio	Lower	Upper
43	100		
72	33.2	5.6	45.6

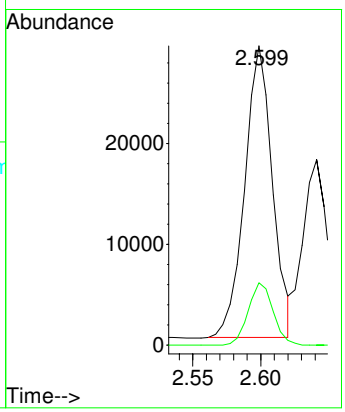


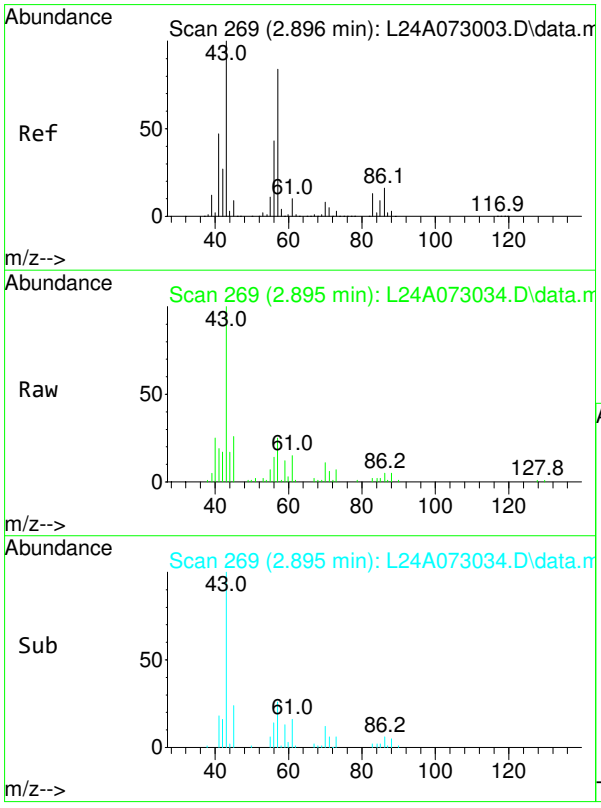


#24
VINYL ACETATE
Concen: 1.10 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 43 Resp: 40990

Ion	Ratio	Lower	Upper
43	100		
86	19.1	0.0	19.5

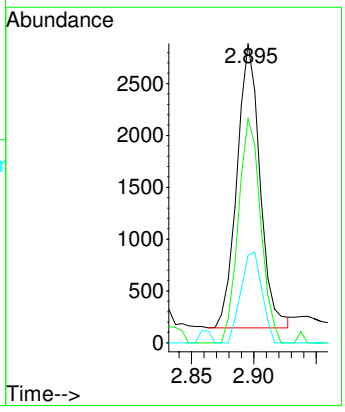


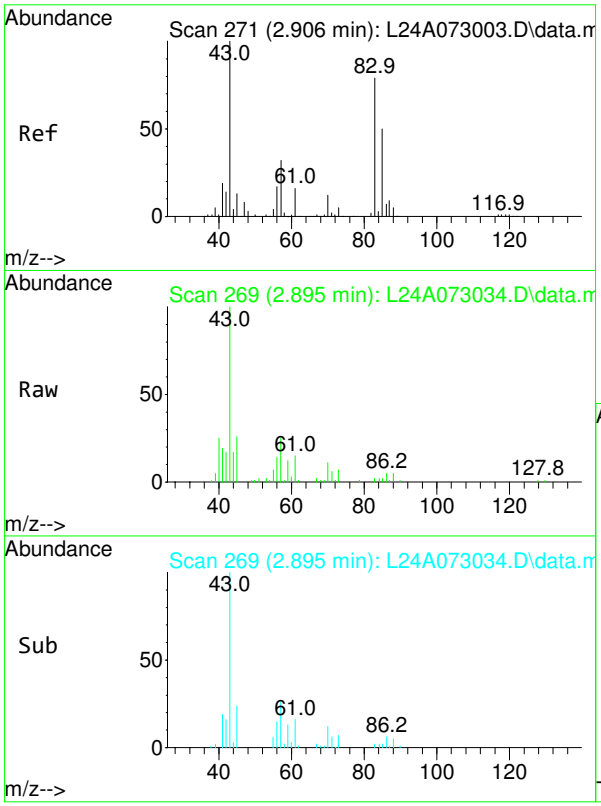


#25
HEXANE
Concen: 0.18 PPBV
RT: 2.895 min Scan# 269
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 41 Resp: 3514

Ion	Ratio	Lower	Upper
41	100		
56	76.2	52.3	92.3
86	29.3	16.1	36.1

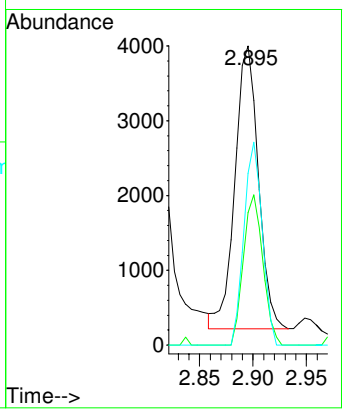


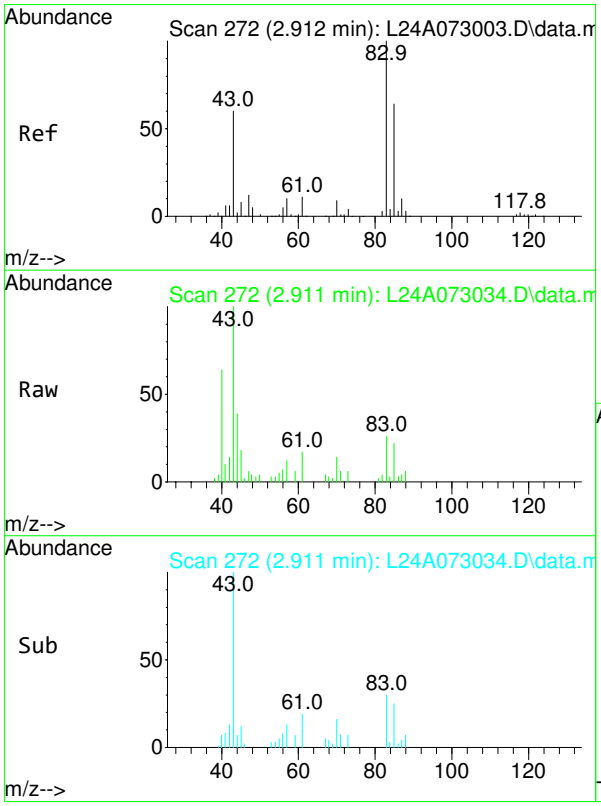


#26
ETHYL ACETATE
Concen: 0.95 PPBV
RT: 2.895 min Scan# 269
Delta R.T. -0.009 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 45 Resp: 5776

Ion	Ratio	Lower	Upper
45	100		
70	44.2	68.8	108.8#
61	55.9	83.3	123.3#

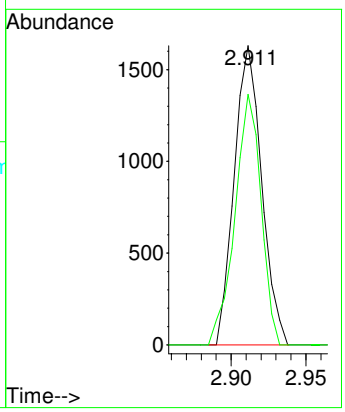


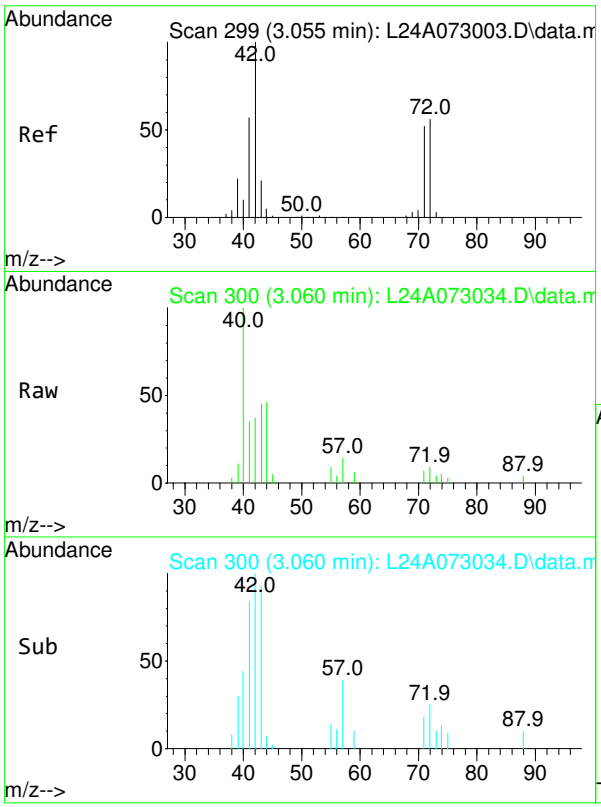


#27
CHLOROFORM
Concen: 0.06 PPBV
RT: 2.911 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 83 Resp: 2077

Ion	Ratio	Lower	Upper
83	100		
85	79.4	44.8	84.8

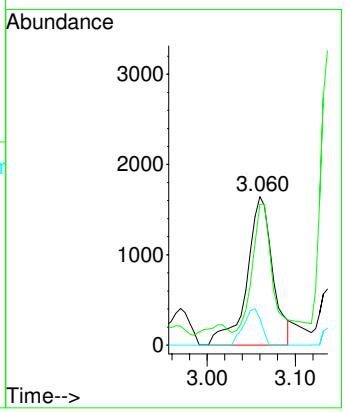


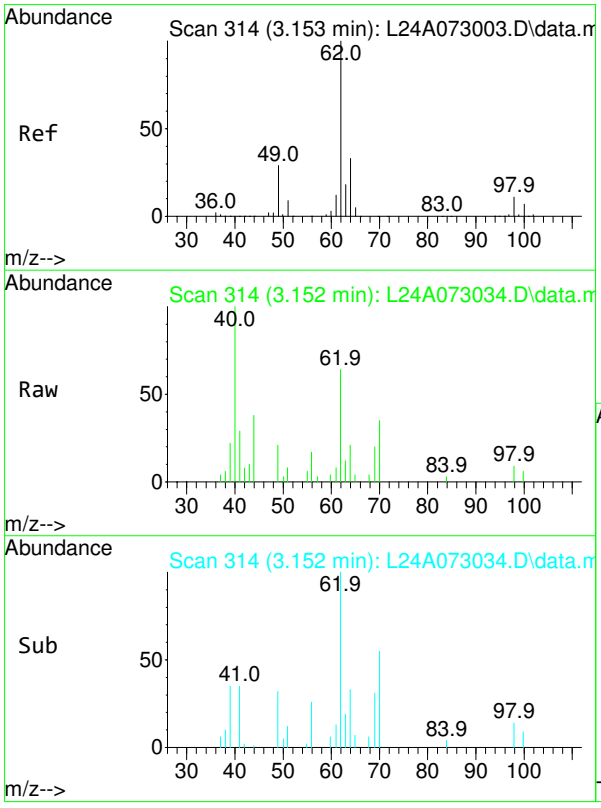


#28
TETRAHYDROFURAN
Concen: 0.14 PPBV
RT: 3.060 min Scan# 300
Delta R.T. 0.009 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 42 Resp: 3333

Ion	Ratio	Lower	Upper
42	100		
41	64.2	33.5	73.5
71	16.9	24.0	64.0#

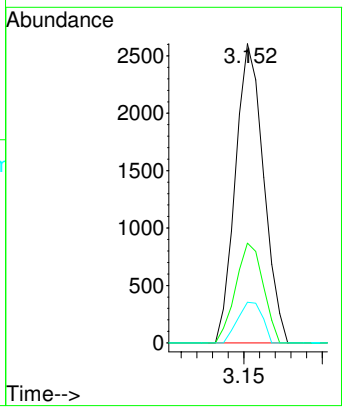


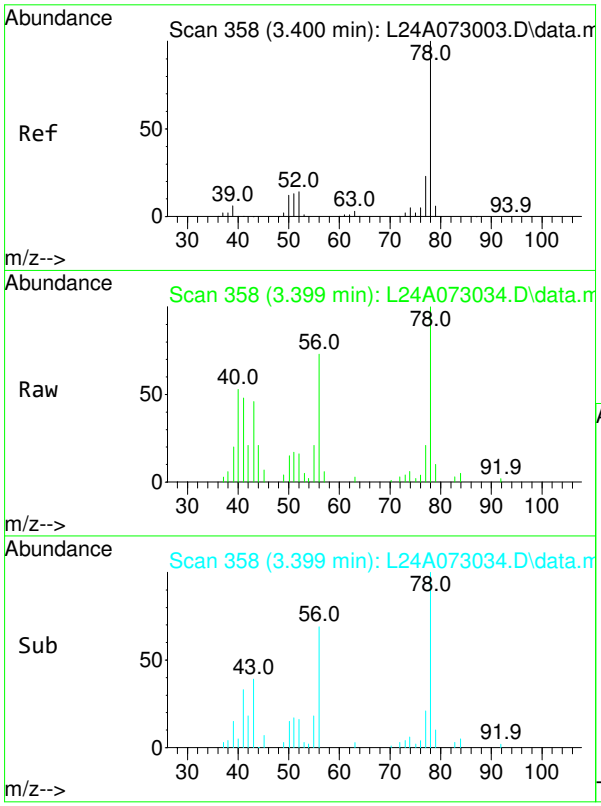


#29
1,2-DICHLOROETHANE
Concen: 0.13 PPBV
RT: 3.152 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 62 Resp: 3197

Ion	Ratio	Lower	Upper
62	100		
64	32.6	13.0	53.0
98	12.0	0.0	19.3

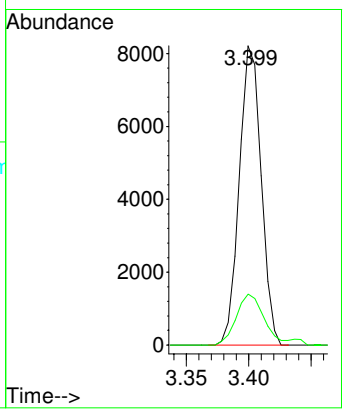


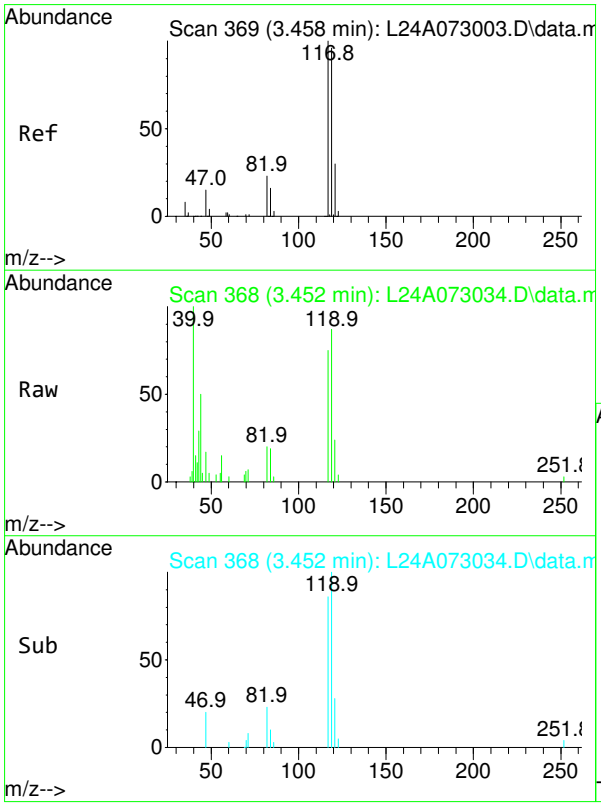


#32
BENZENE
Concen: 0.18 PPBV
RT: 3.399 min Scan# 358
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 78 Resp: 10017

Ion	Ratio	Lower	Upper
78	100		
51	21.5	0.0	37.7

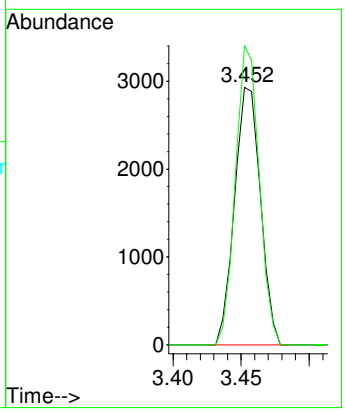


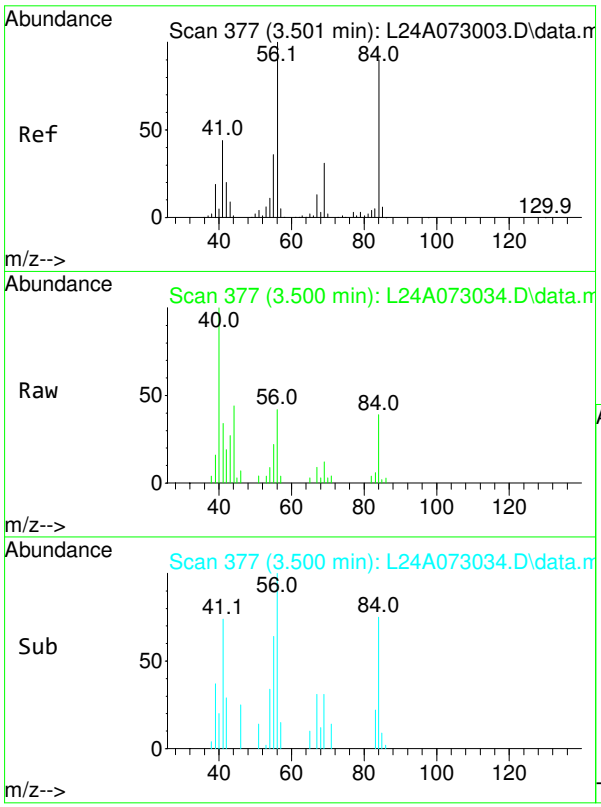


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 3.452 min Scan# 368
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:117 Resp: 3880

Ion	Ratio	Lower	Upper
117	100		
119	106.8	75.3	115.3

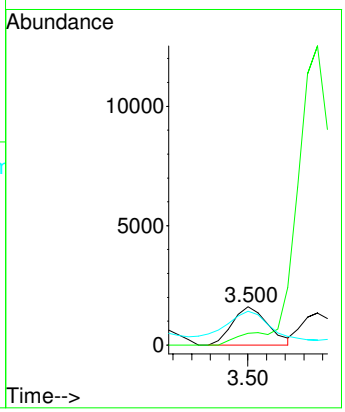


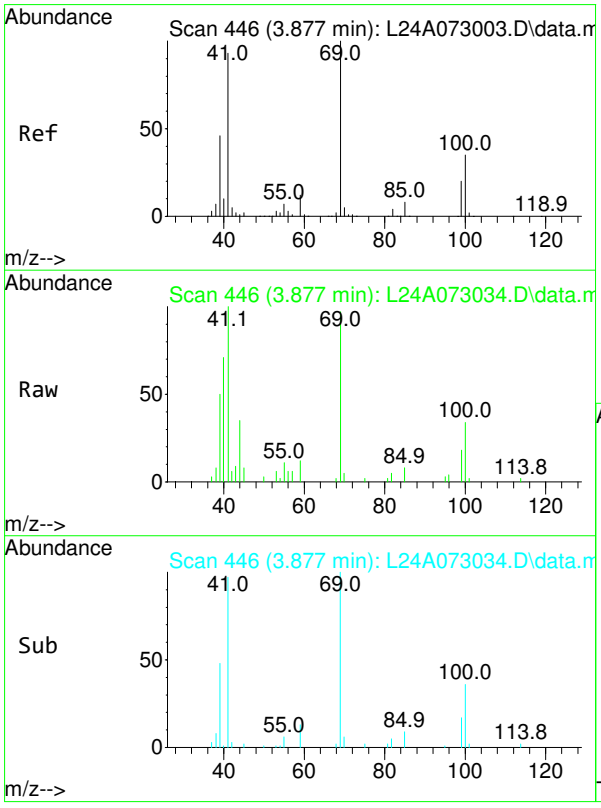


#34
CYCLOHEXANE
Concen: 0.09 PPBV
RT: 3.500 min Scan# 377
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 84 Resp: 2122

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.7	57.7#
41	90.3	44.6	84.6#

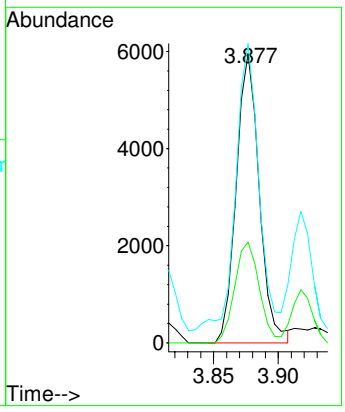


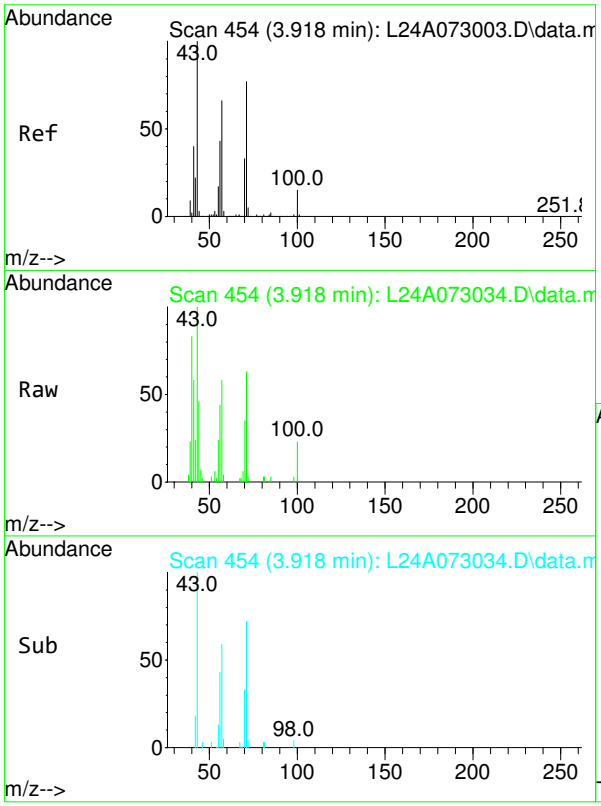


#39
METHYLMETHACRYLATE
Concen: 0.38 PPBV
RT: 3.877 min Scan# 446
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 69 Resp: 7360

Ion	Ratio	Lower	Upper
69	100		
100	37.4	18.0	58.0
41	97.9	102.8	142.8#

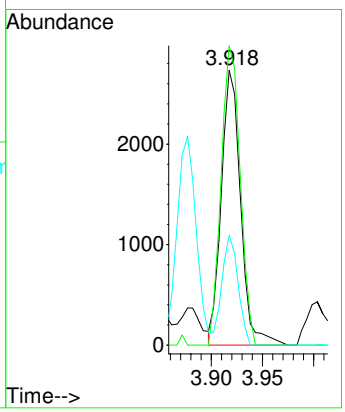


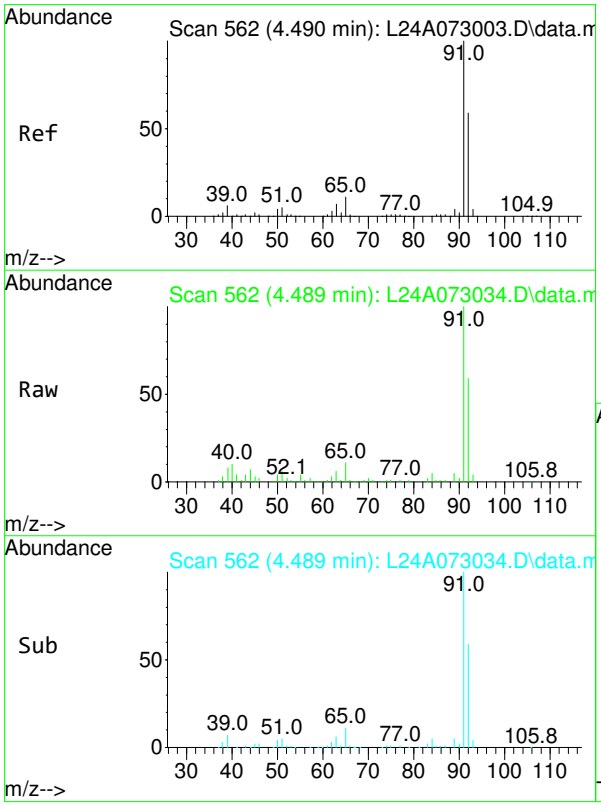


#40
HEPTANE
Concen: 0.28 PPBV
RT: 3.918 min Scan# 454
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 57 Resp: 4828

Ion	Ratio	Lower	Upper
57	100		
71	79.6	87.9	127.9#
100	24.5	4.4	44.4

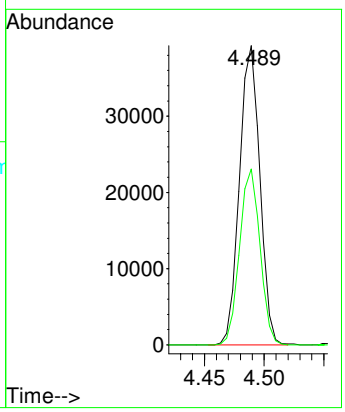


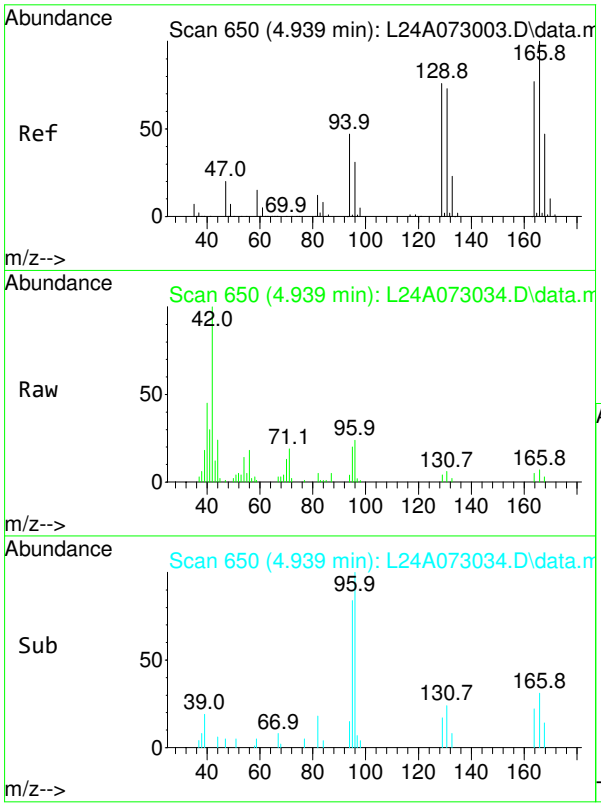


#46
TOLUENE
Concen: 0.69 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 46208

Ion	Ratio	Lower	Upper
91	100		
92	58.9	39.1	79.1

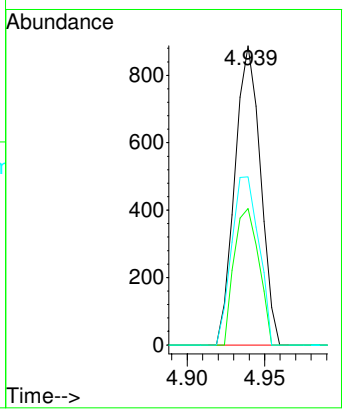


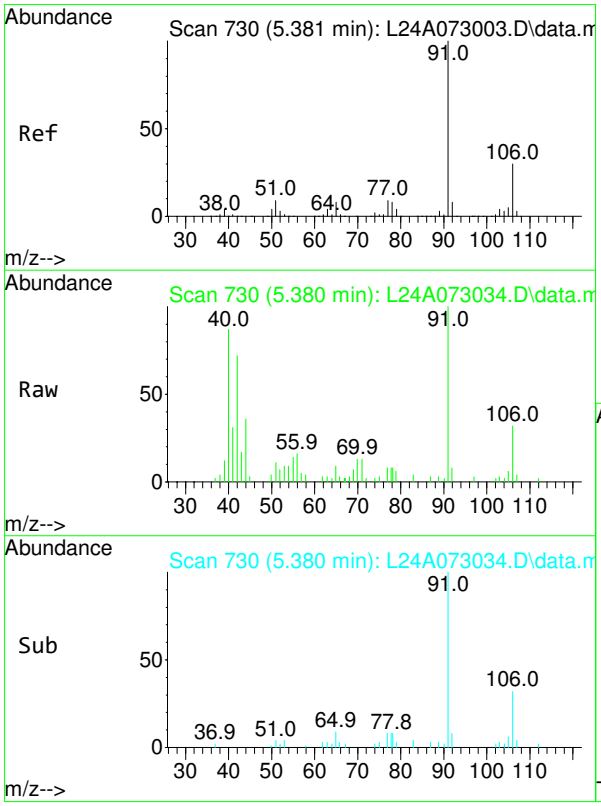


#50
TETRACHLOROETHENE
Concen: 0.03 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:166 Resp: 1018

Ion	Ratio	Lower	Upper
166	100		
168	44.1	28.8	68.8
129	59.6	56.6	96.6

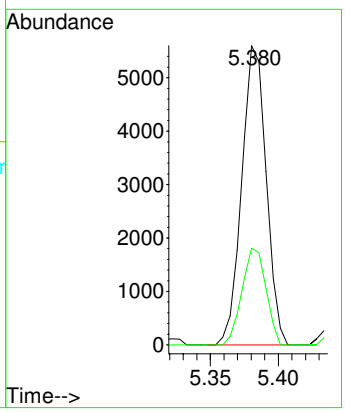


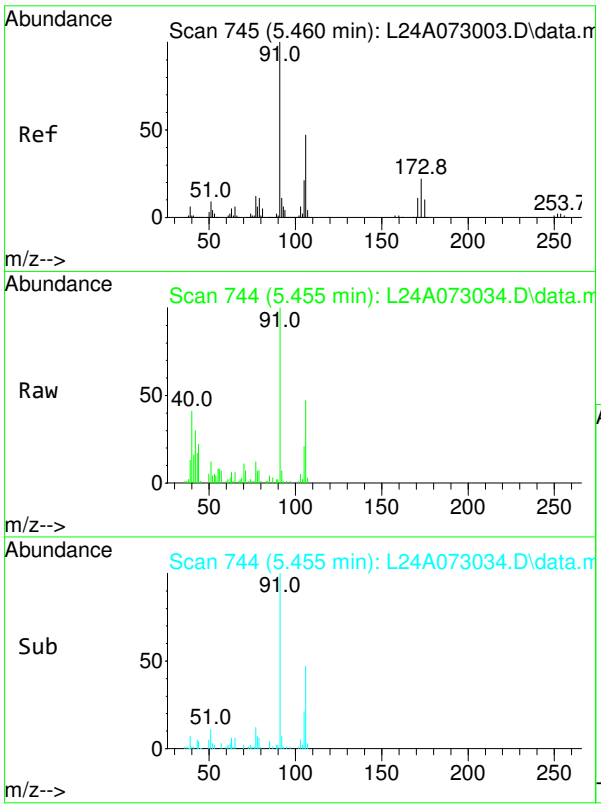


#52
ETHYLBENZENE
Concen: 0.08 PPBV
RT: 5.380 min Scan# 730
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 7016

Ion	Ratio	Lower	Upper
91	100		
106	31.6	10.1	50.1

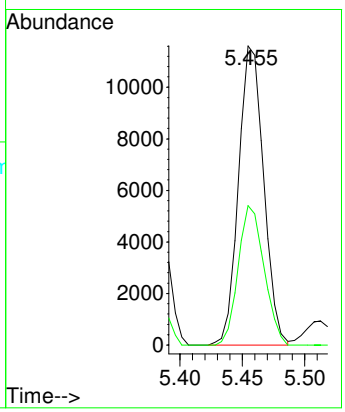


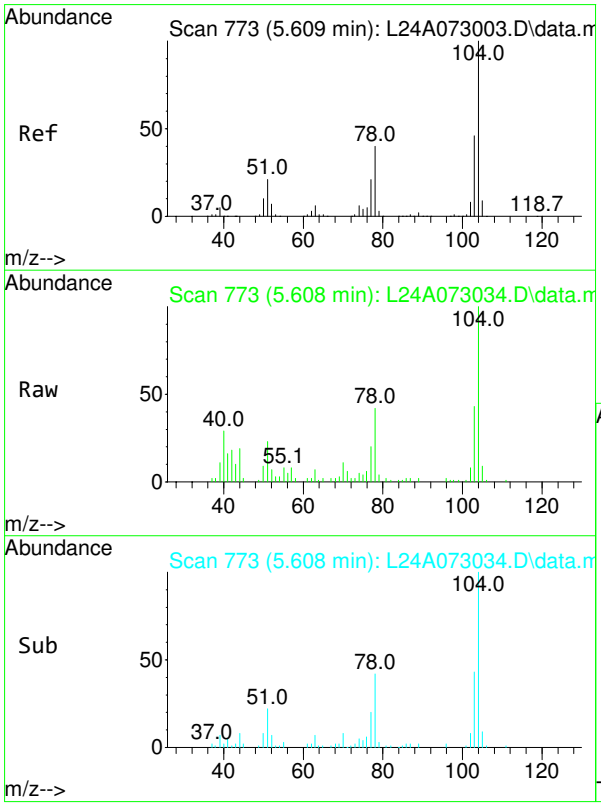


#53
M/P-XYLENE
Concen: 0.23 PPBV
RT: 5.455 min Scan# 744
Delta R.T. -0.013 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 16260

Ion	Ratio	Lower	Upper
91	100		
106	47.9	24.9	64.9

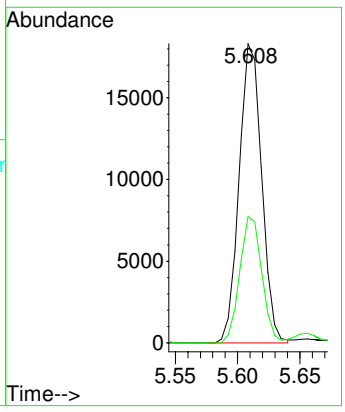


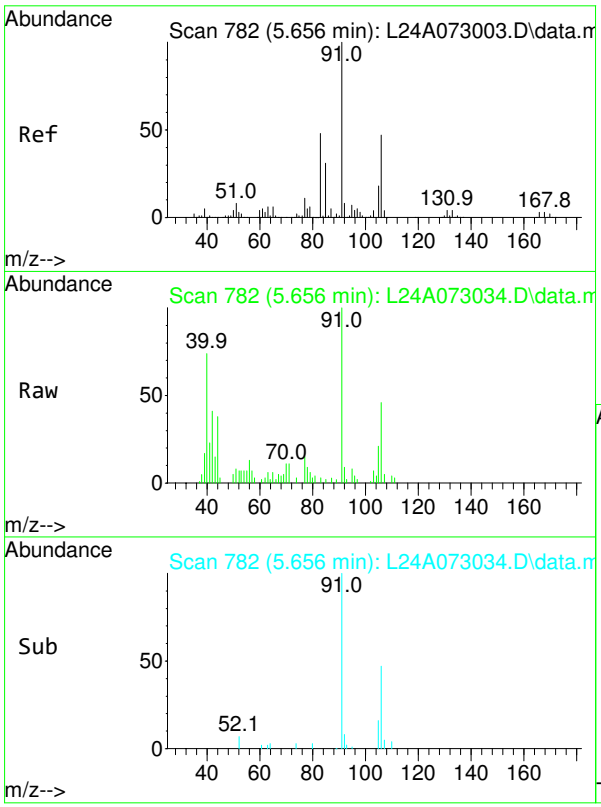


#55
STYRENE
Concen: 0.48 PPBV
RT: 5.608 min Scan# 773
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:104 Resp: 22993

Ion	Ratio	Lower	Upper
104	100		
78	41.2	24.7	64.7

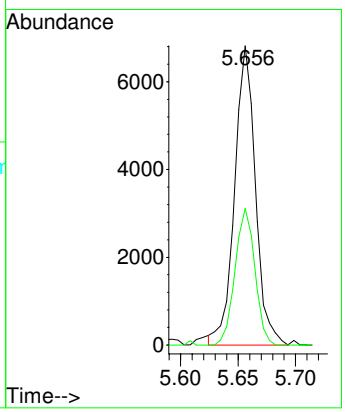


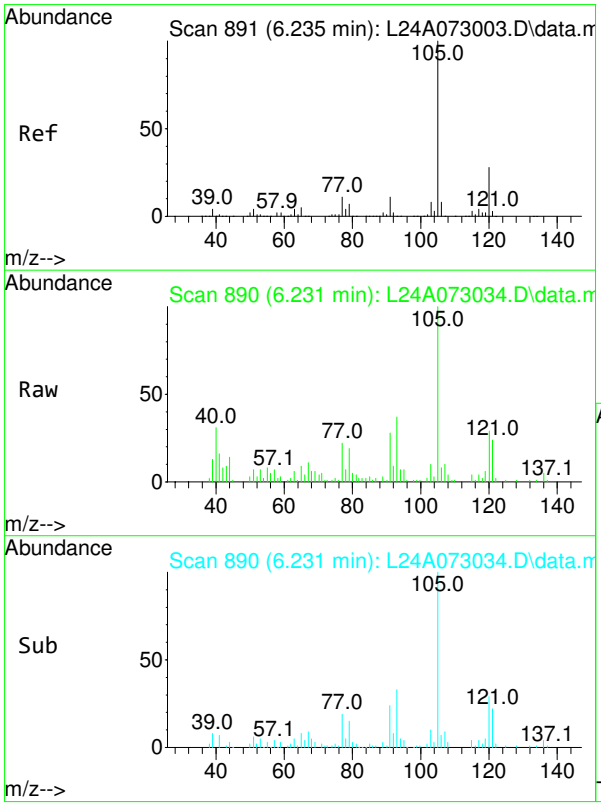


#56
O-XYLENE
Concen: 0.12 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 8509

Ion	Ratio	Lower	Upper
91	100		
106	43.4	25.4	65.4

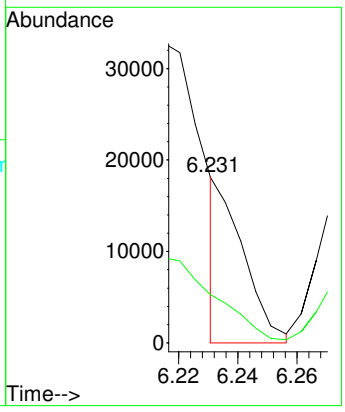


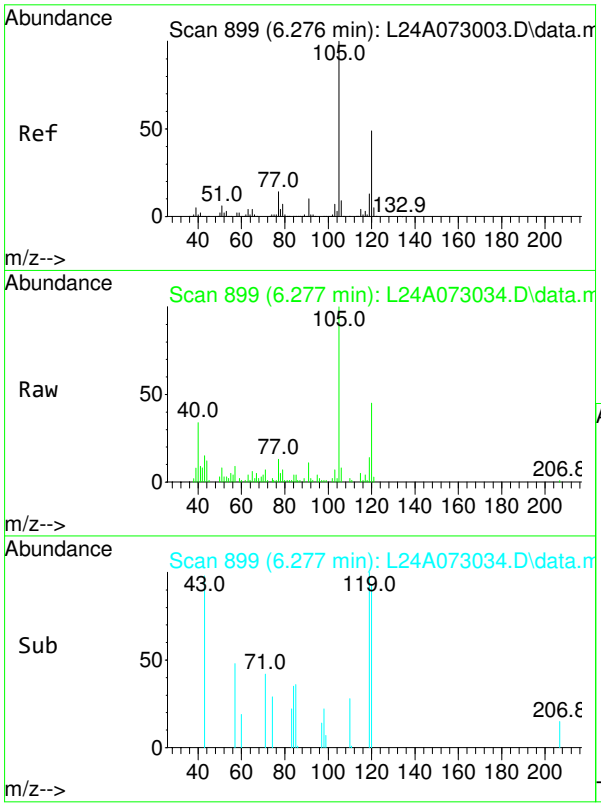


#59
4-ETHYLTOLUENE
Concen: 0.12 PPBV m
RT: 6.231 min Scan# 890
Delta R.T. -0.010 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:105 Resp: 10742

Ion	Ratio	Lower	Upper
105	100		
120	144.1	8.8	48.8#

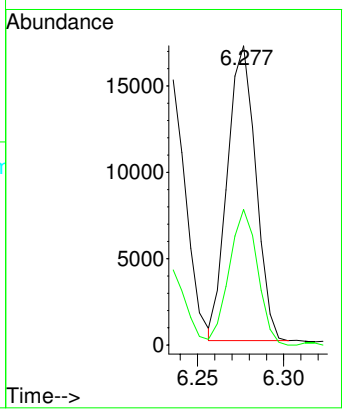


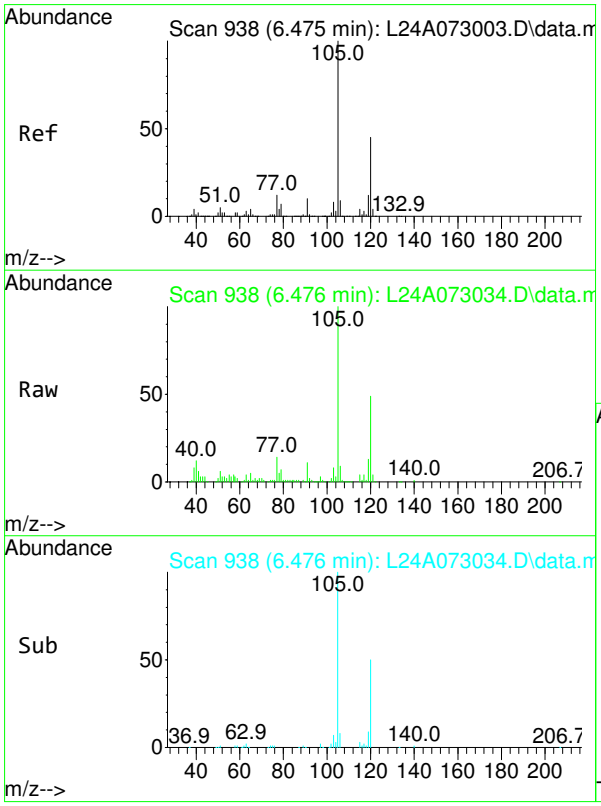


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.26 PPBV
RT: 6.277 min Scan# 899
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:105 Resp: 19584

Ion	Ratio	Lower	Upper
105	100		
120	46.1	26.9	66.9

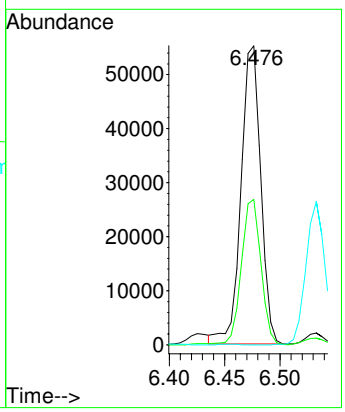


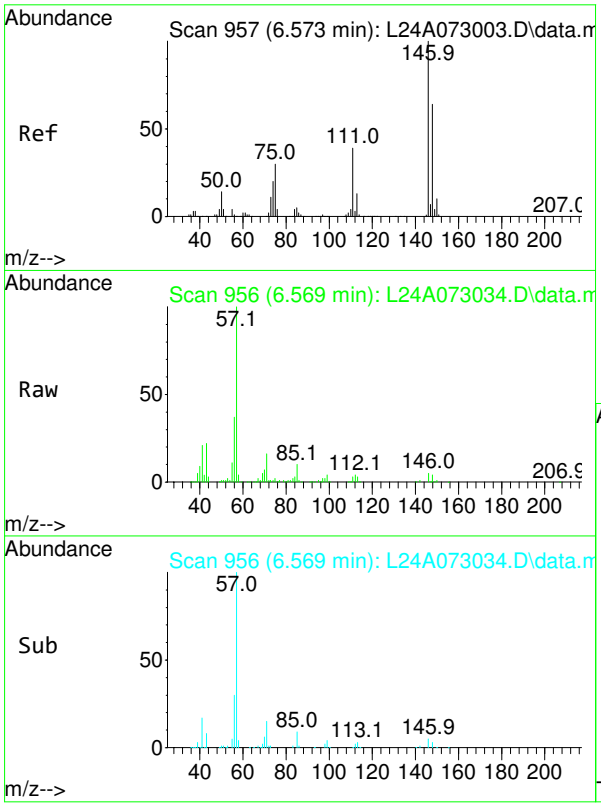


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.94 PPBV
RT: 6.476 min Scan# 938
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:105 Resp: 68631

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.0	64.0
207	0.2	0.0	20.0

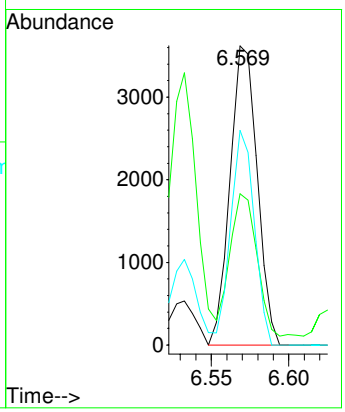


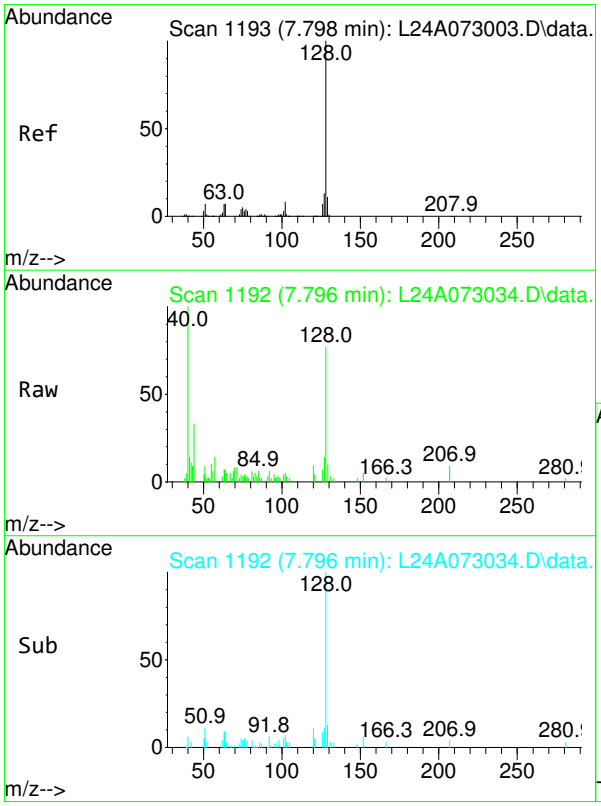


#64
1,4-DICHLOROBENZENE
Concen: 0.11 PPBV
RT: 6.569 min Scan# 956
Delta R.T. -0.008 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:146 Resp: 4438

Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.5	60.5
148	61.9	44.9	84.9

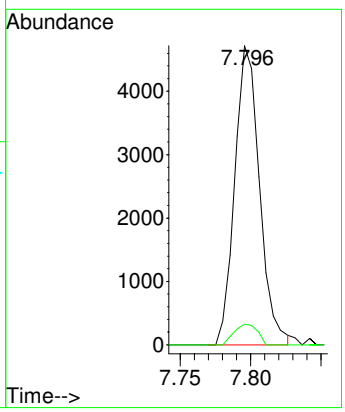


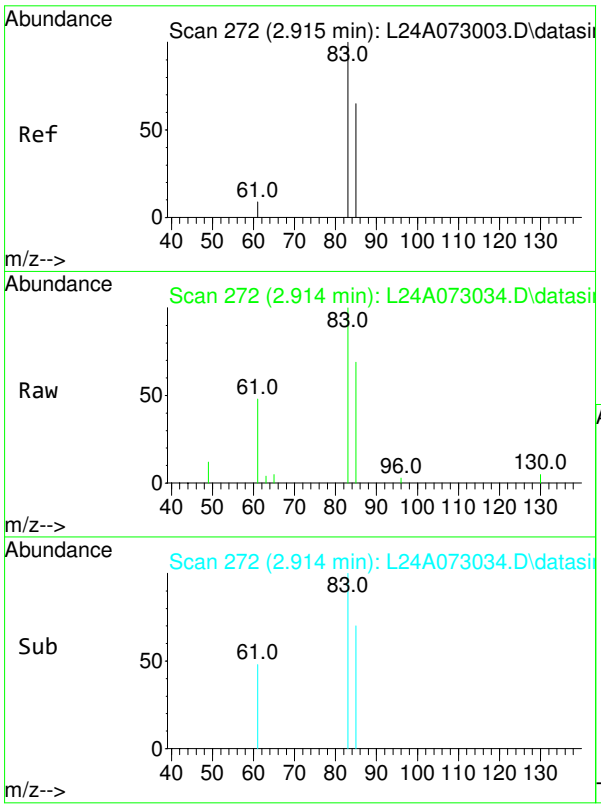


#67
NAPHTHALENE
Concen: 0.08 PPBV
RT: 7.796 min Scan# 1192
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:128 Resp: 5768

Ion	Ratio	Lower	Upper
128	100		
102	6.5	0.0	29.2

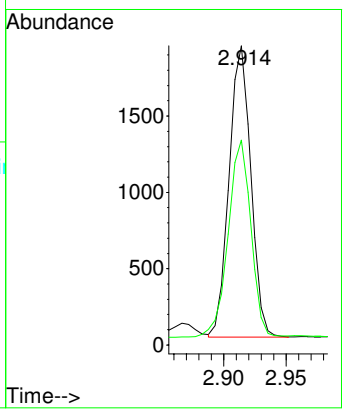


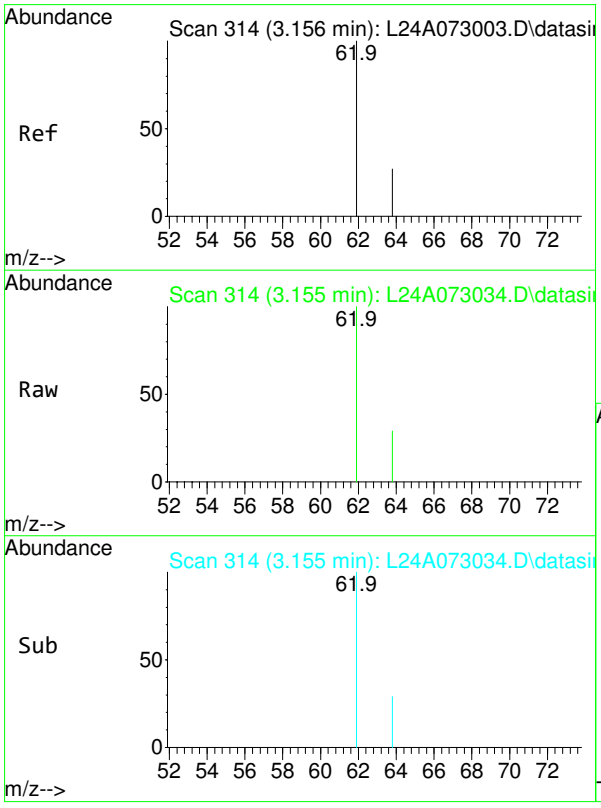


#75
CHLOROFORM (SIM)
Concen: 0.06 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 83 Resp: 2308

Ion	Ratio	Lower	Upper
83	100		
85	70.5	45.0	85.0

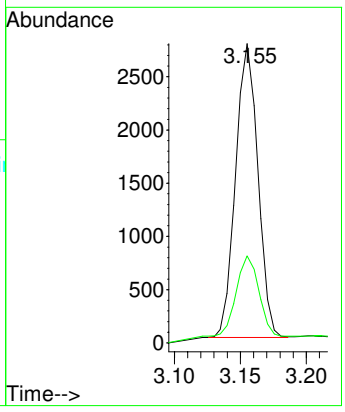


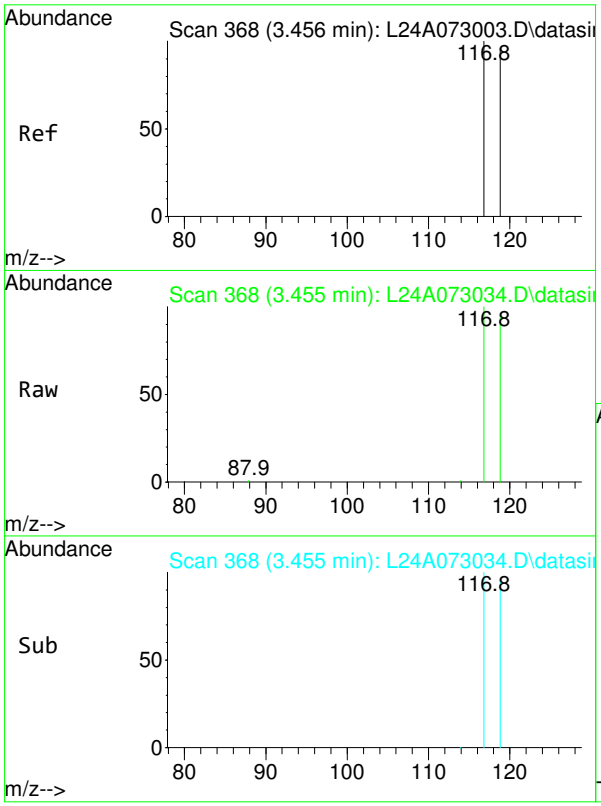


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.12 PPBV
RT: 3.155 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 62 Resp: 3162

Ion	Ratio	Lower	Upper
62	100		
64	27.5	7.0	47.0

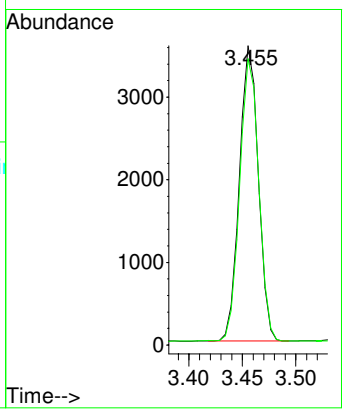




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.455 min Scan# 368
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:117 Resp: 4407

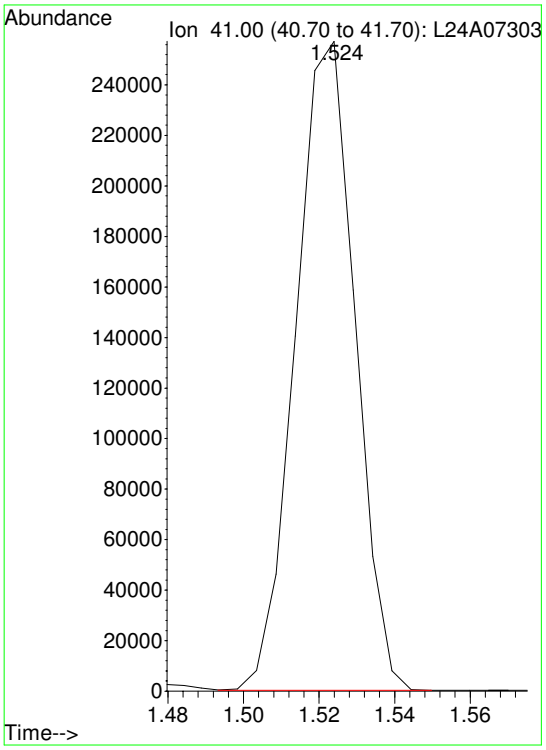
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

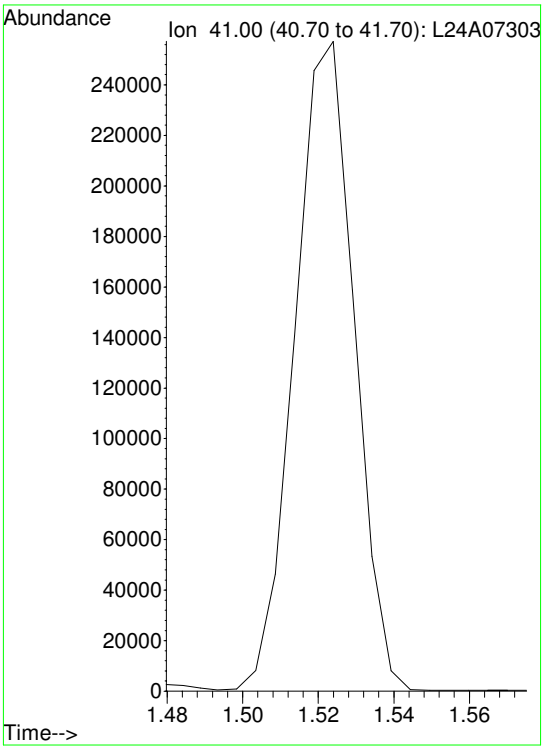
RT : 1.52
Area : 281237
Amount: 27.0167

Manual Int. Results

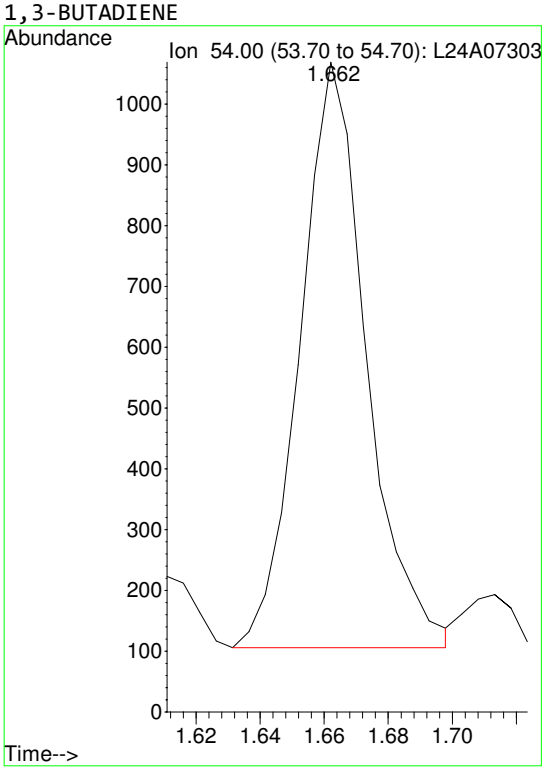
Fri Mar 15 11:18:52 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

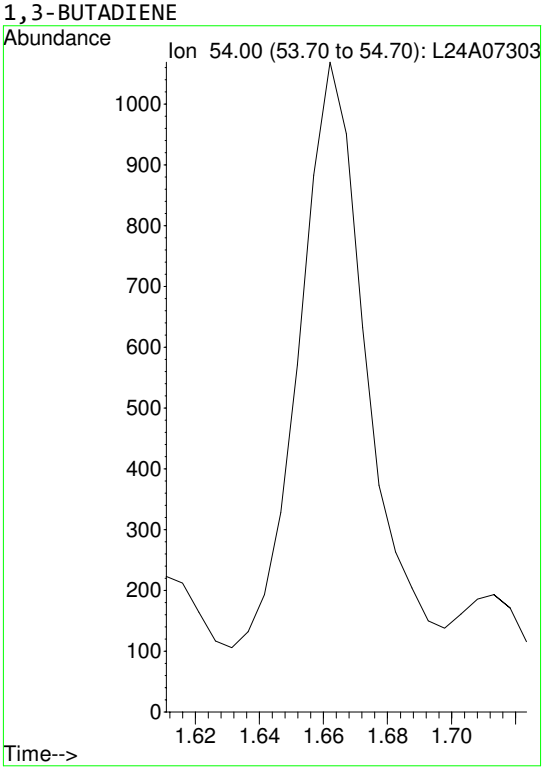
RT : 1.66
Area : 1384
Amount: 0.0983061

Manual Int. Results

Fri Mar 15 11:18:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

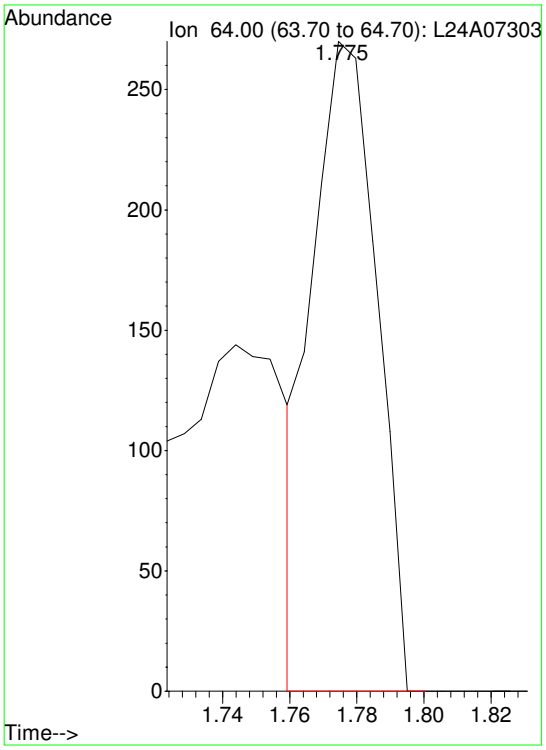
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

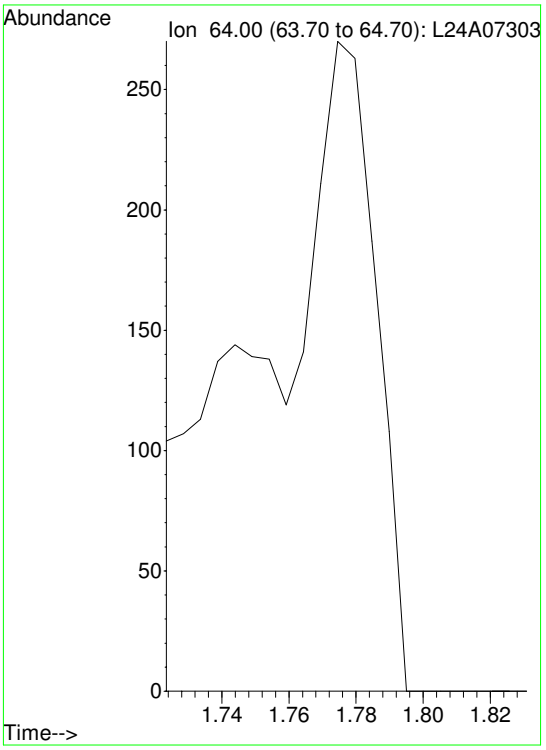
RT : 1.77
Area : 362
Amount: 0.0344181

Manual Int. Results

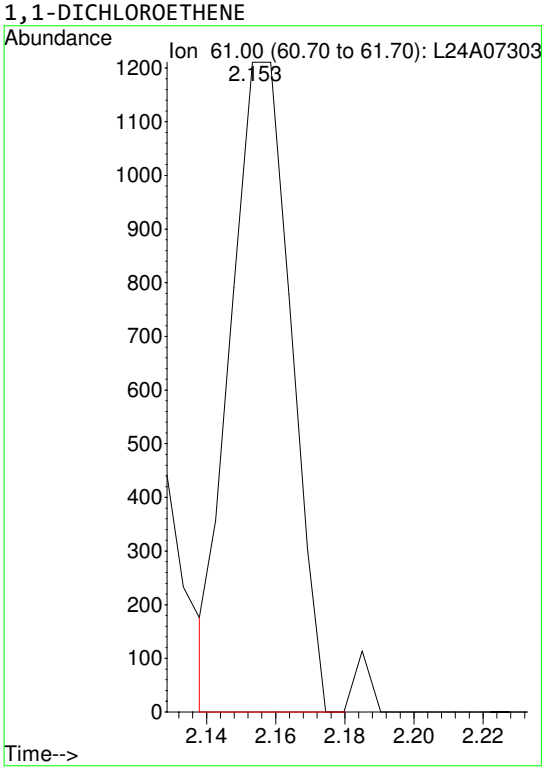
Fri Mar 15 11:19:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
1,1-DICHLOROETHENE



Original Int. Results

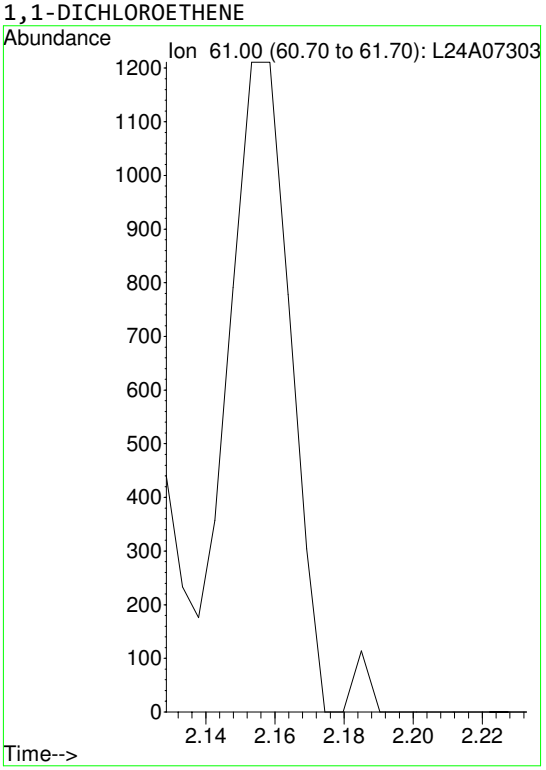
RT : 2.15
Area : 1459
Amount: 0.0506725

Manual Int. Results

Fri Mar 15 11:19:17 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

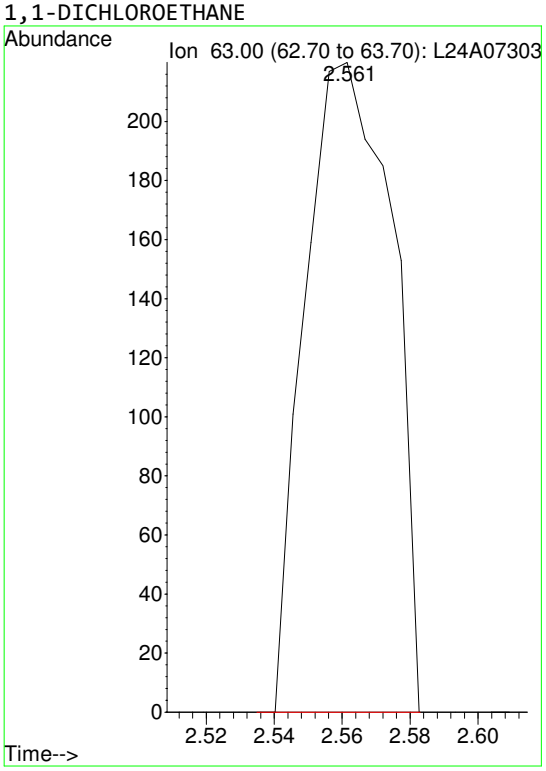
Manual Integration
1,1-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

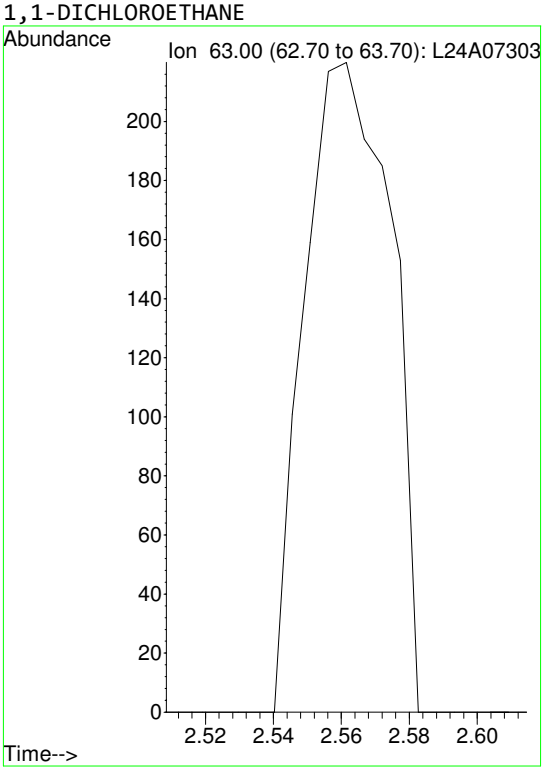
RT : 2.56
Area : 391
Amount: 0.0109899

Manual Int. Results

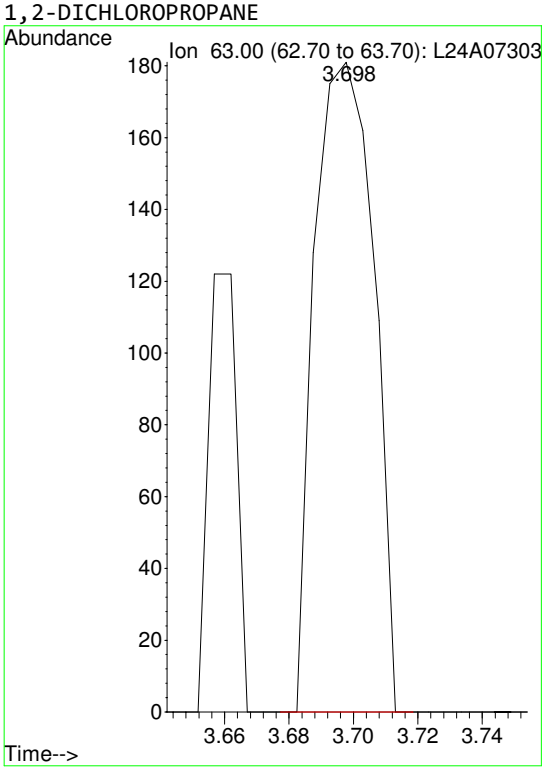
Fri Mar 15 11:19:25 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

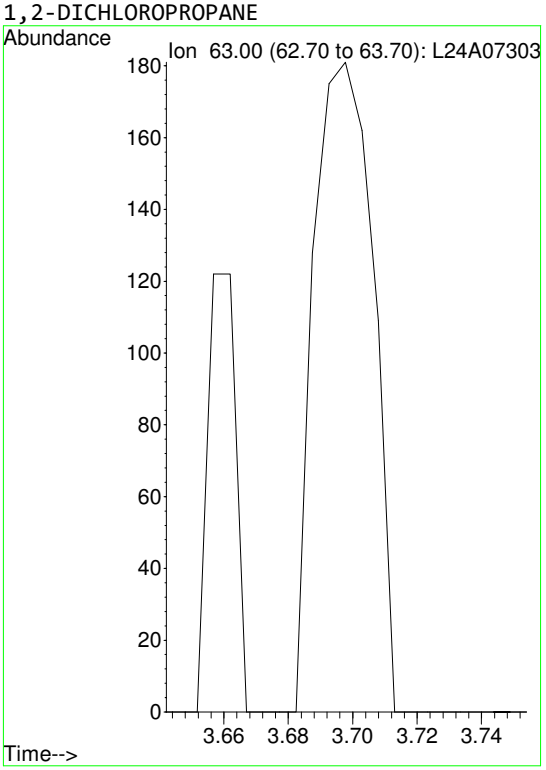
RT : 3.70
Area : 232
Amount: 0.0117605

Manual Int. Results

Fri Mar 15 11:19:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

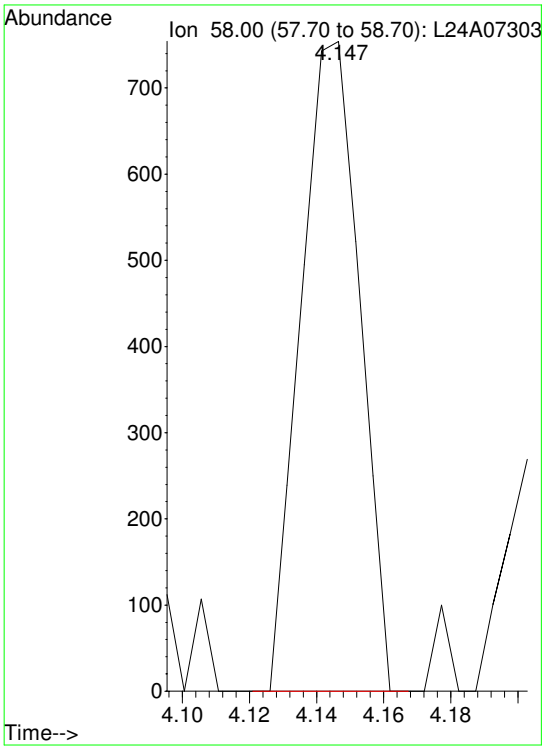
Manual Integration
1,2-DICHLOROPROPANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

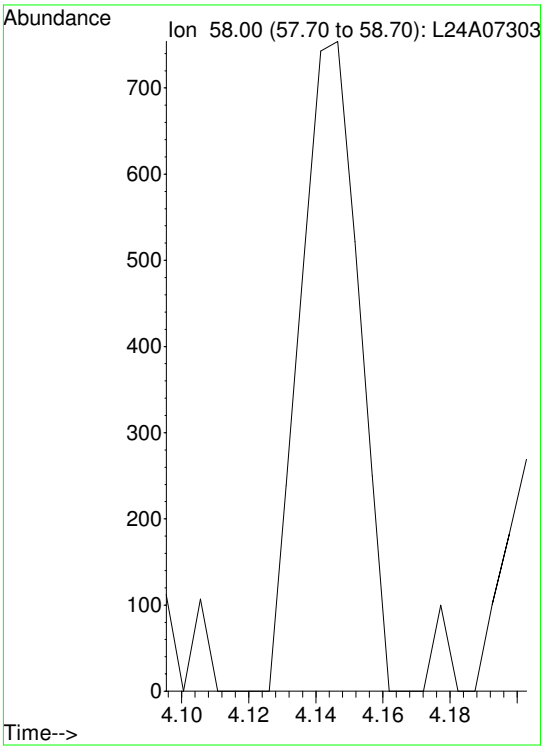
RT : 4.15
Area : 921
Amount: 0.0503142

Manual Int. Results

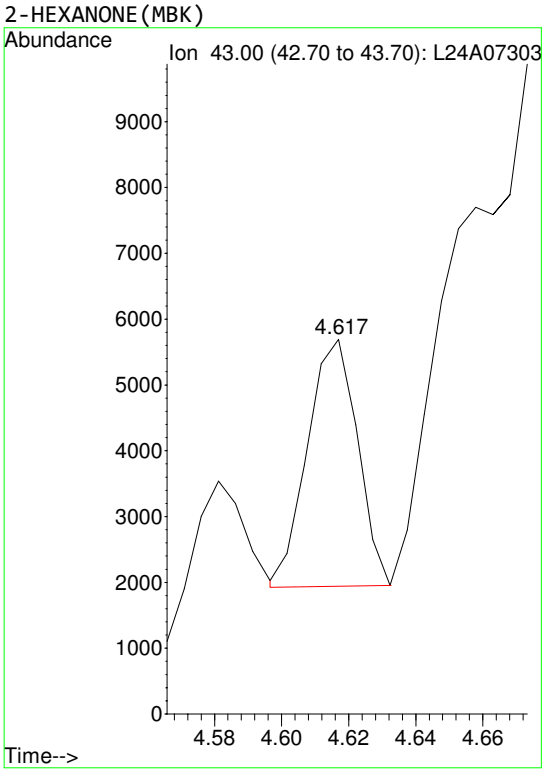
Fri Mar 15 11:19:57 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

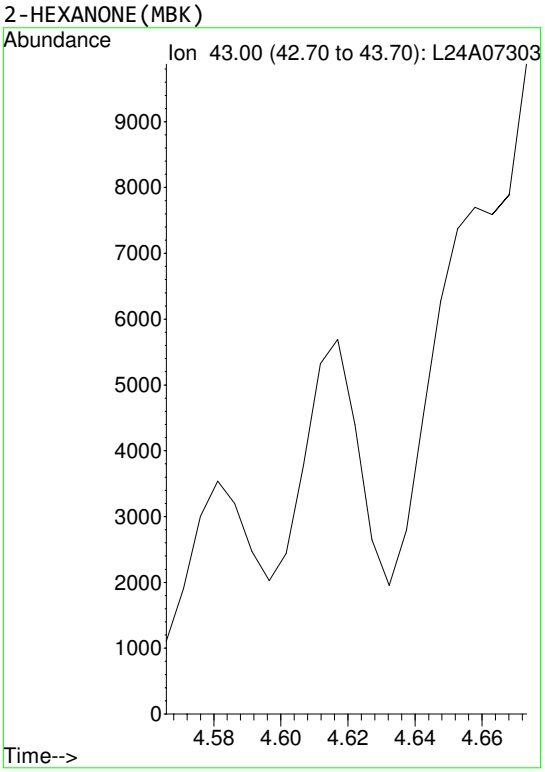
RT : 4.62
Area : 3883
Amount: 0.0905988

Manual Int. Results

Fri Mar 15 11:20:02 2024

MIuser: TPH
Reason: Other
RT : 0.00
Area : 0
Amount: 0

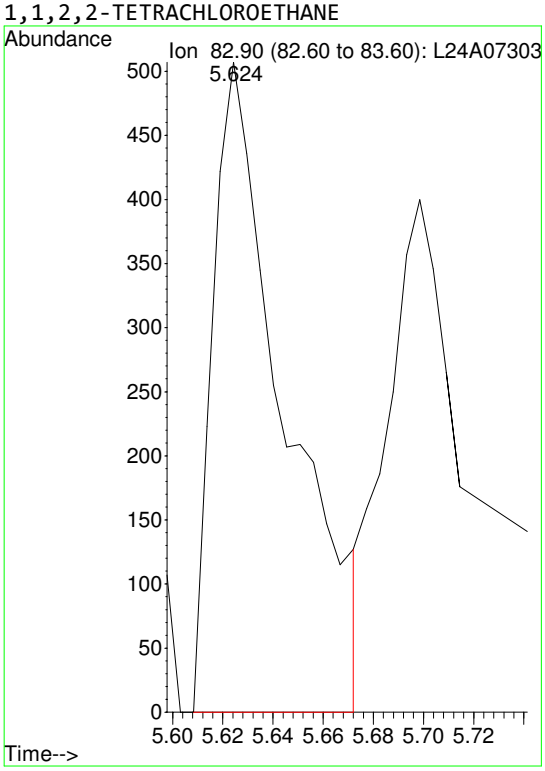
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

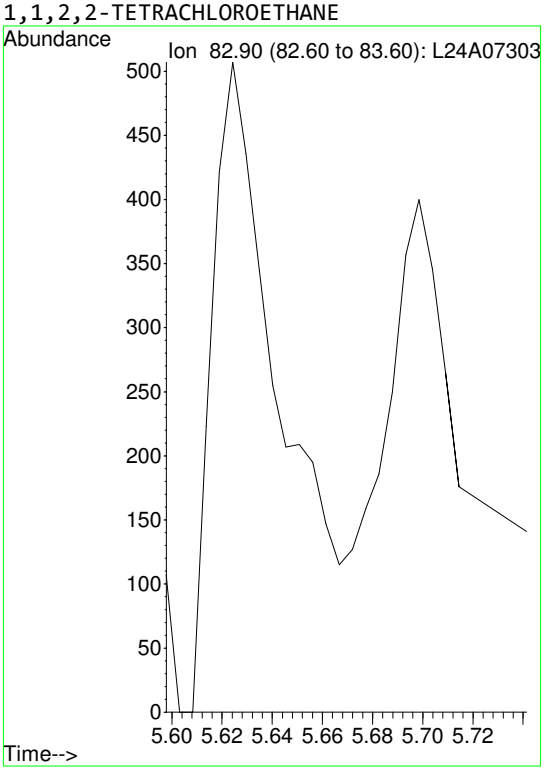
RT : 5.62
Area : 1015
Amount: 0.0207579

Manual Int. Results

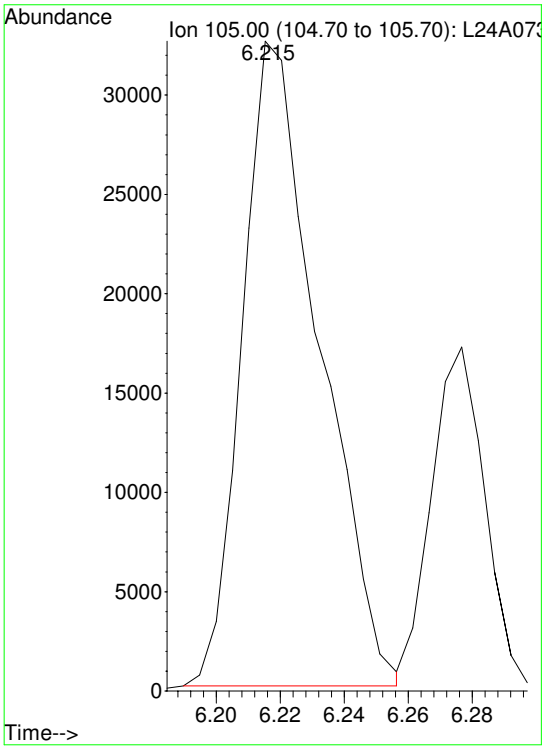
Fri Mar 15 11:20:19 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

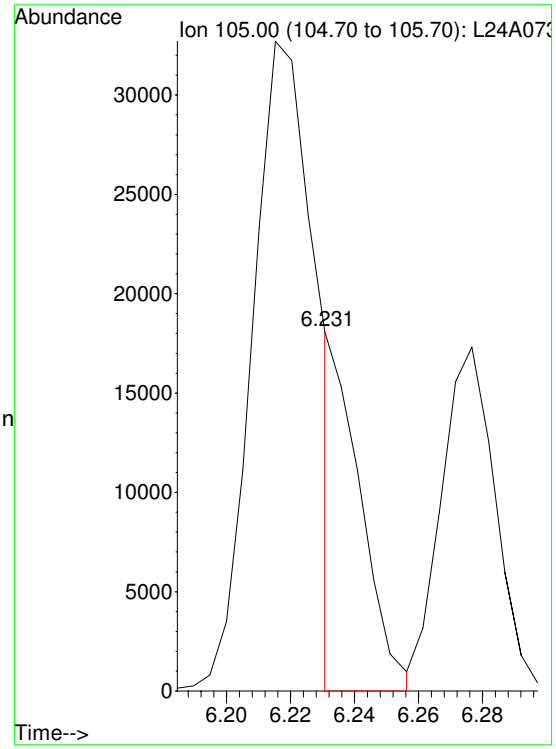
RT : 6.22
Area : 54322
Amount: 0.609186

Manual Int. Results

Fri Mar 15 11:20:25 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 10742
Amount: 0.120464

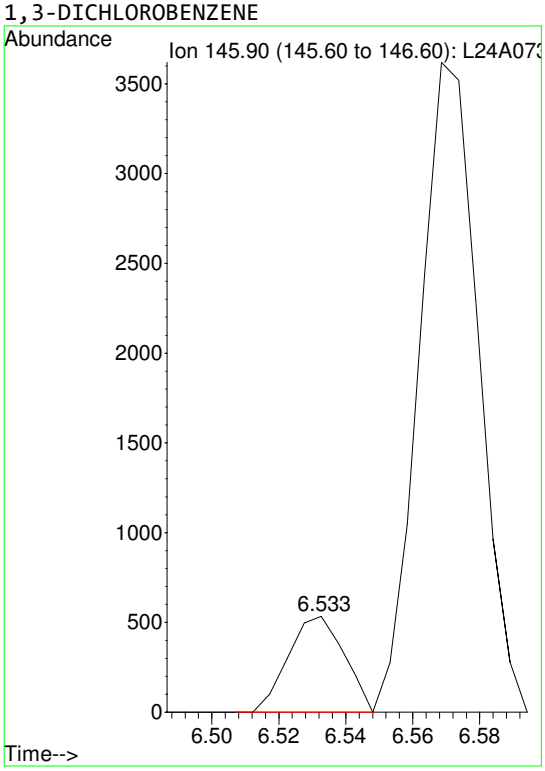
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

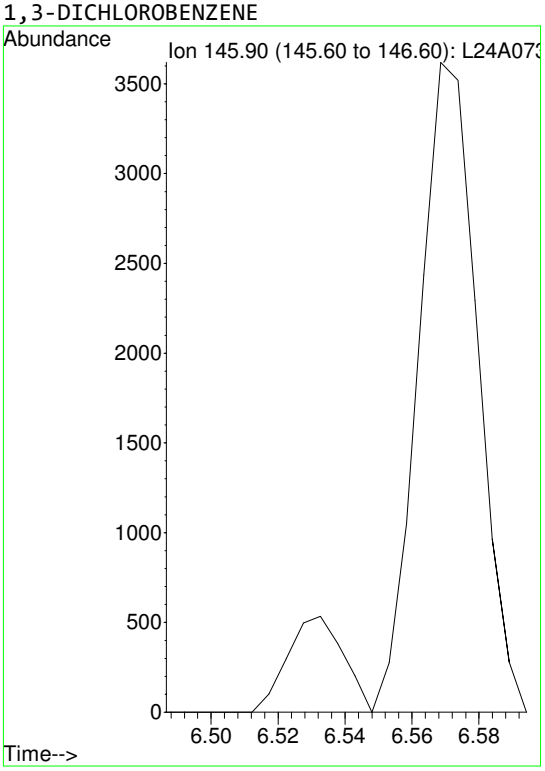
RT : 6.53
Area : 620
Amount: 0.013835

Manual Int. Results

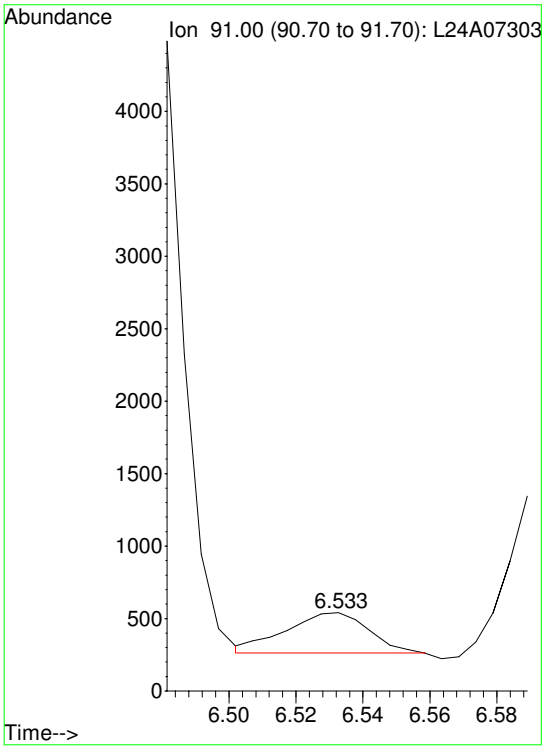
Fri Mar 15 11:20:35 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

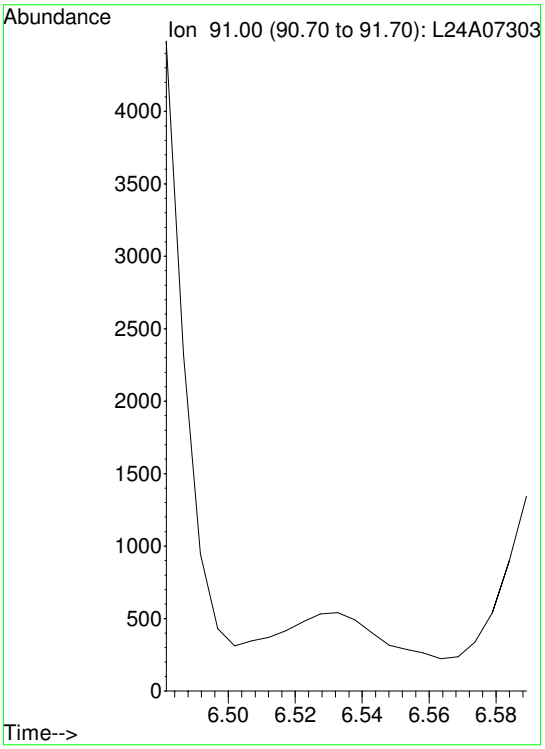
RT : 6.53
Area : 478
Amount: 0.0102541

Manual Int. Results

Fri Mar 15 11:20:29 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

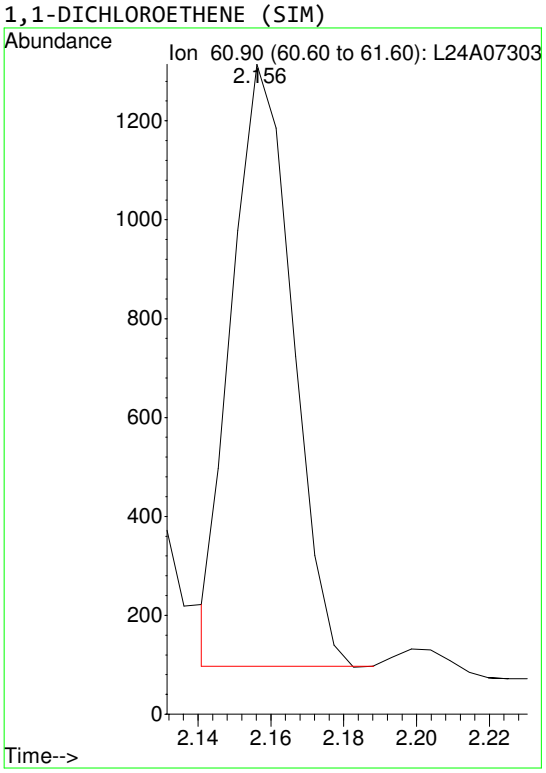
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

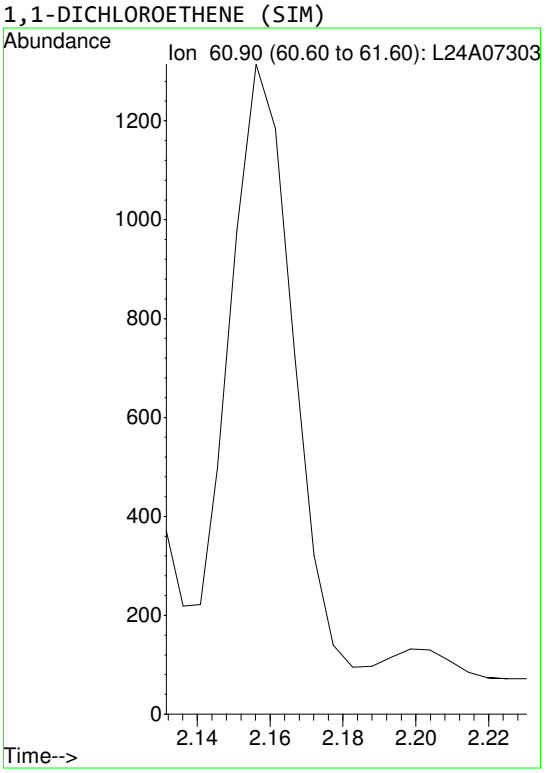
RT : 2.16
Area : 1406
Amount: 0.0451686

Manual Int. Results

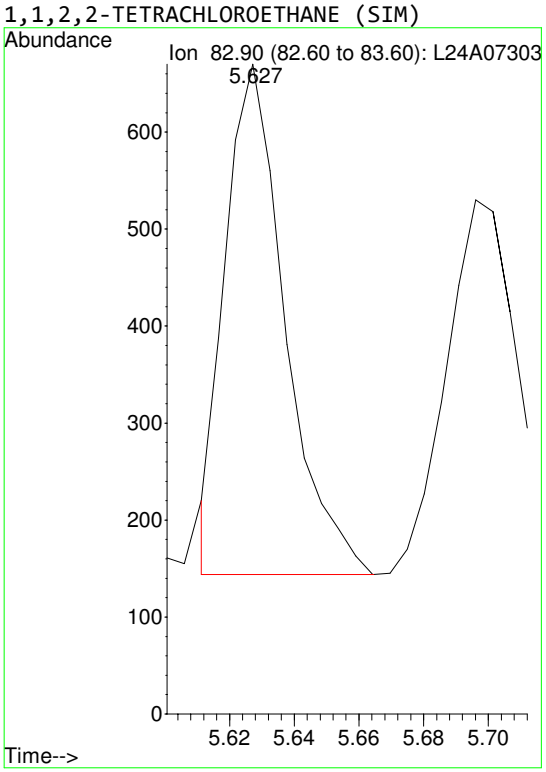
Fri Mar 15 11:20:43 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE (SIM)



Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

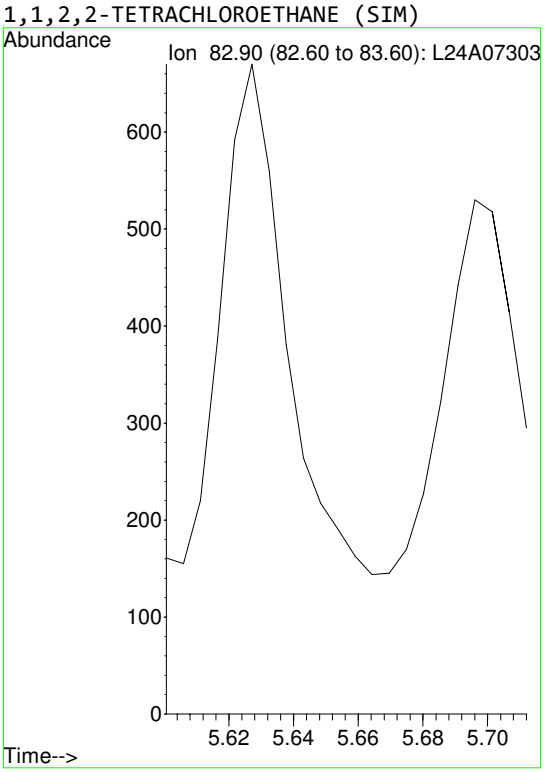
RT : 5.63
Area : 678
Amount: 0.0125886

Manual Int. Results

Fri Mar 15 11:20:46 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

EPA TO-15

Laboratory:	Pace New England	SDG:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Instrument:	SYSL

	BFB1 (SIM) (70% - 130%)	BFB1 (70% - 130%)
24C0251-04	97.5	93.0
24C0251-06	95.8	94.4
24C0251-08	97.3	93.0
24C0251-09	94.6	92.0
24C0251-11	95.8	94.8
B368535-BLK1	93.2	91.0
B368535-BS1	98.8	95.8

2 - FORM II
SYSTEM MONITORING COMPOUND SUMMARY
EPA TO-15

Laboratory:	Pace New England	SDG:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Instrument:	SYSL

	BFB1 (70% - 130%)
24C0251-01	92.6
24C0251-01RE1	87.1
24C0251-02	89.3
24C0251-03	93.5
24C0251-05	90.7
24C0251-07	92.1
24C0251-10	90.5
B368536-BLK1	91.0
B368536-BS1	95.8
B368536-DUP1	92.3

DUPLICATES

SSV-DUP-28022024

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Laboratory ID:	B368536-DUP1
Batch:	B368536	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Acetone	8.4	8.5	1.56		25
Benzene	0.052	0.052 J	0.00		25
Benzyl chloride	ND	ND			25
Bromodichloromethane	ND	ND			25
Bromoform	ND	ND			25
Bromomethane	ND	ND			25
1,3-Butadiene	ND	ND			25
2-Butanone (MEK)	ND	ND			25
Carbon Disulfide	ND	ND			25
Carbon Tetrachloride	ND	ND			25
Chlorobenzene	ND	ND			25
Chloroethane	ND	ND			25
Chloroform	7.0	6.8	2.34		25
Chloromethane	ND	ND			25
Cyclohexane	ND	ND			25
Dibromochloromethane	ND	ND			25
1,2-Dibromoethane (EDB)	ND	ND			25
1,2-Dichlorobenzene	ND	ND			25
1,3-Dichlorobenzene	ND	ND			25
1,4-Dichlorobenzene	ND	ND			25
Dichlorodifluoromethane (Freon 12)	0.25	0.35 R-04	33.1	*	25
1,1-Dichloroethane	ND	ND			25
1,2-Dichloroethane	ND	ND			25
1,1-Dichloroethylene	ND	ND			25
cis-1,2-Dichloroethylene	ND	ND			25
trans-1,2-Dichloroethylene	ND	ND			25
1,2-Dichloropropane	ND	ND			25
cis-1,3-Dichloropropene	ND	ND			25
trans-1,3-Dichloropropene	ND	ND			25

DUPLICATES

SSV-DUP-28022024

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Laboratory ID:	B368536-DUP1
Batch:	B368536	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
1,2-Dichloro-1,1,2,2-tetrafluoroethane (I	ND	ND			25
1,4-Dioxane	ND	ND			25
Ethanol	11	9.2	14.2		25
Ethyl Acetate	ND	ND			25
Ethylbenzene	ND	ND			25
4-Ethyltoluene	ND	ND			25
Heptane	0.11	0.12	13.8		25
Hexachlorobutadiene	ND	ND			25
Hexane	ND	ND			25
2-Hexanone (MBK)	ND	ND			25
Isopropanol	ND	ND			25
Methyl tert-Butyl Ether (MTBE)	ND	ND			25
Methylene Chloride	ND	ND			25
4-Methyl-2-pentanone (MIBK)	ND	ND			25
Naphthalene	ND	ND			25
Propene	ND	ND			25
Styrene	ND	ND			25
1,1,2,2-Tetrachloroethane	ND	ND			25
Tetrachloroethylene	0.11	0.12	8.40		25
Tetrahydrofuran	ND	ND			25
Toluene	0.062	0.060 J	3.28		25
1,2,4-Trichlorobenzene	ND	ND			25
1,1,1-Trichloroethane	0.26	0.24	8.76		25
1,1,2-Trichloroethane	ND	ND			25
Trichloroethylene	ND	ND			25
Trichlorofluoromethane (Freon 11)	0.28	0.26 J	6.69		25
1,1,2-Trichloro-1,2,2-trifluoroethane (Fre	0.10	0.090 J	10.5		25
1,2,4-Trimethylbenzene	ND	ND			25
1,3,5-Trimethylbenzene	ND	ND			25

DUPLICATES

SSV-DUP-28022024

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Laboratory ID:	B368536-DUP1
Batch:	B368536	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Vinyl Acetate	ND	ND			25
Vinyl Chloride	ND	ND			25
m&p-Xylene	ND	ND			25
o-Xylene	ND	ND			25

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368535	Laboratory ID:	B368535-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Acetone	5.00	3.92	78.3	70 - 130
Benzene	5.00	5.13	103	70 - 130
Benzyl chloride	5.00	4.42	88.3	70 - 130
Bromodichloromethane	5.00	4.76	95.1	70 - 130
Bromodichloromethane (SIM)	5.00	4.62	92.5	70 - 130
Bromoform	5.00	4.73	94.6	70 - 130
Bromomethane	5.00	5.42	108	70 - 130
1,3-Butadiene	5.00	4.93	98.6	70 - 130
2-Butanone (MEK)	5.00	4.40	88.0	70 - 130
Carbon Disulfide	5.00	5.46	109	70 - 130
Carbon Tetrachloride	5.00	4.64	92.8	70 - 130
Carbon Tetrachloride (SIM)	5.00	4.56	91.2	70 - 130
Chlorobenzene	5.00	5.21	104	70 - 130
Chloroethane	5.00	4.96	99.1	70 - 130
Chloroform	5.00	5.39	108	70 - 130
Chloroform (SIM)	5.00	5.43	109	70 - 130
Chloromethane	5.00	4.75	95.0	70 - 130
Cyclohexane	5.00	5.01	100	70 - 130
Dibromochloromethane	5.00	4.93	98.7	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.18	104	70 - 130
1,2-Dichlorobenzene	5.00	5.17	103	70 - 130
1,3-Dichlorobenzene	5.00	5.77	115	70 - 130
1,4-Dichlorobenzene	5.00	5.82	116	70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	5.04	101	70 - 130
1,1-Dichloroethane	5.00	4.66	93.2	70 - 130
1,1-Dichloroethane (SIM)	5.00	4.76	95.1	70 - 130
1,2-Dichloroethane	5.00	4.41	88.1	70 - 130
1,2-Dichloroethane (SIM)	5.00	4.48	89.6	70 - 130
1,1-Dichloroethylene	5.00	4.99	99.8	70 - 130
1,1-Dichloroethylene (SIM)	5.00	4.98	99.6	70 - 130
cis-1,2-Dichloroethylene	5.00	5.14	103	70 - 130
cis-1,2-Dichloroethylene (SIM)	5.00	5.13	103	70 - 130
trans-1,2-Dichloroethylene	5.00	4.47	89.5	70 - 130
trans-1,2-Dichloroethylene (SIM)	5.00	4.57	91.4	70 - 130
1,2-Dichloropropane	5.00	5.44	109	70 - 130
1,2-Dichloropropane (SIM)	5.00	5.47	109	70 - 130
cis-1,3-Dichloropropene	5.00	5.24	105	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368535	Laboratory ID:	B368535-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
cis-1,3-Dichloropropene (SIM)	5.00	5.11	102	70 - 130
trans-1,3-Dichloropropene	5.00	4.88	97.6	70 - 130
trans-1,3-Dichloropropene (SIM)	5.00	4.58	91.7	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.88	97.7	70 - 130
1,4-Dioxane	5.00	5.52	110	70 - 130
Ethanol	5.00	5.16	103	70 - 130
Ethyl Acetate	5.00	3.99	79.7	70 - 130
Ethylbenzene	5.00	5.21	104	70 - 130
4-Ethyltoluene	5.00	5.31	106	70 - 130
Heptane	5.00	4.87	97.5	70 - 130
Hexachlorobutadiene	5.00	4.35	87.0	70 - 130
Hexane	5.00	4.11	82.1	70 - 130
2-Hexanone (MBK)	5.00	4.77	95.4	70 - 130
Isopropanol	5.00	4.54	90.9	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.56	91.1	70 - 130
Methylene Chloride	5.00	4.43	88.6	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.24	105	70 - 130
Naphthalene	5.00	4.87	97.3	70 - 130
Propene	5.00	5.05	101	70 - 130
Styrene	5.00	5.35	107	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.92	118	70 - 130
1,1,2,2-Tetrachloroethane (SIM)	5.00	5.73	115	70 - 130
Tetrachloroethylene	5.00	5.06	101	70 - 130
Tetrahydrofuran	5.00	4.27	85.4	70 - 130
Toluene	5.00	5.31	106	70 - 130
1,2,4-Trichlorobenzene	5.00	4.46	89.2	70 - 130
1,1,1-Trichloroethane	5.00	4.42	88.5	70 - 130
1,1,2-Trichloroethane	5.00	5.70	114	70 - 130
1,1,2-Trichloroethane (SIM)	5.00	5.56	111	70 - 130
Trichloroethylene	5.00	4.85	97.1	70 - 130
Trichloroethylene (SIM)	5.00	4.95	99.0	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.76	95.1	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.24	105	70 - 130
1,2,4-Trimethylbenzene	5.00	5.20	104	70 - 130
1,3,5-Trimethylbenzene	5.00	5.30	106	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368535	Laboratory ID:	B368535-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Vinyl Acetate	5.00	4.77	95.5	70 - 130
Vinyl Chloride	5.00	5.26	105	70 - 130
Vinyl Chloride (SIM)	5.00	5.54	111	70 - 130
m&p-Xylene	10.0	10.6	106	70 - 130
o-Xylene	5.00	5.38	108	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368536	Laboratory ID:	B368536-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Acetone	5.00	3.92	78.3	70 - 130
Benzene	5.00	5.13	103	70 - 130
Benzyl chloride	5.00	4.42	88.3	70 - 130
Bromodichloromethane	5.00	4.76	95.1	70 - 130
Bromoform	5.00	4.73	94.6	70 - 130
Bromomethane	5.00	5.42	108	70 - 130
1,3-Butadiene	5.00	4.93	98.6	70 - 130
2-Butanone (MEK)	5.00	4.40	88.0	70 - 130
Carbon Disulfide	5.00	5.46	109	70 - 130
Carbon Tetrachloride	5.00	4.64	92.8	70 - 130
Chlorobenzene	5.00	5.21	104	70 - 130
Chloroethane	5.00	4.96	99.1	70 - 130
Chloroform	5.00	5.39	108	70 - 130
Chloromethane	5.00	4.75	95.0	70 - 130
Cyclohexane	5.00	5.01	100	70 - 130
Dibromochloromethane	5.00	4.93	98.7	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.18	104	70 - 130
1,2-Dichlorobenzene	5.00	5.17	103	70 - 130
1,3-Dichlorobenzene	5.00	5.77	115	70 - 130
1,4-Dichlorobenzene	5.00	5.82	116	70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	5.04	101	70 - 130
1,1-Dichloroethane	5.00	4.66	93.2	70 - 130
1,2-Dichloroethane	5.00	4.41	88.1	70 - 130
1,1-Dichloroethylene	5.00	4.99	99.8	70 - 130
cis-1,2-Dichloroethylene	5.00	5.14	103	70 - 130
trans-1,2-Dichloroethylene	5.00	4.47	89.5	70 - 130
1,2-Dichloropropane	5.00	5.44	109	70 - 130
cis-1,3-Dichloropropene	5.00	5.24	105	70 - 130
trans-1,3-Dichloropropene	5.00	4.88	97.6	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.88	97.7	70 - 130
1,4-Dioxane	5.00	5.52	110	70 - 130
Ethanol	5.00	5.16	103	70 - 130
Ethyl Acetate	5.00	3.99	79.7	70 - 130
Ethylbenzene	5.00	5.21	104	70 - 130
4-Ethyltoluene	5.00	5.31	106	70 - 130
Heptane	5.00	4.87	97.5	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368536	Laboratory ID:	B368536-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	5.00	4.35	87.0	70 - 130
Hexane	5.00	4.11	82.1	70 - 130
2-Hexanone (MBK)	5.00	4.77	95.4	70 - 130
Isopropanol	5.00	4.54	90.9	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.56	91.1	70 - 130
Methylene Chloride	5.00	4.43	88.6	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.24	105	70 - 130
Naphthalene	5.00	4.87	97.3	70 - 130
Propene	5.00	5.05	101	70 - 130
Styrene	5.00	5.35	107	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.92	118	70 - 130
Tetrachloroethylene	5.00	5.06	101	70 - 130
Tetrahydrofuran	5.00	4.27	85.4	70 - 130
Toluene	5.00	5.31	106	70 - 130
1,2,4-Trichlorobenzene	5.00	4.46	89.2	70 - 130
1,1,1-Trichloroethane	5.00	4.42	88.5	70 - 130
1,1,2-Trichloroethane	5.00	5.70	114	70 - 130
Trichloroethylene	5.00	4.85	97.1	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.76	95.1	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.24	105	70 - 130
1,2,4-Trimethylbenzene	5.00	5.20	104	70 - 130
1,3,5-Trimethylbenzene	5.00	5.30	106	70 - 130
Vinyl Acetate	5.00	4.77	95.5	70 - 130
Vinyl Chloride	5.00	5.26	105	70 - 130
m&p-Xylene	10.0	10.6	106	70 - 130
o-Xylene	5.00	5.38	108	70 - 130

4 - FORM IV
METHOD BLANK SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Blank ID:	B368535-BLK1 Batch: B368535	Prepared:	03/13/2024 10:00

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B368535-BS1	L24A073025.D	22:21
5AVE-IA-3-28022024	24C0251-04	L24A073030.D	00:50
5AVE-IA-2-28022024	24C0251-06	L24A073031.D	01:23
5AVE-IA-1-28022024	24C0251-08	L24A073032.D	01:56
5AVE-OA-1-28022024	24C0251-09	L24A073033.D	02:29
IA-DUP-28022024	24C0251-11	L24A073034.D	03:03

4 - FORM IV
METHOD BLANK SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Blank ID:	B368536-BLK1 Batch: B368536	Prepared:	03/13/2024 10:00

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B368536-BS1	L24A073025.D	22:21
SSV-DUP-28022024	24C0251-10	L24A073035.D	03:31
Duplicate	B368536-DUP1	L24A073036.D	03:59
5AVE-SSV-1-28022024	24C0251-07	L24A073037.D	04:27
5AVE-SSV-2-28022024	24C0251-05	L24A073038.D	04:55
5AVE-SSV-3-28022024	24C0251-03	L24A073039.D	05:23
CVS-SV-1-28022024	24C0251-02	L24A073040.D	05:51
CVS-SV-2-28022024	24C0251-01	L24A073041.D	06:19
CVS-SV-2-28022024	24C0251-01RE1	L24A073042.D	06:46

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Lab File ID:	L23A214003.D	Injection Date:	08/02/23
Instrument ID:	SYSL	Injection Time:	16:08
Sequence:	S091464	Lab Sample ID:	S091464-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	20.3	PASS
75	30 - 66% of 95	52.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.6	PASS
173	Less than 2% of 174	0.859	PASS
174	50 - 120% of 95	74.3	PASS
175	4 - 9% of 174	7.27	PASS
176	93 - 101% of 174	98	PASS
177	5 - 9% of 176	6.39	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
0.005	S091464-CAL1	L23A214004.D	08/02/2023	16:32:00
0.010	S091464-CAL2	L23A214005.D	08/02/2023	16:58:00
0.020	S091464-CAL3	L23A214006.D	08/02/2023	17:24:00
0.025	S091464-CAL4	L23A214007.D	08/02/2023	17:50:00
0.050	S091464-CAL5	L23A214008.D	08/02/2023	18:17:00
0.10	S091464-CAL6	L23A214009.D	08/02/2023	18:43:00
0.20	S091464-CAL7	L23A214010.D	08/02/2023	19:09:00
0.25	S091464-CAL8	L23A214011.D	08/02/2023	19:35:00
0.50	S091464-CAL9	L23A214012.D	08/02/2023	20:01:00
1.0	S091464-CALA	L23A214013.D	08/02/2023	20:30:00
2.0	S091464-CALB	L23A214014.D	08/02/2023	20:55:00
5.0	S091464-CALC	L23A214015.D	08/02/2023	21:21:00
10.0	S091464-CALD	L23A214016.D	08/02/2023	21:48:00
20.0	S091464-CALE	L23A214017.D	08/02/2023	22:17:00
50.0	S091464-CALF	L23A214018.D	08/02/2023	22:50:00
5.0 ICV	S091464-ICV1	L23A214020.D	08/02/2023	23:42:00

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Lab File ID:	L24A073002.D	Injection Date:	03/13/24
Instrument ID:	SYSL	Injection Time:	10:00
Sequence:	S101689	Lab Sample ID:	S101689-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	15.1	PASS
75	30 - 66% of 95	46	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.3	PASS
173	Less than 2% of 174	0.896	PASS
174	50 - 120% of 95	71.1	PASS
175	4 - 9% of 174	7.71	PASS
176	93 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.88	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S101689-CCV1	L24A073003.D	03/13/2024	10:26:00
LCS	B368535-BS1	L24A073025.D	03/13/2024	22:21:00
Blank	B368535-BLK1	L24A073028.D	03/13/2024	23:50:00
5AVE-IA-3-28022024	24C0251-04	L24A073030.D	03/14/2024	0:50:00
5AVE-IA-2-28022024	24C0251-06	L24A073031.D	03/14/2024	1:23:00
5AVE-IA-1-28022024	24C0251-08	L24A073032.D	03/14/2024	1:56:00
5AVE-OA-1-28022024	24C0251-09	L24A073033.D	03/14/2024	2:29:00
IA-DUP-28022024	24C0251-11	L24A073034.D	03/14/2024	3:03:00

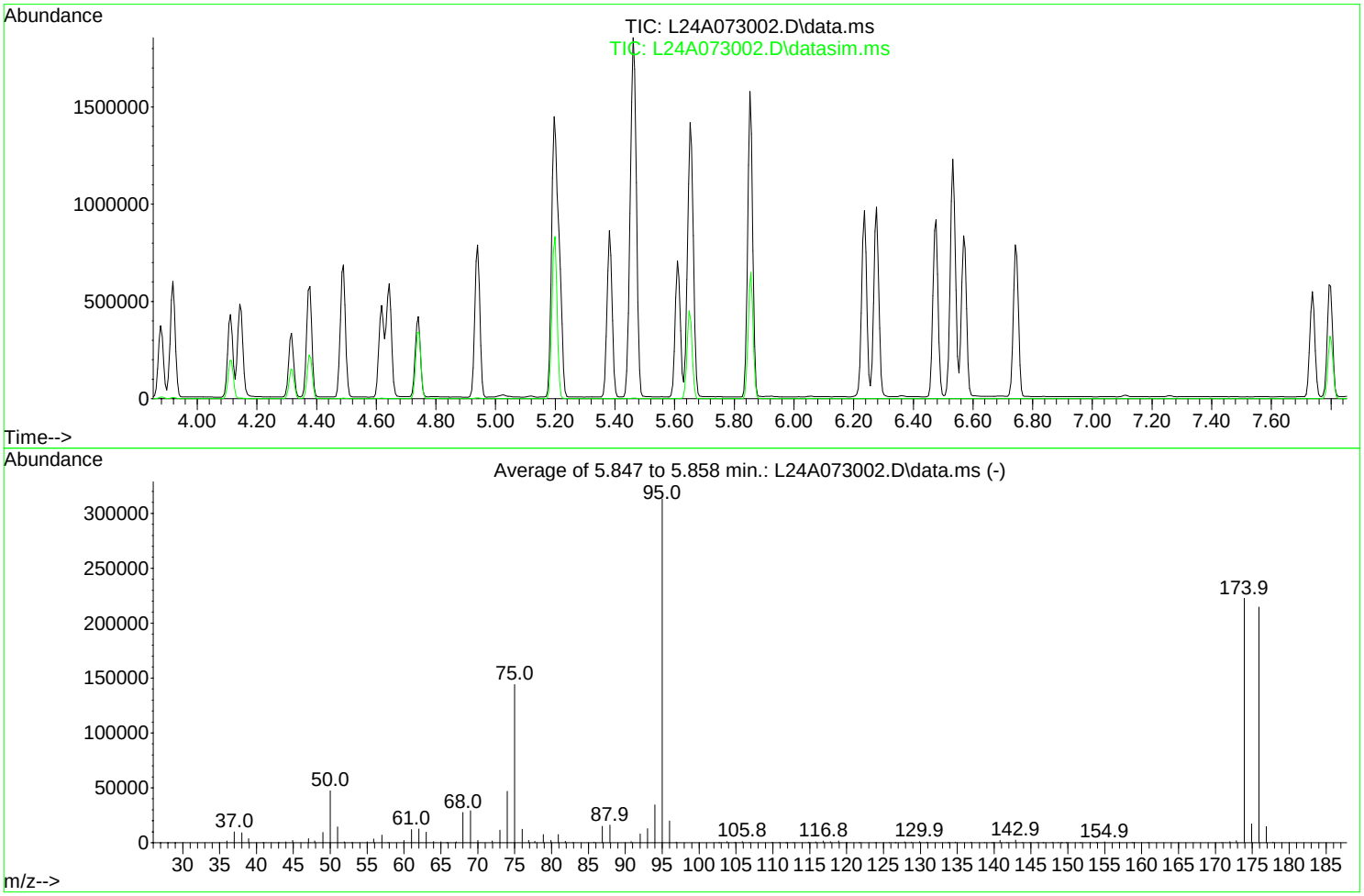
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409

Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073002.D
Acq On : 13 Mar 2024 10:00 am
Operator : CMR
Sample : BFB
Misc : CTIS-612-2182
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
DataAcq Meth:TOSIMSCAN-TW1.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Wed Nov 01 12:42:22 2023



AutoFind: Scans 815, 816, 817; Background Corrected with Scan 808

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.1	47341	PASS
75	95	30	66	46.0	144136	PASS
95	95	100	100	100.0	313131	PASS
96	95	5	9	6.3	19723	PASS
173	174	0.00	2	0.9	1994	PASS
174	95	50	120	71.1	222571	PASS
175	174	4	9	7.7	17161	PASS
176	174	93	101	96.4	214528	PASS
177	176	5	9	6.9	14770	PASS

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Lab File ID:	L24A073002.D	Injection Date:	03/13/24
Instrument ID:	SYSL	Injection Time:	10:00
Sequence:	S101690	Lab Sample ID:	S101690-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	15.1	PASS
75	30 - 66% of 95	46	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.3	PASS
173	Less than 2% of 174	0.896	PASS
174	50 - 120% of 95	71.1	PASS
175	4 - 9% of 174	7.71	PASS
176	93 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.88	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S101690-CCV1	L24A073003.D	03/13/2024	10:26:00
LCS	B368536-BS1	L24A073025.D	03/13/2024	22:21:00
Blank	B368536-BLK1	L24A073028.D	03/13/2024	23:50:00
SSV-DUP-28022024	24C0251-10	L24A073035.D	03/14/2024	3:31:00
Duplicate	B368536-DUP1	L24A073036.D	03/14/2024	3:59:00
5AVE-SSV-1-28022024	24C0251-07	L24A073037.D	03/14/2024	4:27:00
5AVE-SSV-2-28022024	24C0251-05	L24A073038.D	03/14/2024	4:55:00
5AVE-SSV-3-28022024	24C0251-03	L24A073039.D	03/14/2024	5:23:00
CVS-SV-1-28022024	24C0251-02	L24A073040.D	03/14/2024	5:51:00
CVS-SV-2-28022024	24C0251-01	L24A073041.D	03/14/2024	6:19:00
CVS-SV-2-28022024	24C0251-01RE1	L24A073042.D	03/14/2024	6:46:00

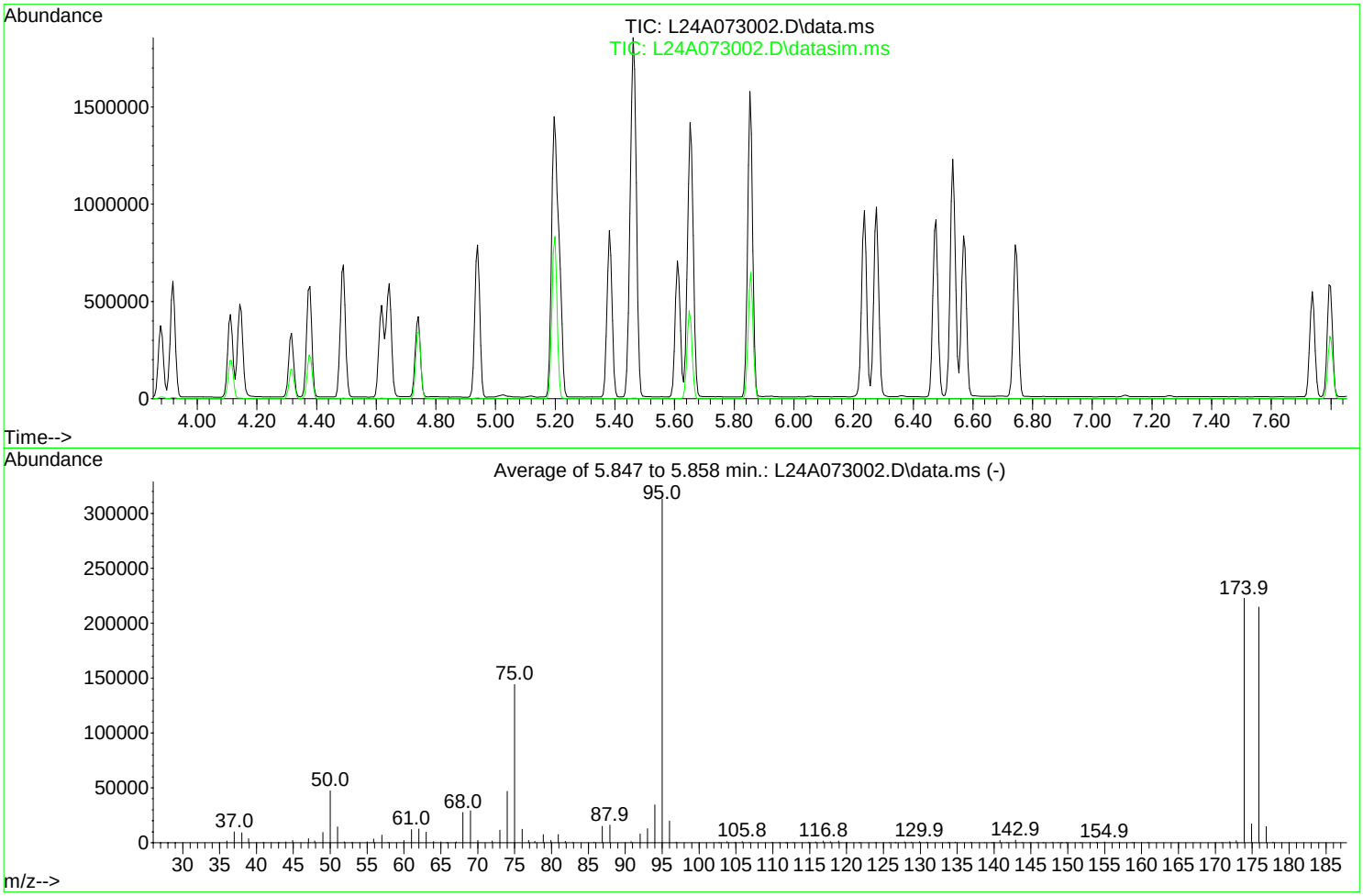
BFB

411

Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073002.D
Acq On : 13 Mar 2024 10:00 am
Operator : CMR
Sample : BFB
Misc : CTIS-612-2182
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
DataAcq Meth:TOSIMSCAN-TW1.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Wed Nov 01 12:42:22 2023



AutoFind: Scans 815, 816, 817; Background Corrected with Scan 808

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.1	47341	PASS
75	95	30	66	46.0	144136	PASS
95	95	100	100	100.0	313131	PASS
96	95	5	9	6.3	19723	PASS
173	174	0.00	2	0.9	1994	PASS
174	95	50	120	71.1	222571	PASS
175	174	4	9	7.7	17161	PASS
176	174	93	101	96.4	214528	PASS
177	176	5	9	6.9	14770	PASS

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acetone												
Acrolein											0.1	0.3885115
Benzene							0.025	0.8405486	0.05	0.739919	0.1	0.7347861
Benzyl chloride									0.05	0.5291838	0.1	0.5301415
Bromodichloromethane							0.025	0.5317313	0.05	0.5376995	0.1	0.5445079
Bromoform							0.025	0.5174954	0.05	0.4738566	0.1	0.4777173
Bromomethane									0.05	0.7347401	0.1	0.6158904
1,3-Butadiene									0.05	0.5279098	0.1	0.5708131
2-Butanone (MEK)							0.025	2.124353	0.05	1.613277	0.1	1.327663
Carbon Disulfide							0.025	2.437864	0.05	2.294339	0.1	1.938822
Carbon Tetrachloride							0.025	0.4552518	0.05	0.4891597	0.1	0.5508627
Chlorobenzene							0.025	0.7633729	0.05	0.7465406	0.1	0.7231048
Chloroethane									0.05	0.4993475	0.1	0.5623455
Chloroform							0.025	1.446894	0.05	1.310418	0.1	1.484562
Chloromethane							0.025	0.7684462	0.05	0.5402211	0.1	0.5932272
Cyclohexane							0.025	0.4099441	0.05	0.2546998	0.1	0.3335315
Dibromochloromethane							0.025	0.5536086	0.05	0.6053998	0.1	0.5859509
1,2-Dibromoethane (EDB)									0.05	0.6836859	0.1	0.540104
1,2-Dichlorobenzene							0.025	0.5958688	0.05	0.6185729	0.1	0.6045218
1,3-Dichlorobenzene							0.025	0.5935637	0.05	0.5154461	0.1	0.4810059
1,4-Dichlorobenzene							0.025	0.535552	0.05	0.4683992	0.1	0.4229718
Dichlorodifluoromethane (Freon							0.025	1.59821	0.05	1.932879	0.1	1.777191
1,1-Dichloroethane							0.025	1.41228	0.05	1.557629	0.1	1.329407
1,2-Dichloroethane							0.025	1.083934	0.05	0.8396326	0.1	0.9496118
1,1-Dichloroethylene							0.025	1.071078	0.05	1.203063	0.1	1.103024
cis-1,2-Dichloroethylene							0.025	0.8693233	0.05	0.9115308	0.1	0.8248398
trans-1,2-Dichloroethylene							0.025	1.278766	0.05	0.998695	0.1	1.116722
1,2-Dichloropropane							0.025	0.2439367	0.05	0.2880149	0.1	0.2560041
cis-1,3-Dichloropropene							0.025	0.4432906	0.05	0.3781092	0.1	0.385277
trans-1,3-Dichloropropene							0.025	0.3740604	0.05	0.3822288	0.1	0.315466
1,2-Dichloro-1,1,2,2-tetrafluoroe							0.025	1.743592	0.05	1.908256	0.1	1.781674

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane											0.1	0.2013536
Ethanol												
Ethyl Acetate									0.05	0.3442248	0.1	0.2131832
Ethylbenzene							0.025	1.188664	0.05	1.090924	0.1	1.120445
4-Ethyltoluene							0.025	1.239761	0.05	1.11934	0.1	1.126345
Heptane							0.025	0.2812702	0.05	0.2453859	0.1	0.2151524
Hexachlorobutadiene							0.025	0.4544892	0.05	0.4343372	0.1	0.4239391
Hexane									0.05	0.7007608	0.1	0.7518694
2-Hexanone (MBK)									0.05	0.5690796	0.1	0.5839197
Isopropanol												
Methyl tert-Butyl Ether (MTBE)							0.025	2.377535	0.05	2.346539	0.1	2.143289
Methylene Chloride									0.05	0.9435402	0.1	0.9638074
Methyl methacrylate									0.05	0.2942839	0.1	0.2467443
4-Methyl-2-pentanone (MIBK)									0.05	0.272432	0.1	0.245655
Naphthalene							0.025	0.8417464	0.05	0.6825568	0.1	0.9846451
Propene											0.1	0.5787825
Styrene							0.025	0.6888413	0.05	0.5858283	0.1	0.5995889
1,1,2,2-Tetrachloroethane							0.025	0.6077785	0.05	0.6466129	0.1	0.6799661
Tetrachloroethylene							0.025	0.4352801	0.05	0.3831501	0.1	0.4393181
Tetrahydrofuran									0.05	1.045971	0.1	0.9077721
Toluene							0.025	1.103375	0.05	0.9149686	0.1	0.9399589
1,2,4-Trichlorobenzene									0.05	0.2184859	0.1	0.3335993
1,1,1-Trichloroethane							0.025	0.5030968	0.05	0.5566856	0.1	0.5289843
1,1,2-Trichloroethane							0.025	0.2339678	0.05	0.3878548	0.1	0.3161891
Trichloroethylene							0.025	0.368986	0.05	0.3788256	0.1	0.3339854
Trichlorofluoromethane (Freon 1							0.025	2.054135	0.05	1.718169	0.1	1.756271
1,1,2-Trichloro-1,2,2-trifluoroeth							0.025	1.416236	0.05	1.373452	0.1	1.484811
1,2,4-Trimethylbenzene							0.025	0.985431	0.05	0.8396935	0.1	0.9064926
1,3,5-Trimethylbenzene							0.025	1.044595	0.05	0.8886223	0.1	0.9765204
Vinyl Acetate												
Vinyl Chloride							0.025	0.7130627	0.05	0.7312929	0.1	0.8019276

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
m&p-Xylene							0.05	0.9358713	0.1	0.920426	0.2	0.9592069
o-Xylene							0.025	0.8647974	0.05	0.7275336	0.1	0.8277596
4-Bromofluorobenzene (1)	8	0.5127263	8	0.5363439	8	0.5377228	8	0.541807	8	0.5388061	8	0.5350199
Acetone												
Acrolein											0.1	0.3885115
Benzene							0.025	0.8405486	0.05	0.739919	0.1	0.7347861
Benzyl chloride									0.05	0.5291838	0.1	0.5301415
Bromodichloromethane							0.025	0.5317313	0.05	0.5376995	0.1	0.5445079
Bromodichloromethane (SIM)	0.005	0.5827138	0.01	0.5829442	0.02	0.5638501	0.025	0.5750529	0.05	0.5658191	0.1	0.5750555
Bromoform							0.025	0.5174954	0.05	0.4738566	0.1	0.4777173
Bromomethane									0.05	0.7347401	0.1	0.6158904
1,3-Butadiene									0.05	0.5279098	0.1	0.5708131
2-Butanone (MEK)							0.025	2.124353	0.05	1.613277	0.1	1.327663
Carbon Disulfide							0.025	2.437864	0.05	2.294339	0.1	1.938822
Carbon Tetrachloride							0.025	0.4552518	0.05	0.4891597	0.1	0.5508627
Carbon Tetrachloride (SIM)	0.005	0.5117317	0.01	0.5434783	0.02	0.5263163	0.025	0.5394512	0.05	0.5273588	0.1	0.5353727
Chlorobenzene							0.025	0.7633729	0.05	0.7465406	0.1	0.7231048
Chloroethane							0.025	0.8070169	0.05	0.4993475	0.1	0.5623455
Chloroform							0.025	1.446894	0.05	1.310418	0.1	1.484562
Chloroform (SIM)	0.005	1.260822	0.01	1.438163	0.02	1.402663	0.025	1.462662	0.05	1.40401	0.1	1.399825
Chloromethane							0.025	0.7684462	0.05	0.5402211	0.1	0.5932272
Cyclohexane							0.025	0.4099441	0.05	0.2546998	0.1	0.3335315
Dibromochloromethane							0.025	0.5536086	0.05	0.6053998	0.1	0.5859509
1,2-Dibromoethane (EDB)									0.05	0.6836859	0.1	0.540104
1,2-Dichlorobenzene							0.025	0.5958688	0.05	0.6185729	0.1	0.6045218
1,3-Dichlorobenzene							0.025	0.5935637	0.05	0.5154461	0.1	0.4810059
1,4-Dichlorobenzene							0.025	0.535552	0.05	0.4683992	0.1	0.4229718
Dichlorodifluoromethane (Freon							0.025	1.59821	0.05	1.932879	0.1	1.777191
1,1-Dichloroethane							0.025	1.41228	0.05	1.557629	0.1	1.329407
1,1-Dichloroethane (SIM)	0.005	1.579299	0.01	1.336366	0.02	1.37923	0.025	1.358571	0.05	1.32276	0.1	1.350808
1,2-Dichloroethane							0.025	1.083934	0.05	0.8396326	0.1	0.9496118

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,2-Dichloroethane (SIM)	0.005	0.959795	0.01	1.017977	0.02	0.9172546	0.025	0.9556659	0.05	0.9227627	0.1	0.9069225
1,1-Dichloroethylene							0.025	1.071078	0.05	1.203063	0.1	1.103024
1,1-Dichloroethylene (SIM)	0.005	1.173567	0.01	1.156595	0.02	1.038886	0.025	1.1127	0.05	1.10178	0.1	1.108689
cis-1,2-Dichloroethylene							0.025	0.8693233	0.05	0.9115308	0.1	0.8248398
cis-1,2-Dichloroethylene (SIM)	0.005	0.8899917	0.01	0.924843	0.02	0.9116752	0.025	0.9395138	0.05	0.8821379	0.1	0.9194616
trans-1,2-Dichloroethylene							0.025	1.278766	0.05	0.998695	0.1	1.116722
trans-1,2-Dichloroethylene (SIM	0.005	1.134303	0.01	1.141434	0.02	1.14601	0.025	1.132442	0.05	1.104458	0.1	1.09387
1,2-Dichloropropane							0.025	0.2439367	0.05	0.2880149	0.1	0.2560041
1,2-Dichloropropane (SIM)	0.005	0.2311046	0.01	0.2663948	0.02	0.2694841	0.025	0.253281	0.05	0.265023	0.1	0.2623378
cis-1,3-Dichloropropene							0.025	0.4432906	0.05	0.3781092	0.1	0.385277
cis-1,3-Dichloropropene (SIM)	0.005	0.4407495	0.01	0.4382359	0.02	0.3753378	0.025	0.4167099	0.05	0.3874576	0.1	0.3796608
trans-1,3-Dichloropropene							0.025	0.3740604	0.05	0.3822288	0.1	0.315466
trans-1,3-Dichloropropene (SIM	0.005	0.5051287	0.01	0.4670131	0.02	0.3837723	0.025	0.3892457	0.05	0.3439589	0.1	0.3368724
1,2-Dichloro-1,1,2,2-tetrafluoroe							0.025	1.743592	0.05	1.908256	0.1	1.781674
1,4-Dioxane											0.1	0.2013536
Ethanol												
Ethyl Acetate									0.05	0.3442248	0.1	0.2131832
Ethylbenzene							0.025	1.188664	0.05	1.090924	0.1	1.120445
4-Ethyltoluene							0.025	1.239761	0.05	1.11934	0.1	1.126345
Heptane							0.025	0.2812702	0.05	0.2453859	0.1	0.2151524
Hexachlorobutadiene							0.025	0.4544892	0.05	0.4343372	0.1	0.4239391
Hexane									0.05	0.7007608	0.1	0.7518694
2-Hexanone (MBK)									0.05	0.5690796	0.1	0.5839197
Isopropanol												
Methyl tert-Butyl Ether (MTBE)							0.025	2.377535	0.05	2.346539	0.1	2.143289
Methylene Chloride									0.05	0.9435402	0.1	0.9638074
Methyl methacrylate									0.05	0.2942839	0.1	0.2467443
4-Methyl-2-pentanone (MIBK)									0.05	0.272432	0.1	0.245655
Naphthalene							0.025	0.8417464	0.05	0.6825568	0.1	0.9846451
Propene											0.1	0.5787825
Styrene							0.025	0.6888413	0.05	0.5858283	0.1	0.5995889

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,1,2,2-Tetrachloroethane							0.025	0.6077785	0.05	0.6466129	0.1	0.6799661
1,1,2,2-Tetrachloroethane (SIM)	0.005	0.7298716	0.01	0.7024329	0.02	0.6588469	0.025	0.6823256	0.05	0.6566451	0.1	0.6526327
Tetrachloroethylene							0.025	0.4352801	0.05	0.3831501	0.1	0.4393181
Tetrahydrofuran									0.05	1.045971	0.1	0.9077721
Toluene							0.025	1.103375	0.05	0.9149686	0.1	0.9399589
1,2,4-Trichlorobenzene									0.05	0.2184859	0.1	0.3335993
1,1,1-Trichloroethane							0.025	0.5030968	0.05	0.5566856	0.1	0.5289843
1,1,2-Trichloroethane							0.025	0.2339678	0.05	0.3878548	0.1	0.3161891
1,1,2-Trichloroethane (SIM)	0.005	0.3253238	0.01	0.3252933	0.02	0.3244289	0.025	0.3199372	0.05	0.3020224	0.1	0.2987936
Trichloroethylene							0.025	0.368986	0.05	0.3788256	0.1	0.3339854
Trichloroethylene (SIM)	0.005	0.3450062	0.01	0.3403933	0.02	0.3272608	0.025	0.3505924	0.05	0.3313627	0.1	0.3271243
Trichlorofluoromethane (Freon 1							0.025	2.054135	0.05	1.718169	0.1	1.756271
1,1,2-Trichloro-1,2,2-trifluoroeth							0.025	1.416236	0.05	1.373452	0.1	1.484811
1,2,4-Trimethylbenzene							0.025	0.985431	0.05	0.8396935	0.1	0.9064926
1,3,5-Trimethylbenzene							0.025	1.044595	0.05	0.8886223	0.1	0.9765204
Vinyl Acetate												
Vinyl Chloride							0.025	0.7130627	0.05	0.7312929	0.1	0.8019276
Vinyl Chloride (SIM)			0.01	0.6735976	0.02	0.6539066	0.025	0.6649281	0.05	0.6571392	0.1	0.6663988
m&p-Xylene							0.05	0.9358713	0.1	0.920426	0.2	0.9592069
o-Xylene							0.025	0.8647974	0.05	0.7275336	0.1	0.8277596
4-Bromofluorobenzene (1)	8	0.5127263	8	0.5363439	8	0.5377228	8	0.541807	8	0.5388061	8	0.5350199
4-Bromofluorobenzene (1) (SIM	8	0.4814846	8	0.4986124	8	0.5059267	8	0.5030059	8	0.5082102	8	0.5059838

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acetone					0.5	1.245483	1	1.321763	2	1.065935	5	1.077574
Acrolein	0.2	0.3703797	0.25	0.3091929	0.5	0.3264387	1	0.3135294	2	0.2863925	5	0.2909864
Benzene	0.2	0.7437176	0.25	0.7350453	0.5	0.7032121	1	0.6913739	2	0.6735362	5	0.7115321
Benzyl chloride	0.2	0.5165149	0.25	0.4987211	0.5	0.5451883	1	0.5960513	2	0.5888905	5	0.7057336
Bromodichloromethane	0.2	0.5834203	0.25	0.5586067	0.5	0.5699647	1	0.5664825	2	0.5391603	5	0.5719574
Bromoform	0.2	0.4963005	0.25	0.4567796	0.5	0.4653316	1	0.4750214	2	0.4484417	5	0.4909786
Bromomethane	0.2	0.6320844	0.25	0.5936059	0.5	0.6082242	1	0.657994	2	0.6174078	5	0.6271715
1,3-Butadiene	0.2	0.6047893	0.25	0.5738831	0.5	0.5180168	1	0.5720197	2	0.528946	5	0.5445443
2-Butanone (MEK)	0.2	1.353763	0.25	1.299379	0.5	1.24298	1	1.247982	2	1.210686	5	1.268701
Carbon Disulfide	0.2	2.128388	0.25	1.958626	0.5	1.921137	1	2.084808	2	1.911416	5	2.031092
Carbon Tetrachloride	0.2	0.5300637	0.25	0.5058687	0.5	0.5192849	1	0.5226233	2	0.4915672	5	0.5214178
Chlorobenzene	0.2	0.7089172	0.25	0.7743147	0.5	0.7030196	1	0.7011299	2	0.6710464	5	0.7175072
Chloroethane	0.2	0.4224427	0.25	0.4081104	0.5	0.3821049	1	0.4005607	2	0.3588964	5	0.3763192
Chloroform	0.2	1.452076	0.25	1.4429	0.5	1.356715	1	1.477909	2	1.381841	5	1.47116
Chloromethane	0.2	0.5663739	0.25	0.6332538	0.5	0.6251944	1	0.6085749	2	0.5732989	5	0.6292198
Cyclohexane	0.2	0.3048105	0.25	0.2871373	0.5	0.2649003	1	0.2847996	2	0.2834901	5	0.2955517
Dibromochloromethane	0.2	0.5653218	0.25	0.5578384	0.5	0.5362577	1	0.5538254	2	0.5195757	5	0.5680937
1,2-Dibromoethane (EDB)	0.2	0.5362423	0.25	0.4844798	0.5	0.4723032	1	0.4745159	2	0.4443146	5	0.4748734
1,2-Dichlorobenzene	0.2	0.5637144	0.25	0.55553	0.5	0.5857312	1	0.6123526	2	0.5721425	5	0.6485354
1,3-Dichlorobenzene	0.2	0.5499783	0.25	0.566211	0.5	0.5602262	1	0.6638421	2	0.604509	5	0.7266766
1,4-Dichlorobenzene	0.2	0.5627402	0.25	0.4735249	0.5	0.5150548	1	0.5943891	2	0.5281771	5	0.6612395
Dichlorodifluoromethane (Freon	0.2	1.807923	0.25	1.789718	0.5	1.720148	1	1.786411	2	1.739375	5	1.829387
1,1-Dichloroethane	0.2	1.389524	0.25	1.436629	0.5	1.344	1	1.391161	2	1.343835	5	1.3814
1,2-Dichloroethane	0.2	1.00575	0.25	0.97461	0.5	0.9953351	1	1.001428	2	0.9205804	5	0.982555
1,1-Dichloroethylene	0.2	1.128325	0.25	1.106702	0.5	1.096105	1	1.161724	2	1.095088	5	1.149374
cis-1,2-Dichloroethylene	0.2	0.9630378	0.25	0.9436604	0.5	0.861726	1	0.9142157	2	0.8704585	5	0.9231002
trans-1,2-Dichloroethylene	0.2	1.176218	0.25	1.090621	0.5	1.1338	1	1.131949	2	1.087071	5	1.14249
1,2-Dichloropropane	0.2	0.2575492	0.25	0.2628501	0.5	0.259096	1	0.2511781	2	0.2534091	5	0.2632935
cis-1,3-Dichloropropene	0.2	0.3790913	0.25	0.396923	0.5	0.3732466	1	0.3926311	2	0.3678378	5	0.3982205
trans-1,3-Dichloropropene	0.2	0.3382892	0.25	0.315442	0.5	0.344906	1	0.3336055	2	0.3275223	5	0.3550614
1,2-Dichloro-1,1,2,2-tetrafluoroe	0.2	1.798193	0.25	1.788707	0.5	1.748682	1	1.814072	2	1.724638	5	1.814641

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane	0.2	0.2165196	0.25	0.1688785	0.5	0.165959	1	0.1622003	2	0.1708649	5	0.173569
Ethanol					0.5	0.1706031	1	0.1980375	2	0.1669145	5	0.1707471
Ethyl Acetate	0.2	0.2522272	0.25	0.2315154	0.5	0.2342789	1	0.229772	2	0.1979565	5	0.2222943
Ethylbenzene	0.2	1.222315	0.25	1.168025	0.5	1.083924	1	1.16647	2	1.140236	5	1.221209
4-Ethyltoluene	0.2	1.212281	0.25	1.194748	0.5	1.16839	1	1.200258	2	1.1934	5	1.335017
Heptane	0.2	0.2429932	0.25	0.1995572	0.5	0.2319736	1	0.2069293	2	0.2097615	5	0.2216258
Hexachlorobutadiene	0.2	0.4721893	0.25	0.4674997	0.5	0.457342	1	0.4647468	2	0.4571067	5	0.4900462
Hexane	0.2	0.7918115	0.25	0.7779888	0.5	0.7545484	1	0.7232933	2	0.7063834	5	0.7281922
2-Hexanone (MBK)	0.2	0.5882152	0.25	0.6095611	0.5	0.5810643	1	0.5931449	2	0.5799957	5	0.620284
Isopropanol					0.5	1.225759	1	1.184204	2	1.153112	5	1.218601
Methyl tert-Butyl Ether (MTBE)	0.2	2.067859	0.25	2.173049	0.5	2.072417	1	2.114557	2	2.038064	5	2.105159
Methylene Chloride	0.2	0.844759	0.25	0.9068445	0.5	0.880248	1	0.8316958	2	0.8363329	5	0.8589987
Methyl methacrylate	0.2	0.2455405	0.25	0.2529891	0.5	0.2292865	1	0.234698	2	0.2358878	5	0.2487077
4-Methyl-2-pentanone (MIBK)	0.2	0.2199312	0.25	0.2516378	0.5	0.2284087	1	0.2351782	2	0.2355537	5	0.2445298
Naphthalene	0.2	0.7980555	0.25	0.7595647	0.5	0.7717179	1	0.8753115	2	0.8979787	5	1.081177
Propene	0.2	0.4745056	0.25	0.4164041	0.5	0.367037	1	0.3878514	2	0.3722717	5	0.3689772
Styrene	0.2	0.6338073	0.25	0.6119868	0.5	0.6167098	1	0.6708797	2	0.6500588	5	0.7116032
1,1,2,2-Tetrachloroethane	0.2	0.6626433	0.25	0.6808069	0.5	0.6894221	1	0.680571	2	0.6582739	5	0.7106192
Tetrachloroethylene	0.2	0.3850969	0.25	0.4407776	0.5	0.4156852	1	0.4244359	2	0.4007892	5	0.4188561
Tetrahydrofuran	0.2	0.8750869	0.25	0.9459867	0.5	0.9312087	1	0.8664207	2	0.9064213	5	0.8735096
Toluene	0.2	0.9805698	0.25	0.9128157	0.5	0.9142232	1	0.8975034	2	0.8603164	5	0.9310184
1,2,4-Trichlorobenzene	0.2	0.3060414	0.25	0.2682382	0.5	0.2898888	1	0.3310802	2	0.3505158	5	0.4184739
1,1,1-Trichloroethane	0.2	0.4816197	0.25	0.5042617	0.5	0.50146	1	0.5020662	2	0.4858549	5	0.5080859
1,1,2-Trichloroethane	0.2	0.3086717	0.25	0.2854139	0.5	0.290849	1	0.3102492	2	0.30723	5	0.316923
Trichloroethylene	0.2	0.3338769	0.25	0.3320961	0.5	0.3357876	1	0.3260133	2	0.3103305	5	0.3272097
Trichlorofluoromethane (Freon 1	0.2	1.92418	0.25	1.736618	0.5	1.728108	1	1.839517	2	1.754665	5	1.84244
1,1,2-Trichloro-1,2,2-trifluoroeth	0.2	1.487585	0.25	1.377158	0.5	1.430703	1	1.480229	2	1.373772	5	1.448339
1,2,4-Trimethylbenzene	0.2	0.9561177	0.25	0.9705636	0.5	0.9505985	1	1.012857	2	1.004878	5	1.122859
1,3,5-Trimethylbenzene	0.2	1.075699	0.25	1.008554	0.5	0.9857639	1	1.02594	2	1.021807	5	1.131302
Vinyl Acetate	0.2	1.630378	0.25	1.56235	0.5	1.337893	1	1.524466	2	1.452674	5	1.445787
Vinyl Chloride	0.2	0.6812409	0.25	0.6995022	0.5	0.6606366	1	0.6955289	2	0.6827037	5	0.7269388

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
m&p-Xylene	0.4	0.9454503	0.5	0.9156327	1	0.9347539	2	0.970446	4	0.9435359	10	1.024249
o-Xylene	0.2	1.3361	0.25	0.9229881	0.5	0.91841	1	0.9328569	2	0.8962624	5	1.006169
4-Bromofluorobenzene (1)	8	0.5482272	8	0.5449896	8	0.5500881	8	0.5558753	8	0.5633761	8	0.5724537
Acetone					0.5	1.245483	1	1.321763	2	1.065935	5	1.077574
Acrolein	0.2	0.3703797	0.25	0.3091929	0.5	0.3264387	1	0.3135294	2	0.2863925	5	0.2909864
Benzene	0.2	0.7437176	0.25	0.7350453	0.5	0.7032121	1	0.6913739	2	0.6735362	5	0.7115321
Benzyl chloride	0.2	0.5165149	0.25	0.4987211	0.5	0.5451883	1	0.5960513	2	0.5888905	5	0.7057336
Bromodichloromethane	0.2	0.5834203	0.25	0.5586067	0.5	0.5699647	1	0.5664825	2	0.5391603	5	0.5719574
Bromodichloromethane (SIM)	0.2	0.5841454	0.25	0.5758209	0.5	0.5679076	1	0.5807065	2	0.5538596	5	0.5806067
Bromoform	0.2	0.4963005	0.25	0.4567796	0.5	0.4653316	1	0.4750214	2	0.4484417	5	0.4909786
Bromomethane	0.2	0.6320844	0.25	0.5936059	0.5	0.6082242	1	0.657994	2	0.6174078	5	0.6271715
1,3-Butadiene	0.2	0.6047893	0.25	0.5738831	0.5	0.5180168	1	0.5720197	2	0.528946	5	0.5445443
2-Butanone (MEK)	0.2	1.353763	0.25	1.299379	0.5	1.24298	1	1.247982	2	1.210686	5	1.268701
Carbon Disulfide	0.2	2.128388	0.25	1.958626	0.5	1.921137	1	2.084808	2	1.911416	5	2.031092
Carbon Tetrachloride	0.2	0.5300637	0.25	0.5058687	0.5	0.5192849	1	0.5226233	2	0.4915672	5	0.5214178
Carbon Tetrachloride (SIM)	0.2	0.5451504	0.25	0.5429856	0.5	0.5299663	1	0.5381781	2	0.5182142	5	0.5383294
Chlorobenzene	0.2	0.7089172	0.25	0.7743147	0.5	0.7030196	1	0.7011299	2	0.6710464	5	0.7175072
Chloroethane	0.2	0.4224427	0.25	0.4081104	0.5	0.3821049	1	0.4005607	2	0.3588964	5	0.3763192
Chloroform	0.2	1.452076	0.25	1.4429	0.5	1.356715	1	1.477909	2	1.381841	5	1.47116
Chloroform (SIM)	0.2	1.441765	0.25	1.406041	0.5	1.388594	1	1.423977	2	1.364794	5	1.441653
Chloromethane	0.2	0.5663739	0.25	0.6332538	0.5	0.6251944	1	0.6085749	2	0.5732989	5	0.6292198
Cyclohexane	0.2	0.3048105	0.25	0.2871373	0.5	0.2649003	1	0.2847996	2	0.2834901	5	0.2955517
Dibromochloromethane	0.2	0.5653218	0.25	0.5578384	0.5	0.5362577	1	0.5538254	2	0.5195757	5	0.5680937
1,2-Dibromoethane (EDB)	0.2	0.5362423	0.25	0.4844798	0.5	0.4723032	1	0.4745159	2	0.4443146	5	0.4748734
1,2-Dichlorobenzene	0.2	0.5637144	0.25	0.55553	0.5	0.5857312	1	0.6123526	2	0.5721425	5	0.6485354
1,3-Dichlorobenzene	0.2	0.5499783	0.25	0.566211	0.5	0.5602262	1	0.6638421	2	0.604509	5	0.7266766
1,4-Dichlorobenzene	0.2	0.5627402	0.25	0.4735249	0.5	0.5150548	1	0.5943891	2	0.5281771	5	0.6612395
Dichlorodifluoromethane (Freon	0.2	1.807923	0.25	1.789718	0.5	1.720148	1	1.786411	2	1.739375	5	1.829387
1,1-Dichloroethane	0.2	1.389524	0.25	1.436629	0.5	1.344	1	1.391161	2	1.343835	5	1.3814
1,1-Dichloroethane (SIM)	0.2	1.39022	0.25	1.349689	0.5	1.334355	1	1.350547	2	1.307868	5	1.367428
1,2-Dichloroethane	0.2	1.00575	0.25	0.97461	0.5	0.9953351	1	1.001428	2	0.9205804	5	0.982555

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,2-Dichloroethane (SIM)	0.2	0.9353852	0.25	0.9223333	0.5	0.9130178	1	0.923368	2	0.8842463	5	0.9393545
1,1-Dichloroethylene	0.2	1.128325	0.25	1.106702	0.5	1.096105	1	1.161724	2	1.095088	5	1.149374
1,1-Dichloroethylene (SIM)	0.2	1.148568	0.25	1.132804	0.5	1.103556	1	1.130374	2	1.089681	5	1.141327
cis-1,2-Dichloroethylene	0.2	0.9630378	0.25	0.9436604	0.5	0.861726	1	0.9142157	2	0.8704585	5	0.9231002
cis-1,2-Dichloroethylene (SIM)	0.2	0.9270048	0.25	0.905382	0.5	0.8977277	1	0.9133243	2	0.8761705	5	0.9327075
trans-1,2-Dichloroethylene	0.2	1.176218	0.25	1.090621	0.5	1.1338	1	1.131949	2	1.087071	5	1.14249
trans-1,2-Dichloroethylene (SIM	0.2	1.134218	0.25	1.117411	0.5	1.090618	1	1.108504	2	1.060116	5	1.121418
1,2-Dichloropropane	0.2	0.2575492	0.25	0.2628501	0.5	0.259096	1	0.2511781	2	0.2534091	5	0.2632935
1,2-Dichloropropane (SIM)	0.2	0.2631402	0.25	0.2618446	0.5	0.2563477	1	0.2608917	2	0.2498129	5	0.2628828
cis-1,3-Dichloropropene	0.2	0.3790913	0.25	0.396923	0.5	0.3732466	1	0.3926311	2	0.3678378	5	0.3982205
cis-1,3-Dichloropropene (SIM)	0.2	0.392027	0.25	0.3908477	0.5	0.3813441	1	0.3927307	2	0.3703272	5	0.4009983
trans-1,3-Dichloropropene	0.2	0.3382892	0.25	0.315442	0.5	0.344906	1	0.3336055	2	0.3275223	5	0.3550614
trans-1,3-Dichloropropene (SIM	0.2	0.3492235	0.25	0.3445085	0.5	0.3463922	1	0.3493288	2	0.320978	5	0.3594562
1,2-Dichloro-1,1,2,2-tetrafluoroe	0.2	1.798193	0.25	1.788707	0.5	1.748682	1	1.814072	2	1.724638	5	1.814641
1,4-Dioxane	0.2	0.2165196	0.25	0.1688785	0.5	0.165959	1	0.1622003	2	0.1708649	5	0.173569
Ethanol					0.5	0.1706031	1	0.1980375	2	0.1669145	5	0.1707471
Ethyl Acetate	0.2	0.2522272	0.25	0.2315154	0.5	0.2342789	1	0.229772	2	0.1979565	5	0.2222943
Ethylbenzene	0.2	1.222315	0.25	1.168025	0.5	1.083924	1	1.16647	2	1.140236	5	1.221209
4-Ethyltoluene	0.2	1.212281	0.25	1.194748	0.5	1.16839	1	1.200258	2	1.1934	5	1.335017
Heptane	0.2	0.2429932	0.25	0.1995572	0.5	0.2319736	1	0.2069293	2	0.2097615	5	0.2216258
Hexachlorobutadiene	0.2	0.4721893	0.25	0.4674997	0.5	0.457342	1	0.4647468	2	0.4571067	5	0.4900462
Hexane	0.2	0.7918115	0.25	0.7779888	0.5	0.7545484	1	0.7232933	2	0.7063834	5	0.7281922
2-Hexanone (MBK)	0.2	0.5882152	0.25	0.6095611	0.5	0.5810643	1	0.5931449	2	0.5799957	5	0.620284
Isopropanol					0.5	1.225759	1	1.184204	2	1.153112	5	1.218601
Methyl tert-Butyl Ether (MTBE)	0.2	2.067859	0.25	2.173049	0.5	2.072417	1	2.114557	2	2.038064	5	2.105159
Methylene Chloride	0.2	0.844759	0.25	0.9068445	0.5	0.880248	1	0.8316958	2	0.8363329	5	0.8589987
Methyl methacrylate	0.2	0.2455405	0.25	0.2529891	0.5	0.2292865	1	0.234698	2	0.2358878	5	0.2487077
4-Methyl-2-pentanone (MIBK)	0.2	0.2199312	0.25	0.2516378	0.5	0.2284087	1	0.2351782	2	0.2355537	5	0.2445298
Naphthalene	0.2	0.7980555	0.25	0.7595647	0.5	0.7717179	1	0.8753115	2	0.8979787	5	1.081177
Propene	0.2	0.4745056	0.25	0.4164041	0.5	0.367037	1	0.3878514	2	0.3722717	5	0.3689772
Styrene	0.2	0.6338073	0.25	0.6119868	0.5	0.6167098	1	0.6708797	2	0.6500588	5	0.7116032

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,1,2,2-Tetrachloroethane	0.2	0.6626433	0.25	0.6808069	0.5	0.6894221	1	0.680571	2	0.6582739	5	0.7106192
1,1,2,2-Tetrachloroethane (SIM)	0.2	0.676941	0.25	0.6654354	0.5	0.6508043	1	0.6727981	2	0.6349921	5	0.6948658
Tetrachloroethylene	0.2	0.3850969	0.25	0.4407776	0.5	0.4156852	1	0.4244359	2	0.4007892	5	0.4188561
Tetrahydrofuran	0.2	0.8750869	0.25	0.9459867	0.5	0.9312087	1	0.8664207	2	0.9064213	5	0.8735096
Toluene	0.2	0.9805698	0.25	0.9128157	0.5	0.9142232	1	0.8975034	2	0.8603164	5	0.9310184
1,2,4-Trichlorobenzene	0.2	0.3060414	0.25	0.2682382	0.5	0.2898888	1	0.3310802	2	0.3505158	5	0.4184739
1,1,1-Trichloroethane	0.2	0.4816197	0.25	0.5042617	0.5	0.50146	1	0.5020662	2	0.4858549	5	0.5080859
1,1,2-Trichloroethane	0.2	0.3086717	0.25	0.2854139	0.5	0.290849	1	0.3102492	2	0.30723	5	0.316923
1,1,2-Trichloroethane (SIM)	0.2	0.3174963	0.25	0.3067758	0.5	0.3003924	1	0.3104185	2	0.2933246	5	0.3144594
Trichloroethylene	0.2	0.3338769	0.25	0.3320961	0.5	0.3357876	1	0.3260133	2	0.3103305	5	0.3272097
Trichloroethylene (SIM)	0.2	0.3437702	0.25	0.3404259	0.5	0.3326575	1	0.339057	2	0.3185053	5	0.3364185
Trichlorofluoromethane (Freon 1	0.2	1.92418	0.25	1.736618	0.5	1.728108	1	1.839517	2	1.754665	5	1.84244
1,1,2-Trichloro-1,2,2-trifluoroeth	0.2	1.487585	0.25	1.377158	0.5	1.430703	1	1.480229	2	1.373772	5	1.448339
1,2,4-Trimethylbenzene	0.2	0.9561177	0.25	0.9705636	0.5	0.9505985	1	1.012857	2	1.004878	5	1.122859
1,3,5-Trimethylbenzene	0.2	1.075699	0.25	1.008554	0.5	0.9857639	1	1.02594	2	1.021807	5	1.131302
Vinyl Acetate	0.2	1.630378	0.25	1.56235	0.5	1.337893	1	1.524466	2	1.452674	5	1.445787
Vinyl Chloride	0.2	0.6812409	0.25	0.6995022	0.5	0.6606366	1	0.6955289	2	0.6827037	5	0.7269388
Vinyl Chloride (SIM)	0.2	0.6954545	0.25	0.6709045	0.5	0.6619978	1	0.6745446	2	0.6522516	5	0.6843902
m&p-Xylene	0.4	0.9454503	0.5	0.9156327	1	0.9347539	2	0.970446	4	0.9435359	10	1.024249
o-Xylene	0.2	1.3361	0.25	0.9229881	0.5	0.91841	1	0.9328569	2	0.8962624	5	1.006169
4-Bromofluorobenzene (1)	8	0.5482272	8	0.5449896	8	0.5500881	8	0.5558753	8	0.5633761	8	0.5724537
4-Bromofluorobenzene (1) (SIM	8	0.5064722	8	0.5082069	8	0.5102291	8	0.5154219	8	0.5165696	8	0.524506

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
Acetone	10	1.066566	20	1.043876	50	1.034591						
Acrolein	10	0.3002203	20	0.2948334	50	0.2943136						
Benzene	10	0.7120333	20	0.7178307	50	0.701617						
Benzyl chloride	10	0.7787221	20	0.908713	50	0.9732599						
Bromodichloromethane	10	0.5559467	20	0.5625664	50	0.5584126						
Bromoform	10	0.5051828	20	0.5378884	50	0.566327						
Bromomethane	10	0.6209777	20	0.6117503	50	0.6196976						
1,3-Butadiene	10	0.5457284	20	0.5395763	50	0.5364125						
2-Butanone (MEK)	10	1.303022	20	1.277388	50	1.310051						
Carbon Disulfide	10	2.029489	20	2.023291	50	2.005809						
Carbon Tetrachloride	10	0.5049566	20	0.5217923	50	0.5195935						
Chlorobenzene	10	0.7097395	20	0.7216293	50	0.7234525						
Chloroethane	10	0.3764738	20	0.3682364	50	0.3744229						
Chloroform	10	1.471791	20	1.478319	50	1.497396						
Chloromethane	10	0.6049754	20	0.5946872	50	0.5842786						
Cyclohexane	10	0.300168	20	0.3076271	50	0.3096833						
Dibromochloromethane	10	0.5626705	20	0.5793451	50	0.5850593						
1,2-Dibromoethane (EDB)	10	0.4786999	20	0.4936029	50	0.5012719						
1,2-Dichlorobenzene	10	0.6826222	20	0.7070507	50	0.7350761						
1,3-Dichlorobenzene	10	0.7211296	20	0.758448	50	0.7796467						
1,4-Dichlorobenzene	10	0.7038868	20	0.7326535	50	0.7630487						
Dichlorodifluoromethane (Freon	10	1.797488	20	1.766929	50	1.671291						
1,1-Dichloroethane	10	1.393027	20	1.372524	50	1.362476						
1,2-Dichloroethane	10	0.9864991	20	0.9844235	50	1.003153						
1,1-Dichloroethylene	10	1.14557	20	1.143904	50	1.122292						
cis-1,2-Dichloroethylene	10	0.9398835	20	0.9325642	50	0.9530834						
trans-1,2-Dichloroethylene	10	1.132024	20	1.127039	50	1.123388						
1,2-Dichloropropane	10	0.2568314	20	0.2625918	50	0.2675829						
cis-1,3-Dichloropropene	10	0.3998913	20	0.412198	50	0.4280087						
trans-1,3-Dichloropropene	10	0.3631482	20	0.3770312	50	0.4006497						
1,2-Dichloro-1,1,2,2-tetrafluoroe	10	1.793654	20	1.774247	50	1.725887						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane	10	0.1642232	20	0.1590672	50	0.1602169						
Ethanol	10	0.1736403	20	0.1659716	50	0.1667759						
Ethyl Acetate	10	0.2302773	20	0.230179	50	0.2432769						
Ethylbenzene	10	1.229545	20	1.269934	50	1.221129						
4-Ethyltoluene	10	1.388138	20	1.417305	50	1.369847						
Heptane	10	0.2264849	20	0.2315884	50	0.2314939						
Hexachlorobutadiene	10	0.498911	20	0.5205138	50	0.565618						
Hexane	10	0.7477774	20	0.7467133	50	0.7570574						
2-Hexanone (MBK)	10	0.6184435	20	0.6302961	50	0.6192847						
Isopropanol	10	1.192364	20	1.14933	50	1.14152						
Methyl tert-Butyl Ether (MTBE)	10	2.080637	20	2.037727	50	2.013855						
Methylene Chloride	10	0.8559544	20	0.8349997	50	0.8306545						
Methyl methacrylate	10	0.2520785	20	0.2649204	50	0.2771595						
4-Methyl-2-pentanone (MIBK)	10	0.2382985	20	0.2424512	50	0.2417321						
Naphthalene	10	1.171307	20	1.270766	50	1.320589						
Propene	10	0.369303	20	0.3685598	50	0.371544						
Styrene	10	0.7208657	20	0.7560911	50	0.769947						
1,1,2,2-Tetrachloroethane	10	0.7125687	20	0.7366818	50	0.7400068						
Tetrachloroethylene	10	0.4108652	20	0.426132	50	0.4290922						
Tetrahydrofuran	10	0.8860892	20	0.8833382	50	0.901355						
Toluene	10	0.9248147	20	0.9571422	50	0.9262603						
1,2,4-Trichlorobenzene	10	0.4569409	20	0.5068905	50	0.5824473						
1,1,1-Trichloroethane	10	0.5045127	20	0.5084382	50	0.5058846						
1,1,2-Trichloroethane	10	0.3158503	20	0.3215226	50	0.3211385						
Trichloroethylene	10	0.3222816	20	0.3270166	50	0.3315086						
Trichlorofluoromethane (Freon 1	10	1.840487	20	1.804459	50	1.801864						
1,1,2-Trichloro-1,2,2-trifluoroeth	10	1.47478	20	1.434764	50	1.457158						
1,2,4-Trimethylbenzene	10	1.14633	20	1.186414	50	1.173384						
1,3,5-Trimethylbenzene	10	1.160685	20	1.183954	50	1.160115						
Vinyl Acetate	10	1.31971	20	1.374128	50	1.52448						
Vinyl Chloride	10	0.7158434	20	0.714741	50	0.7034901						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
m&p-Xylene	20	1.03967	40	1.060177	100	1.004388						
o-Xylene	10	0.9942707	20	1.025387	50	1.008087						
4-Bromofluorobenzene (1)	8	0.561299	8	0.5794373	8	0.5814325						
Acetone	10	1.066566	20	1.043876	50	1.034591						
Acrolein	10	0.3002203	20	0.2948334	50	0.2943136						
Benzene	10	0.7120333	20	0.7178307	50	0.701617						
Benzyl chloride	10	0.7787221	20	0.908713	50	0.9732599						
Bromodichloromethane	10	0.5559467	20	0.5625664	50	0.5584126						
Bromodichloromethane (SIM)	10	0.5776985	20	0.5818452	50	0.5665026						
Bromoform	10	0.5051828	20	0.5378884	50	0.566327						
Bromomethane	10	0.6209777	20	0.6117503	50	0.6196976						
1,3-Butadiene	10	0.5457284	20	0.5395763	50	0.5364125						
2-Butanone (MEK)	10	1.303022	20	1.277388	50	1.310051						
Carbon Disulfide	10	2.029489	20	2.023291	50	2.005809						
Carbon Tetrachloride	10	0.5049566	20	0.5217923	50	0.5195935						
Carbon Tetrachloride (SIM)	10	0.5331506	20	0.538072	50	0.530296						
Chlorobenzene	10	0.7097395	20	0.7216293	50	0.7234525						
Chloroethane	10	0.3764738	20	0.3682364	50	0.3744229						
Chloroform	10	1.471791	20	1.478319	50	1.497396						
Chloroform (SIM)	10	1.433752	20	1.465782	50	1.449499						
Chloromethane	10	0.6049754	20	0.5946872	50	0.5842786						
Cyclohexane	10	0.300168	20	0.3076271	50	0.3096833						
Dibromochloromethane	10	0.5626705	20	0.5793451	50	0.5850593						
1,2-Dibromoethane (EDB)	10	0.4786999	20	0.4936029	50	0.5012719						
1,2-Dichlorobenzene	10	0.6826222	20	0.7070507	50	0.7350761						
1,3-Dichlorobenzene	10	0.7211296	20	0.758448	50	0.7796467						
1,4-Dichlorobenzene	10	0.7038868	20	0.7326535	50	0.7630487						
Dichlorodifluoromethane (Freon	10	1.797488	20	1.766929	50	1.671291						
1,1-Dichloroethane	10	1.393027	20	1.372524	50	1.362476						
1,1-Dichloroethane (SIM)	10	1.350751	20	1.363126	50	1.329534						
1,2-Dichloroethane	10	0.9864991	20	0.9844235	50	1.003153						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
1,2-Dichloroethane (SIM)	10	0.9295696	20	0.9441831	50	0.9443924						
1,1-Dichloroethylene	10	1.14557	20	1.143904	50	1.122292						
1,1-Dichloroethylene (SIM)	10	1.129601	20	1.150536	50	1.110289						
cis-1,2-Dichloroethylene	10	0.9398835	20	0.9325642	50	0.9530834						
cis-1,2-Dichloroethylene (SIM)	10	0.9265229	20	0.9487084	50	0.9470907						
trans-1,2-Dichloroethylene	10	1.132024	20	1.127039	50	1.123388						
trans-1,2-Dichloroethylene (SIM	10	1.110002	20	1.122558	50	1.094394						
1,2-Dichloropropane	10	0.2568314	20	0.2625918	50	0.2675829						
1,2-Dichloropropane (SIM)	10	0.2573382	20	0.2635088	50	0.2641595						
cis-1,3-Dichloropropene	10	0.3998913	20	0.412198	50	0.4280087						
cis-1,3-Dichloropropene (SIM)	10	0.4030438	20	0.4195495	50	0.4250962						
trans-1,3-Dichloropropene	10	0.3631482	20	0.3770312	50	0.4006497						
trans-1,3-Dichloropropene (SIM	10	0.3654626	20	0.3844072	50	0.3976512						
1,2-Dichloro-1,1,2,2-tetrafluoroe	10	1.793654	20	1.774247	50	1.725887						
1,4-Dioxane	10	0.1642232	20	0.1590672	50	0.1602169						
Ethanol	10	0.1736403	20	0.1659716	50	0.1667759						
Ethyl Acetate	10	0.2302773	20	0.230179	50	0.2432769						
Ethylbenzene	10	1.229545	20	1.269934	50	1.221129						
4-Ethyltoluene	10	1.388138	20	1.417305	50	1.369847						
Heptane	10	0.2264849	20	0.2315884	50	0.2314939						
Hexachlorobutadiene	10	0.498911	20	0.5205138	50	0.565618						
Hexane	10	0.7477774	20	0.7467133	50	0.7570574						
2-Hexanone (MBK)	10	0.6184435	20	0.6302961	50	0.6192847						
Isopropanol	10	1.192364	20	1.14933	50	1.14152						
Methyl tert-Butyl Ether (MTBE)	10	2.080637	20	2.037727	50	2.013855						
Methylene Chloride	10	0.8559544	20	0.8349997	50	0.8306545						
Methyl methacrylate	10	0.2520785	20	0.2649204	50	0.2771595						
4-Methyl-2-pentanone (MIBK)	10	0.2382985	20	0.2424512	50	0.2417321						
Naphthalene	10	1.171307	20	1.270766	50	1.320589						
Propene	10	0.369303	20	0.3685598	50	0.371544						
Styrene	10	0.7208657	20	0.7560911	50	0.769947						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
1,1,2,2-Tetrachloroethane	10	0.7125687	20	0.7366818	50	0.7400068						
1,1,2,2-Tetrachloroethane (SIM)	10	0.6946082	20	0.7111172	50	0.703847						
Tetrachloroethylene	10	0.4108652	20	0.426132	50	0.4290922						
Tetrahydrofuran	10	0.8860892	20	0.8833382	50	0.901355						
Toluene	10	0.9248147	20	0.9571422	50	0.9262603						
1,2,4-Trichlorobenzene	10	0.4569409	20	0.5068905	50	0.5824473						
1,1,1-Trichloroethane	10	0.5045127	20	0.5084382	50	0.5058846						
1,1,2-Trichloroethane	10	0.3158503	20	0.3215226	50	0.3211385						
1,1,2-Trichloroethane (SIM)	10	0.3101366	20	0.3159705	50	0.3117014						
Trichloroethylene	10	0.3222816	20	0.3270166	50	0.3315086						
Trichloroethylene (SIM)	10	0.3342316	20	0.3388727	50	0.3407163						
Trichlorofluoromethane (Freon 1	10	1.840487	20	1.804459	50	1.801864						
1,1,2-Trichloro-1,2,2-trifluoroeth	10	1.47478	20	1.434764	50	1.457158						
1,2,4-Trimethylbenzene	10	1.14633	20	1.186414	50	1.173384						
1,3,5-Trimethylbenzene	10	1.160685	20	1.183954	50	1.160115						
Vinyl Acetate	10	1.31971	20	1.374128	50	1.52448						
Vinyl Chloride	10	0.7158434	20	0.714741	50	0.7034901						
Vinyl Chloride (SIM)	10	0.6743884	20	0.6817211	50	0.6635793						
m&p-Xylene	20	1.03967	40	1.060177	100	1.004388						
o-Xylene	10	0.9942707	20	1.025387	50	1.008087						
4-Bromofluorobenzene (1)	8	0.561299	8	0.5794373	8	0.5814325						
4-Bromofluorobenzene (1) (SIM	8	0.5261253	8	0.5302044	8	0.5413451						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	1.122255	10.1			30	
Acrolein	0.3174798	11.0			30	
Benzene	0.7254293	5.8			30	
Benzyl chloride	0.65192	25.6			30	
Bromodichloromethane	0.5567047	2.8			30	
Bromoform	0.4926101	7.0			30	
Bromomethane	0.6308676	6.0			30	
1,3-Butadiene	0.551149	4.7			30	
2-Butanone (MEK)	1.381604	18.5			30	
Carbon Disulfide	2.063757	7.7			30	
Carbon Tetrachloride	0.5110368	4.7			30	
Chlorobenzene	0.7219812	3.9			30	
Chloroethane	0.411751	15.4			30	
Chloroform	1.439332	4.1			30	
Chloromethane	0.6101459	9.3			30	
Cyclohexane	0.3030286	13.1			30	
Dibromochloromethane	0.5644122	4.1			30	
1,2-Dibromoethane (EDB)	0.5076449	12.8			30	
1,2-Dichlorobenzene	0.6234765	9.3			30	
1,3-Dichlorobenzene	0.6267236	16.0			30	
1,4-Dichlorobenzene	0.5801365	19.2			30	
Dichlorodifluoromethane (Freon 12)	1.768079	4.7			30	
1,1-Dichloroethane	1.392824	4.3			30	
1,2-Dichloroethane	0.9772927	5.9			30	
1,1-Dichloroethylene	1.127187	3.2			30	
cis-1,2-Dichloroethylene	0.908952	4.7			30	
trans-1,2-Dichloroethylene	1.128232	5.7			30	
1,2-Dichloropropane	0.2601948	4.1			30	
cis-1,3-Dichloropropene	0.3962271	5.7			30	
trans-1,3-Dichloropropene	0.3522842	7.8			30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	1.784687	2.8			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dioxane	0.1742852	11.0			30	
Ethanol	0.1732414	6.5			30	
Ethyl Acetate	0.2390169	15.8			30	
Ethylbenzene	1.176902	5.0			30	
4-Ethyltoluene	1.247069	8.3			30	
Heptane	0.2286847	9.5			30	
Hexachlorobutadiene	0.4755616	8.2			30	
Hexane	0.7442178	3.7			30	
2-Hexanone (MBK)	0.5993899	3.5			30	
Isopropanol	1.180699	2.9			30	
Methyl tert-Butyl Ether (MTBE)	2.130891	5.5			30	
Methylene Chloride	0.8716214	5.4			30	
Methyl methacrylate	0.252936	7.6			30	
4-Methyl-2-pentanone (MIBK)	0.2414371	5.6			30	
Naphthalene	0.954618	22.1			30	
Propene	0.4075236	16.9			30	
Styrene	0.6680173	9.2			30	
1,1,2,2-Tetrachloroethane	0.6838293	5.5			30	
Tetrachloroethylene	0.4174566	4.7			30	
Tetrahydrofuran	0.9111963	5.6			30	
Toluene	0.9385805	6.4			30	
1,2,4-Trichlorobenzene	0.3693275	29.8			30	
1,1,1-Trichloroethane	0.5075792	3.8			30	
1,1,2-Trichloroethane	0.309655	11.2			30	
Trichloroethylene	0.3356598	5.7			30	
Trichlorofluoromethane (Freon 11)	1.816743	5.3			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.436582	3.0			30	
1,2,4-Trimethylbenzene	1.021302	10.9			30	
1,3,5-Trimethylbenzene	1.055296	8.5			30	
Vinyl Acetate	1.463541	7.2			30	
Vinyl Chloride	0.7105757	5.0			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
m&p-Xylene	0.9711506	5.0			30	
o-Xylene	0.9550518	15.5			30	
4-Bromofluorobenzene (1)	0.5506403	3.4			30	
Acetone	1.122255	10.1			30	
Acrolein	0.3174798	11.0			30	
Benzene	0.7254293	5.8			30	
Benzyl chloride	0.65192	25.6			30	
Bromodichloromethane	0.5567047	2.8			30	
Bromodichloromethane (SIM)	0.5743019	1.5			30	
Bromoform	0.4926101	7.0			30	
Bromomethane	0.6308676	6.0			30	
1,3-Butadiene	0.551149	4.7			30	
2-Butanone (MEK)	1.381604	18.5			30	
Carbon Disulfide	2.063757	7.7			30	
Carbon Tetrachloride	0.5110368	4.7			30	
Carbon Tetrachloride (SIM)	0.5332034	1.8			30	
Chlorobenzene	0.7219812	3.9			30	
Chloroethane	0.4446898	29.0			30	
Chloroform	1.439332	4.1			30	
Chloroform (SIM)	1.412267	3.6			30	
Chloromethane	0.6101459	9.3			30	
Cyclohexane	0.3030286	13.1			30	
Dibromochloromethane	0.5644122	4.1			30	
1,2-Dibromoethane (EDB)	0.5076449	12.8			30	
1,2-Dichlorobenzene	0.6234765	9.3			30	
1,3-Dichlorobenzene	0.6267236	16.0			30	
1,4-Dichlorobenzene	0.5801365	19.2			30	
Dichlorodifluoromethane (Freon 12)	1.768079	4.7			30	
1,1-Dichloroethane	1.392824	4.3			30	
1,1-Dichloroethane (SIM)	1.364703	4.6			30	
1,2-Dichloroethane	0.9772927	5.9			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,2-Dichloroethane (SIM)	0.9344152	3.2			30	
1,1-Dichloroethylene	1.127187	3.2			30	
1,1-Dichloroethylene (SIM)	1.12193	2.9			30	
cis-1,2-Dichloroethylene	0.908952	4.7			30	
cis-1,2-Dichloroethylene (SIM)	0.9161508	2.5			30	
trans-1,2-Dichloroethylene	1.128232	5.7			30	
trans-1,2-Dichloroethylene (SIM)	1.114117	2.1			30	
1,2-Dichloropropane	0.2601948	4.1			30	
1,2-Dichloropropane (SIM)	0.2591701	3.6			30	
cis-1,3-Dichloropropene	0.3962271	5.7			30	
cis-1,3-Dichloropropene (SIM)	0.4009411	5.6			30	
trans-1,3-Dichloropropene	0.3522842	7.8			30	
trans-1,3-Dichloropropene (SIM)	0.3762266	13.3			30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	1.784687	2.8			30	
1,4-Dioxane	0.1742852	11.0			30	
Ethanol	0.1732414	6.5			30	
Ethyl Acetate	0.2390169	15.8			30	
Ethylbenzene	1.176902	5.0			30	
4-Ethyltoluene	1.247069	8.3			30	
Heptane	0.2286847	9.5			30	
Hexachlorobutadiene	0.4755616	8.2			30	
Hexane	0.7442178	3.7			30	
2-Hexanone (MBK)	0.5993899	3.5			30	
Isopropanol	1.180699	2.9			30	
Methyl tert-Butyl Ether (MTBE)	2.130891	5.5			30	
Methylene Chloride	0.8716214	5.4			30	
Methyl methacrylate	0.252936	7.6			30	
4-Methyl-2-pentanone (MIBK)	0.2414371	5.6			30	
Naphthalene	0.954618	22.1			30	
Propene	0.4075236	16.9			30	
Styrene	0.6680173	9.2			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6838293	5.5			30	
1,1,2,2-Tetrachloroethane (SIM)	0.6792109	3.9			30	
Tetrachloroethylene	0.4174566	4.7			30	
Tetrahydrofuran	0.9111963	5.6			30	
Toluene	0.9385805	6.4			30	
1,2,4-Trichlorobenzene	0.3693275	29.8			30	
1,1,1-Trichloroethane	0.5075792	3.8			30	
1,1,2-Trichloroethane	0.309655	11.2			30	
1,1,2-Trichloroethane (SIM)	0.311765	3.2			30	
Trichloroethylene	0.3356598	5.7			30	
Trichloroethylene (SIM)	0.3364263	2.4			30	
Trichlorofluoromethane (Freon 11)	1.816743	5.3			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.436582	3.0			30	
1,2,4-Trimethylbenzene	1.021302	10.9			30	
1,3,5-Trimethylbenzene	1.055296	8.5			30	
Vinyl Acetate	1.463541	7.2			30	
Vinyl Chloride	0.7105757	5.0			30	
Vinyl Chloride (SIM)	0.6696573	1.8			30	
m&p-Xylene	0.9711506	5.0			30	
o-Xylene	0.9550518	15.5			30	
4-Bromofluorobenzene (1)	0.5506403	3.4			30	
4-Bromofluorobenzene (1) (SIM)	0.5121536	2.8			30	

INITIAL CALIBRATION STANDARDS

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S091464	Instrument:	SYSL
Calibration:	2300941		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2206342	TO-15 Calibration Standard 0.005 PPBv	S091464-TUN1	L23A214003.D	08/02/23 16:08
2206342	TO-15 Calibration Standard 0.005 PPBv	S091464-CAL1	L23A214004.D	08/02/23 16:32
2206343	TO-15 Calibration Standard 0.010 PPBv	S091464-CAL2	L23A214005.D	08/02/23 16:58
2206344	TO-15 Calibration Standard 0.020 PPBv	S091464-CAL3	L23A214006.D	08/02/23 17:24
2306742	TO-15 Calibration Standard 0.025 PPBv	S091464-CAL4	L23A214007.D	08/02/23 17:50
2306743	TO-15 Calibration Standard 0.05 PPBv	S091464-CAL5	L23A214008.D	08/02/23 18:17
2306744	TO-15 Calibration Standard 0.10 PPBv	S091464-CAL6	L23A214009.D	08/02/23 18:43
2306745	TO-15 Calibration Standard 0.20 PPBv	S091464-CAL7	L23A214010.D	08/02/23 19:09
2305541	TO-15 Calibration Standard 0.25 PPBv	S091464-CAL8	L23A214011.D	08/02/23 19:35
2306746	TO-15 Calibration Standard 0.50 PPBv	S091464-CAL9	L23A214012.D	08/02/23 20:01
2306747	TO-15 Calibration Standard 1.0 PPBv	S091464-CALA	L23A214013.D	08/02/23 20:30
2306748	TO-15 Calibration Standard 2.0 PPBv	S091464-CALB	L23A214014.D	08/02/23 20:55
2306749	TO-15 Calibration Standard 5.0 PPBv	S091464-CALC	L23A214015.D	08/02/23 21:21
2306750	TO-15 Calibration Standard 10.0 PPBv	S091464-CALD	L23A214016.D	08/02/23 21:48
2306751	TO-15 Calibration Standard 20.0 PPBv	S091464-CALE	L23A214017.D	08/02/23 22:17
2306752	TO-15 Calibration Standard 50.0 PPBv	S091464-CALF	L23A214018.D	08/02/23 22:50

D:\MassHunter\GCMS\1\data\L080223\

Date	Filename	Lab ID	Sample Info
02 Aug 2023 03:09 pm	L23A214001.D	CLUP	CTIS-593-1298
02 Aug 2023 03:43 pm	L23A214002.D	CLUP	
02 Aug 2023 04:08 pm	L23A214003.D	BFB	
02 Aug 2023 04:32 pm	L23A214004.D	0.005PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 04:58 pm	L23A214005.D	0.010PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 05:24 pm	L23A214006.D	0.020PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 05:50 pm	L23A214007.D	0.025PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 06:17 pm	L23A214008.D	0.05PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 06:43 pm	L23A214009.D	0.10PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 07:09 pm	L23A214010.D	0.20PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 07:35 pm	L23A214011.D	0.25PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 08:01 pm	L23A214012.D	0.50PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 08:30 pm	L23A214013.D	1.0PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 08:55 pm	L23A214014.D	2.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 09:21 pm	L23A214015.D	5.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 09:48 pm	L23A214016.D	10.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 10:17 pm	L23A214017.D	20.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 10:50 pm	L23A214018.D	50.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 11:16 pm	L23A214019.D	CLUP	
02 Aug 2023 11:42 pm	L23A214020.D	5.0PPBV ICV	CTWS-4085-1300 08/12

Sequence Report

8/3/2023 9:12:29 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T1	50	0	10	TW060823.7200A.CTD	8/2/2023 3:09:14 PM	Completed		
	CLUP	One	T1	50	0	500	TW060823.7200A.CTD	8/2/2023 3:43:00 PM	Completed		
	BFB	One	T2	50	0	10	TW060823.7200A.CTD	8/2/2023 4:08:05 PM	Completed		
	0.005PPBV STD	One	T2	50	0	10	TW060823.7200A.CTD	8/2/2023 4:32:58 PM	Completed		
	0.010PPBV STD	One	T2	50	0	20	TW060823.7200A.CTD	8/2/2023 4:58:55 PM	Completed		
	0.020PPBV STD	One	T2	50	0	40	TW060823.7200A.CTD	8/2/2023 5:24:33 PM	Completed		
	0.025PPBV STD	One	T2	50	0	50	TW060823.7200A.CTD	8/2/2023 5:50:26 PM	Completed		
	0.05PPBV STD	One	T2	50	0	100	TW060823.7200A.CTD	8/2/2023 6:17:12 PM	Completed		
	0.10PPBV STD	One	T3	50	0	20	TW060823.7200A.CTD	8/2/2023 6:43:16 PM	Completed		
	0.20PPBV STD	One	T3	50	0	40	TW060823.7200A.CTD	8/2/2023 7:09:00 PM	Completed		
	0.25PPBV STD	One	T3	50	0	50	TW060823.7200A.CTD	8/2/2023 7:35:00 PM	Completed		
	0.50PPBV STD	One	T3	50	0	100	TW060823.7200A.CTD	8/2/2023 8:01:47 PM	Completed		
	1.0PPBV STD	One	T3	50	0	200	TW060823.7200A.CTD	8/2/2023 8:30:21 PM	Completed		
	2.0PPBV STD	One	T4	50	0	20	TW060823.7200A.CTD	8/2/2023 8:55:56 PM	Completed		
	5.0PPBV STD	One	T4	50	0	50	TW060823.7200A.CTD	8/2/2023 9:21:47 PM	Completed		
	10.0PPBV STD	One	T4	50	0	100	TW060823.7200A.CTD	8/2/2023 9:48:37 PM	Completed		

Sequence Report

8/3/2023 9:12:29 AM

	20.0PPBV STD	One	T4	50	0	200	TW06082 3.7200A.CTD	8/2/2023 10:17:09 PM	Completed		
	50.0PPBV STD	One	T4	50	0	500	TW06082 3.7200A.CTD	8/2/2023 10:50:53 PM	Completed		
	CLUP	One	T5	50	0	50	TW06082 3.7200A.CTD	8/2/2023 11:16:59 PM	Completed		
	5.0PPBV ICV	One	T5	50	0	50	TW06082 3.7200A.CTD	8/2/2023 11:42:51 PM	Completed		

Response Factor Report SYSL

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : L080223SIM.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Thu Aug 03 11:36:52 2023
Response Via : Initial Calibration

Calibration Files
5 =L23A214004.D 10 =L23A214005.D 20 =L23A214006.D 25 =L23A214007.D 50 =L23A214008.D 100 =L23A214009.D 200 =L23A214010.D 250 =L23A214011.D
500 =L23A214012.D 1.0 =L23A214013.D 2.0 =L23A214014.D 5.0 =L23A214015.D 10.0=L23A214016.D 20.0=L23A214017.D 50.0=L23A214018.D LCS =L23A160001.D

	Compound	5	10	20	25	50	100	200	250	500	1.0	2.0	5.0	10.0	20.0	50.0	LCS	Avg	%RSD
1) I	BROMOCHLOROMETHANE...	----------ISTD----------																	
2)	PROPENE						0.579	0.475	0.416	0.367	0.388	0.372	0.369	0.369	0.369	0.372		0.408	16.95
3)	DICHLORODIFLUO...	1.598	1.933	1.777	1.808	1.790	1.720	1.786	1.739	1.829	1.797	1.767	1.671					1.768	4.69
4)	CHLOROMETHANE	0.768	0.540	0.593	0.566	0.633	0.625	0.609	0.573	0.629	0.605	0.595	0.584					0.610	9.32
5)	FREON 114	1.744	1.908	1.782	1.798	1.789	1.749	1.814	1.725	1.815	1.794	1.774	1.726					1.785	2.80
6)	VINYL CHLORIDE	0.713	0.731	0.802	0.681	0.700	0.661	0.696	0.683	0.727	0.716	0.715	0.703					0.711	4.95
7)	1,3-BUTADIENE		0.528	0.571	0.605	0.574	0.518	0.572	0.529	0.545	0.546	0.540	0.536					0.551	4.72
8)	BROMOMETHANE		0.735	0.616	0.632	0.594	0.608	0.658	0.617	0.627	0.621	0.612	0.620					0.631	6.02
9)	CHLOROETHANE		0.499	0.562	0.422	0.408	0.382	0.401	0.359	0.376	0.376	0.368	0.374					0.412	15.37
10)	ACROLEIN						0.389	0.370	0.309	0.326	0.314	0.286	0.291	0.300	0.295	0.294		0.317	11.02
11)	ACETONE									1.245	1.322	1.066	1.078	1.067	1.044	1.035		1.122	10.10
12)	TRICHLOROFLUOR...	2.054	1.718	1.756	1.924	1.737	1.728	1.840	1.755	1.842	1.840	1.804	1.802					1.817	5.29
13)	ETHANOL									0.171	0.198	0.167	0.171	0.174	0.166	0.167		0.173	6.51
14)	1,1-DICHLOROET...	1.071	1.203	1.103	1.128	1.107	1.096	1.162	1.095	1.149	1.146	1.144	1.122					1.127	3.19
15)	METHYLENE CHLO...		0.944	0.964	0.845	0.907	0.880	0.832	0.836	0.859	0.856	0.835	0.831					0.872	5.38
16)	FREON 113	1.416	1.373	1.485	1.488	1.377	1.431	1.480	1.374	1.448	1.475	1.435	1.457					1.437	3.02
17)	CARBON DISULFIDE	2.438	2.294	1.939	2.128	1.959	1.921	2.085	1.911	2.031	2.029	2.023	2.006					2.064	7.66
18)	TRANS-1,2-DICH...	1.279	0.999	1.117	1.176	1.091	1.134	1.132	1.087	1.142	1.132	1.127	1.123					1.128	5.69
19)	1,1-DICHLOROET...	1.412	1.558	1.329	1.390	1.437	1.344	1.391	1.344	1.381	1.393	1.373	1.362					1.393	4.32
20)	MTBE	2.378	2.347	2.143	2.068	2.173	2.072	2.115	2.038	2.105	2.081	2.038	2.014					2.131	5.50
21)	IPA									1.226	1.184	1.153	1.219	1.192	1.149	1.142		1.181	2.87
22)	2-BUTANONE(MEK)	2.124	1.613	1.328	1.354	1.299	1.243	1.248	1.211	1.269	1.303	1.277	1.310					1.382	18.48
23)	CIS-1,2-DICHLO...	0.869	0.912	0.825	0.963	0.944	0.862	0.914	0.870	0.923	0.940	0.933	0.953					0.909	4.71
24)	VINYL ACETATE					1.630	1.562	1.338	1.524	1.453	1.446	1.320	1.374	1.524				1.464	7.24
25)	HEXANE		0.701	0.752	0.792	0.778	0.755	0.723	0.706	0.728	0.748	0.747	0.757					0.744	3.75
26)	ETHYL ACETATE		0.344	0.213	0.252	0.232	0.234	0.230	0.198	0.222	0.230	0.230	0.243					0.239	15.77
27)	CHLOROFORM	1.447	1.310	1.485	1.452	1.443	1.357	1.478	1.382	1.471	1.472	1.478	1.497					1.439	4.06
28)	TETRAHYDROFURAN		1.046	0.908	0.875	0.946	0.931	0.866	0.906	0.874	0.886	0.883	0.901					0.911	5.60
29)	1,2-DICHLOROET...	1.084	0.840	0.950	1.006	0.975	0.995	1.001	0.921	0.983	0.986	0.984	1.003					0.977	5.92
30) I	1,4-DIFLUOROBENZEN...	----------ISTD----------																	
31)	1,1,1-TRICHLOR...	0.503	0.557	0.529	0.482	0.504	0.501	0.502	0.486	0.508	0.505	0.508	0.506					0.508	3.82
32)	BENZENE	0.841	0.740	0.735	0.744	0.735	0.703	0.691	0.674	0.712	0.712	0.718	0.702					0.725	5.78
33)	CARBON TETRACH...	0.455	0.489	0.551	0.530	0.506	0.519	0.523	0.492	0.521	0.505	0.522	0.520					0.511	4.75
34)	CYCLOHEXANE	0.410	0.255	0.334	0.305	0.287	0.265	0.285	0.283	0.296	0.300	0.308	0.310					0.303	13.07
35)	1,2-DICHLOROPR...	0.244	0.288	0.256	0.258	0.263	0.259	0.251	0.253	0.263	0.257	0.263	0.268					0.260	4.15
36)	BROMODICHLOROM...	0.532	0.538	0.545	0.583	0.559	0.570	0.566	0.539	0.572	0.556	0.563	0.558					0.557	2.81
37)	TRICHLOROETHENE	0.369	0.379	0.334	0.334	0.332	0.336	0.326	0.310	0.327	0.322	0.327	0.332					0.336	5.73
38)	1,4-DIOXANE						0.201	0.217	0.169	0.166	0.162	0.171	0.174	0.164	0.159	0.160		0.174	10.99

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : L080223SIM.M
Title : QUANT METHOD FOR TO-14/TO-15

39)		METHYLMETHACRY...				0.294	0.247	0.246	0.253	0.229	0.235	0.236	0.249	0.252	0.265	0.277	0.253	7.64
40)		HEPTANE			0.281	0.245	0.215	0.243	0.200	0.232	0.207	0.210	0.222	0.226	0.232	0.231	0.229	9.50
41)		MIBK				0.272	0.246	0.220	0.252	0.228	0.235	0.236	0.245	0.238	0.242	0.242	0.241	5.57
42)		CIS-1,3-DICHLO...			0.443	0.378	0.385	0.379	0.397	0.373	0.393	0.368	0.398	0.400	0.412	0.428	0.396	5.69
43)		TRANS-1,3-DICH...			0.374	0.382	0.315	0.338	0.315	0.345	0.334	0.328	0.355	0.363	0.377	0.401	0.352	7.83
44)	I	CHLOROBENZENE-D5 (1)	----------ISTD----------															
45)		1,1,2-TRICHLOR...			0.234	0.388	0.316	0.309	0.285	0.291	0.310	0.307	0.317	0.316	0.322	0.321	0.310	11.19
46)		TOLUENE			1.103	0.915	0.940	0.981	0.913	0.914	0.898	0.860	0.931	0.925	0.957	0.926	0.939	6.37
47)		2-HEXANONE(MBK)				0.569	0.584	0.588	0.610	0.581	0.593	0.580	0.620	0.618	0.630	0.619	0.599	3.45
48)		DIBROMOCHLOROM...			0.554	0.605	0.586	0.565	0.558	0.536	0.554	0.520	0.568	0.563	0.579	0.585	0.564	4.10
49)		1,2-DIBROMOETHANE				0.684	0.540	0.536	0.484	0.472	0.475	0.444	0.475	0.479	0.494	0.501	0.508	12.75
50)		TETRACHLOROETHENE			0.435	0.383	0.439	0.385	0.441	0.416	0.424	0.401	0.419	0.411	0.426	0.429	0.417	4.65
51)		CHLOROBENZENE			0.763	0.747	0.723	0.709	0.774	0.703	0.701	0.671	0.718	0.710	0.722	0.723	0.722	3.91
52)		ETHYLBENZENE			1.189	1.091	1.120	1.222	1.168	1.084	1.166	1.140	1.221	1.230	1.270	1.221	1.177	5.01
53)		M/P-XYLENE			0.936	0.920	0.959	0.945	0.916	0.935	0.970	0.944	1.024	1.040	1.060	1.004	0.971	5.04
54)		BROMOFORM			0.517	0.474	0.478	0.496	0.457	0.465	0.475	0.448	0.491	0.505	0.538	0.566	0.493	7.02
55)		STYRENE			0.689	0.586	0.600	0.634	0.612	0.617	0.671	0.650	0.712	0.721	0.756	0.770	0.668	9.25
56)		O-XYLENE			0.865	0.728	0.828	1.336	0.923	0.918	0.933	0.896	1.006	0.994	1.025	1.008	0.955	15.45
57)		1,1,2,2-TETRAC...			0.608	0.647	0.680	0.663	0.681	0.689	0.681	0.658	0.711	0.713	0.737	0.740	0.684	5.55
58)	S	4-BROMOFLUOROB...	0.513	0.536	0.538	0.542	0.539	0.535	0.548	0.545	0.550	0.556	0.563	0.572	0.561	0.579	0.581	0.551	3.39
59)		4-ETHYLTOLUENE				1.240	1.119	1.126	1.212	1.195	1.168	1.200	1.193	1.335	1.388	1.417	1.370	1.247	8.30
60)		1,3,5-TRIMETHY...				1.045	0.889	0.977	1.076	1.009	0.986	1.026	1.022	1.131	1.161	1.184	1.160	1.055	8.47
61)		1,2,4-TRIMETHY...				0.985	0.840	0.906	0.956	0.971	0.951	1.013	1.005	1.123	1.146	1.186	1.173	1.021	10.89
62)		1,3-DICHLOROBE...				0.594	0.515	0.481	0.550	0.566	0.560	0.664	0.605	0.727	0.721	0.758	0.780	0.627	15.97
63)		BENZYL CHLORIDE					0.529	0.530	0.517	0.499	0.545	0.596	0.589	0.706	0.779	0.909	0.973	0.652	25.59
64)		1,4-DICHLOROBE...				0.536	0.468	0.423	0.563	0.474	0.515	0.594	0.528	0.661	0.704	0.733	0.763	0.580	19.21
65)		1,2-DICHLOROBE...				0.596	0.619	0.605	0.564	0.556	0.586	0.612	0.572	0.649	0.683	0.707	0.735	0.623	9.31
66)		1,2,4-TRICHLOR...					0.218	0.334	0.306	0.268	0.290	0.331	0.351	0.418	0.457	0.507	0.582	0.369	29.76
67)		NAPHTHALENE				0.842	0.683	0.985	0.798	0.760	0.772	0.875	0.898	1.081	1.171	1.271	1.321	0.955	22.11
68)		HEXACHLOROBUTA...				0.454	0.434	0.424	0.472	0.467	0.457	0.465	0.457	0.490	0.499	0.521	0.566	0.476	8.16
69)	I	BROMOCHLOROMETHANE...	----------ISTD----------															
70)		VINYL CHLORIDE...			0.674	0.654	0.665	0.657	0.666	0.695	0.671	0.662	0.675	0.652	0.684	0.674	0.682	0.664	0.670	1.82
71)		1,1-DICHLOROET...	1.174	1.157	1.039	1.113	1.102	1.109	1.149	1.133	1.104	1.130	1.090	1.141	1.130	1.151	1.110	1.122	2.93
72)		TRANS-1,2-DICH...	1.134	1.141	1.146	1.132	1.104	1.094	1.134	1.117	1.091	1.109	1.060	1.121	1.110	1.123	1.094	1.114	2.07
73)		1,1-DICHLOROET...	1.579	1.336	1.379	1.359	1.323	1.351	1.390	1.350	1.334	1.351	1.308	1.367	1.351	1.363	1.330	1.365	4.62
74)		CIS-1,2-DICHLO...	0.890	0.925	0.912	0.940	0.882	0.919	0.927	0.905	0.898	0.913	0.876	0.933	0.927	0.949	0.947	0.916	2.45
75)		CHLOROFORM (SIM)	1.261	1.438	1.403	1.463	1.404	1.400	1.442	1.406	1.389	1.424	1.365	1.442	1.434	1.466	1.449	1.412	3.59
76)		1,2-DICHLOROET...	0.960	1.018	0.917	0.956	0.923	0.907	0.935	0.922	0.913	0.923	0.884	0.939	0.930	0.944	0.944	0.934	3.23
77)	I	1,4-DIFLUOROBENZEN...	----------ISTD----------															
78)		CARBON TETRACH...	0.512	0.543	0.526	0.539	0.527	0.535	0.545	0.543	0.530	0.538	0.518	0.538	0.533	0.538	0.530	0.533	1.77
79)		1,2-DICHLOROPR...	0.231	0.266	0.269	0.253	0.265	0.262	0.263	0.262	0.256	0.261	0.250	0.263	0.257	0.264	0.264	0.259	3.58
80)		BROMODICHLOROM...	0.583	0.583	0.564	0.575	0.566	0.575	0.584	0.576	0.568	0.581	0.554	0.581	0.578	0.582	0.567	0.574	1.54
81)		TRICHLOROETHEN...	0.345	0.340	0.327	0.351	0.331	0.327	0.344	0.340	0.333	0.339	0.319	0.336	0.334	0.339	0.341	0.336	2.42
82)		CIS-1,3-DICHLO...	0.441	0.438	0.375	0.417	0.387	0.380	0.392	0.391	0.381	0.393	0.370	0.401	0.403	0.420	0.425	0.401	5.58
83)		TRANS-1,3-DICH...	0.505	0.467	0.384	0.389	0.344	0.337	0.349	0.345	0.346	0.349	0.321	0.359	0.365	0.384	0.398	0.376	13.29

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : L080223SIM.M
Title : QUANT METHOD FOR TO-14/TO-15

84) I	CHLOROBENZENE-D5 (...	----------ISTD----------																	
85)	1,1,2-TRICHLOR...	0.325	0.325	0.324	0.320	0.302	0.299	0.317	0.307	0.300	0.310	0.293	0.314	0.310	0.316	0.312		0.312	3.22
86)	1,1,2,2-TETRAC...	0.730	0.702	0.659	0.682	0.657	0.653	0.677	0.665	0.651	0.673	0.635	0.695	0.695	0.711	0.704		0.679	3.91
87) S	4-BROMOFLUOROB...	0.481	0.499	0.506	0.503	0.508	0.506	0.506	0.508	0.510	0.515	0.517	0.525	0.526	0.530	0.541		0.512	2.81

(#) = Out of Range

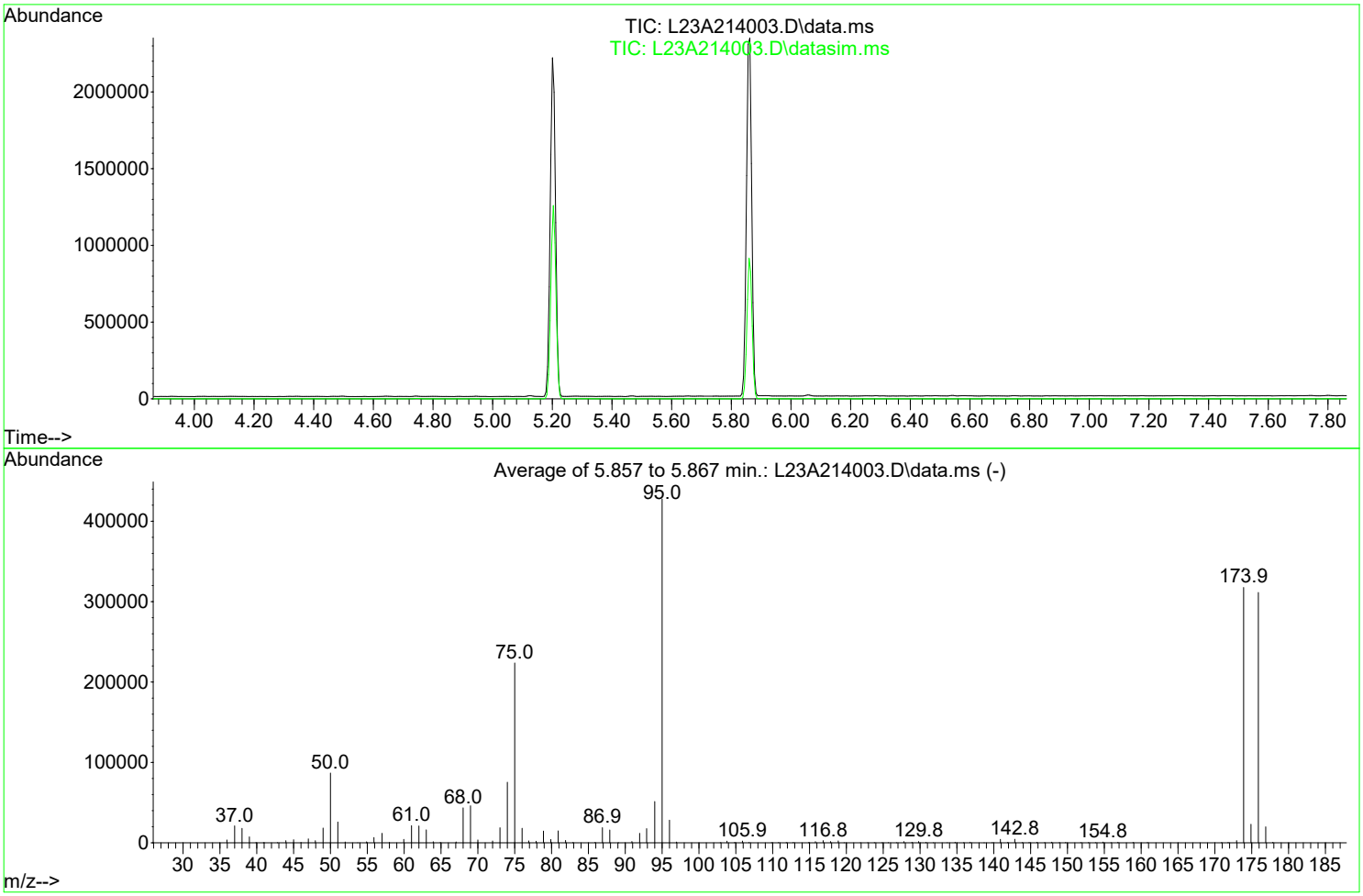
BFB

Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214003.D
Acq On : 02 Aug 2023 04:08 pm
Operator : CMR
Sample : BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

440

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
DataAcq Meth:TOSIMSCAN-TW1.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Mon Jul 03 14:39:10 2023



AutoFind: Scans 790, 791, 792; Background Corrected with Scan 782

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.3	86813	PASS
75	95	30	66	52.3	223701	PASS
95	95	100	100	100.0	427584	PASS
96	95	5	9	6.6	28219	PASS
173	174	0.00	2	0.9	2730	PASS
174	95	50	120	74.3	317632	PASS
175	174	4	9	7.3	23083	PASS
176	174	93	101	98.0	311424	PASS
177	176	5	9	6.4	19906	PASS

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214004.D Vial: 2
Acq On : 02 Aug 2023 04:32 pm Operator: CMR
Sample : 0.005PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:22 2023

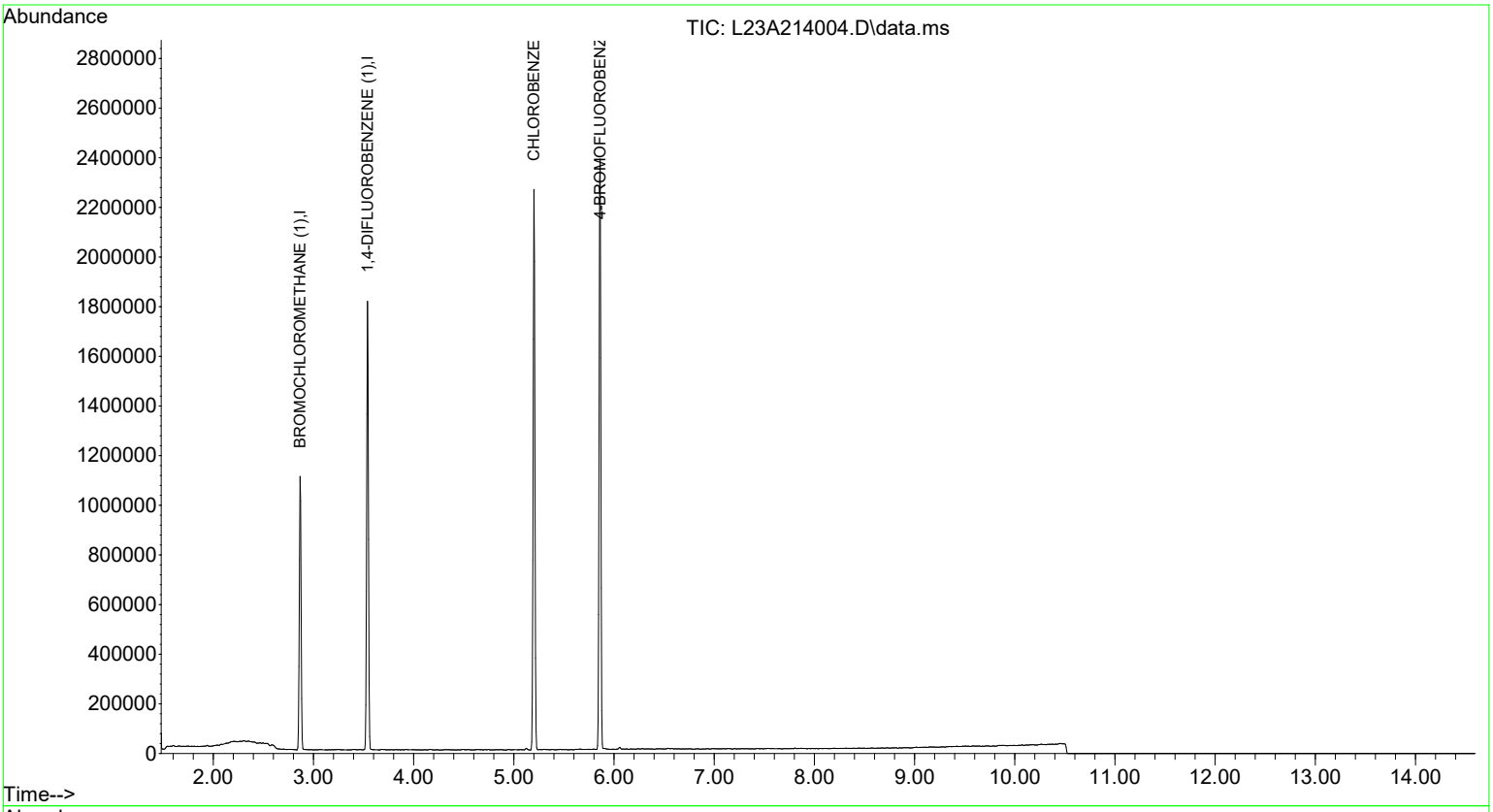
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214004.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

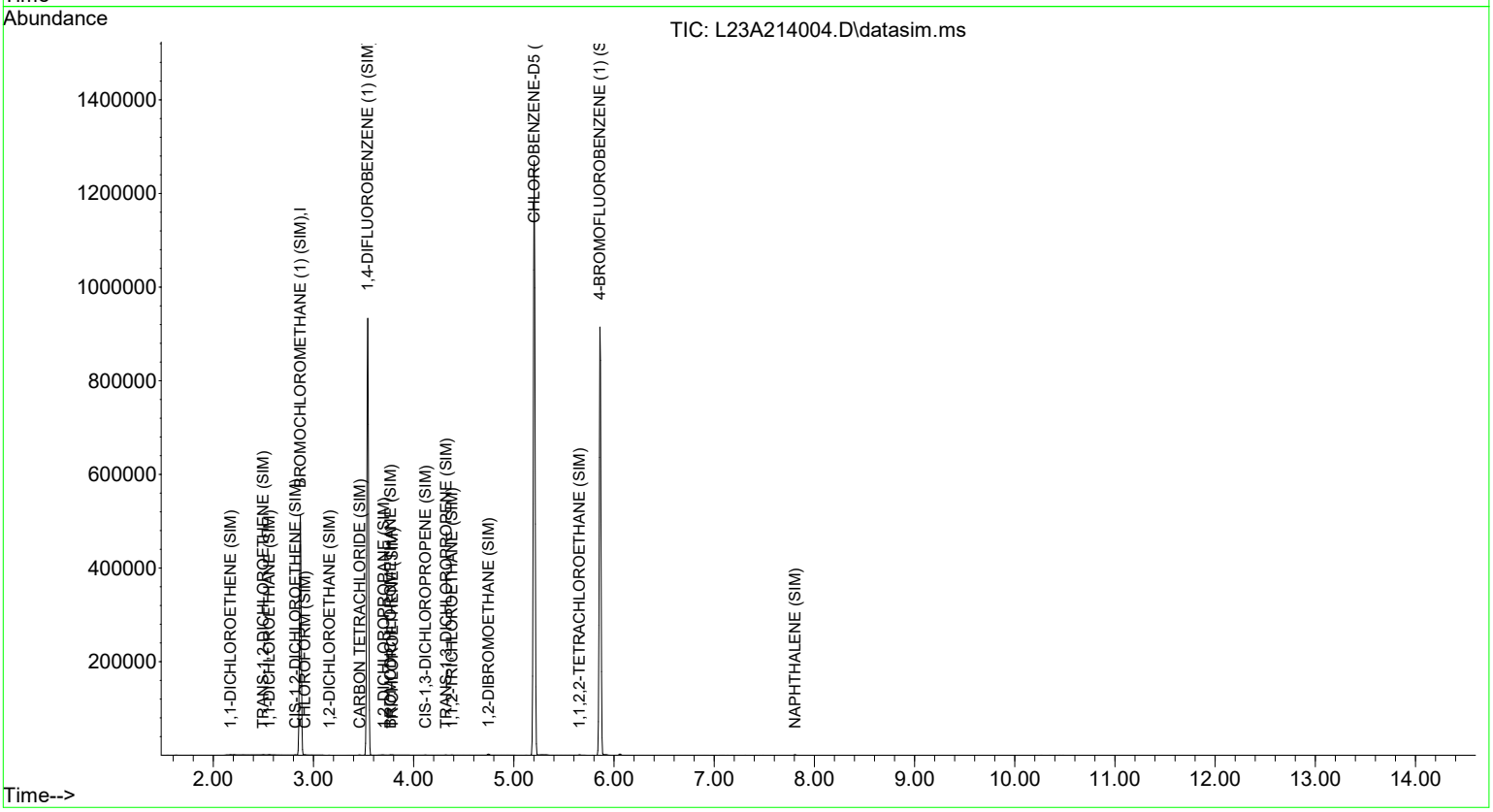
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	328776	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	914445	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	858456	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	366745	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	969258	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	949208	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	440153	7.606	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.13%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	457029	7.541	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.25%			
Target Compounds						Qvalue
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	269	0.006	PPBV	90
72] TRANS-1,2-DICHLOROETHE...	2.500	61	260	0.006	PPBV	94
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	362	0.006	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.820	61	204	0.005	PPBV	99
75] CHLOROFORM (SIM)	2.913	83	289	0.005	PPBV	98
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	220	0.006	PPBV #	48
78] CARBON TETRACHLORIDE (...	3.461	117	310	0.005	PPBV	99
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	140	0.005	PPBV #	73
80] BROMODICHLOROMETHANE (...	3.769	83	353	0.006	PPBV	97
81] TRICHLOROETHENE (SIM)	3.790	95	209	0.006	PPBV	95
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	267	0.006	PPBV #	55
83] TRANS-1,3-DICHLOROPROP...	4.323	75	306	0.008	PPBV #	54
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	193	0.006	PPBV	98
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	1400	0.024	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	433	0.006	PPBV	98
89] NAPHTHALENE (SIM)	7.808	128	1040	0.020	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214004.D Vial: 2
Acq On : 02 Aug 2023 04:32 pm Operator: CMR
Sample : 0.005PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:22 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214004.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

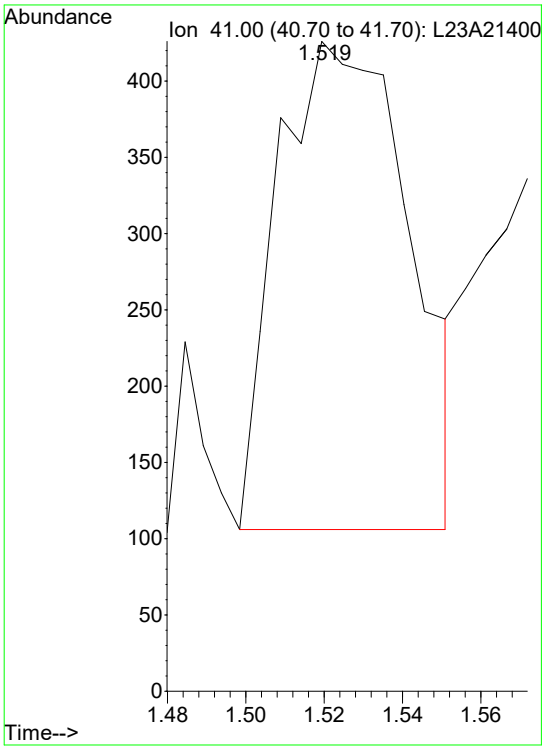




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

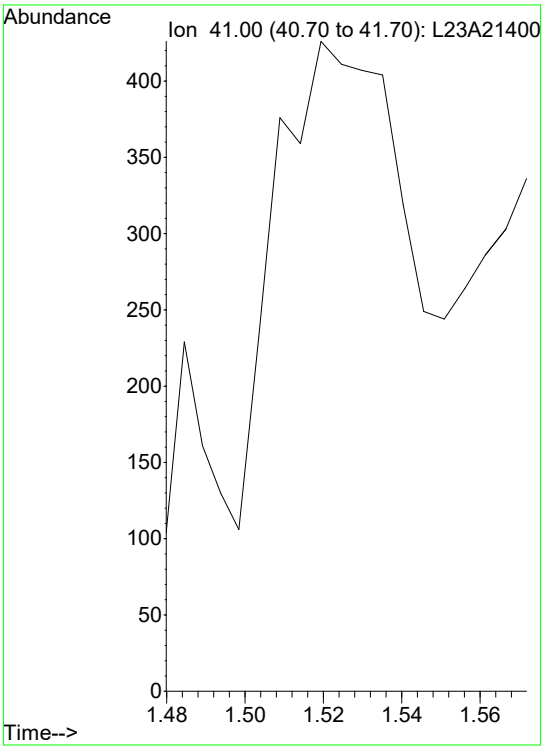
RT : 1.52
Area : 746
Amount: 0.0466118

Manual Int. Results

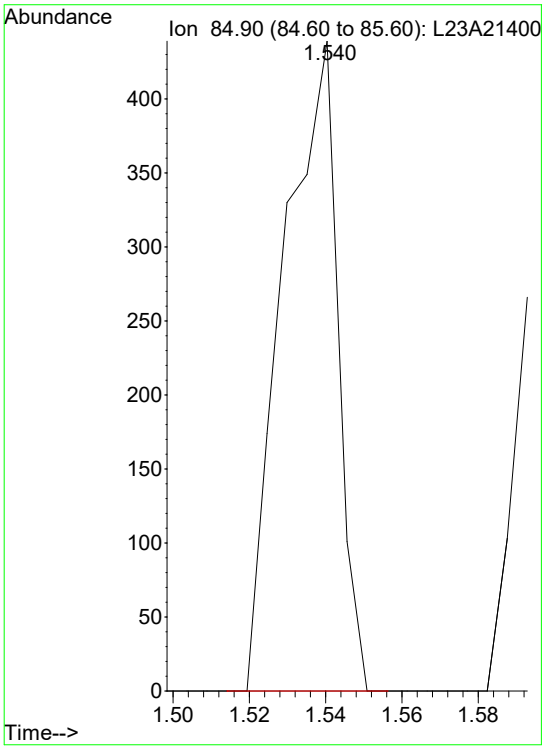
Thu Aug 03 10:53:25 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

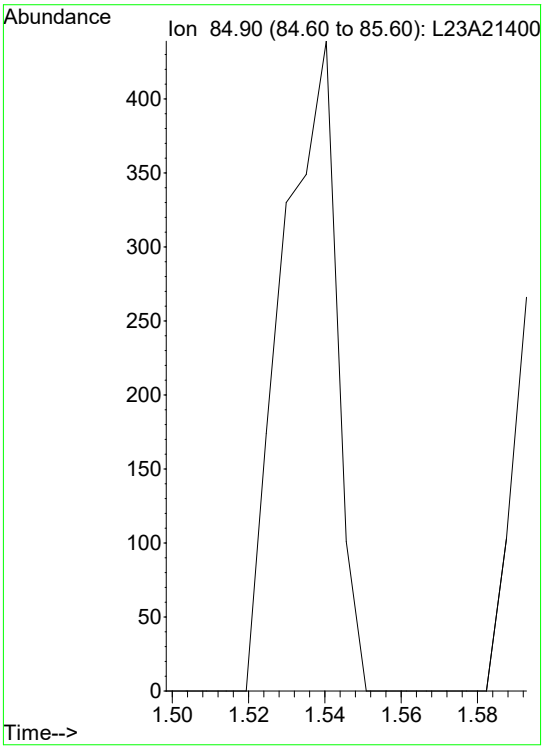
RT : 1.54
Area : 438
Amount: 0.00659698

Manual Int. Results

Thu Aug 03 10:53:23 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

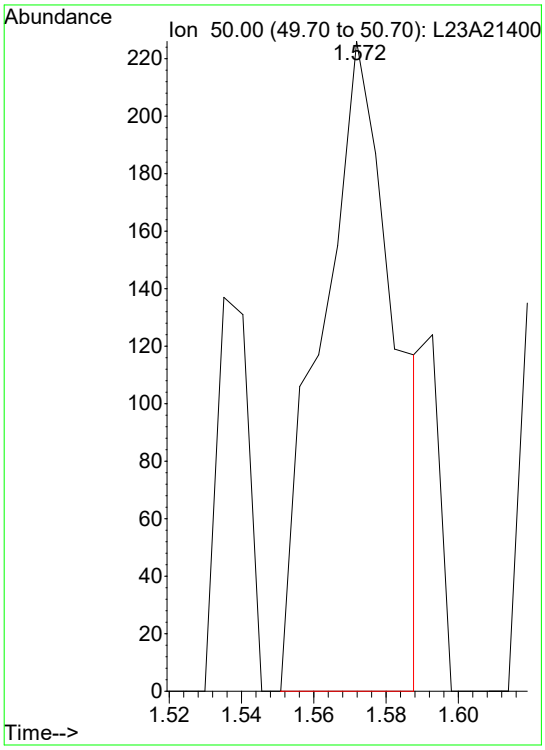
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROMETHANE



Original Int. Results

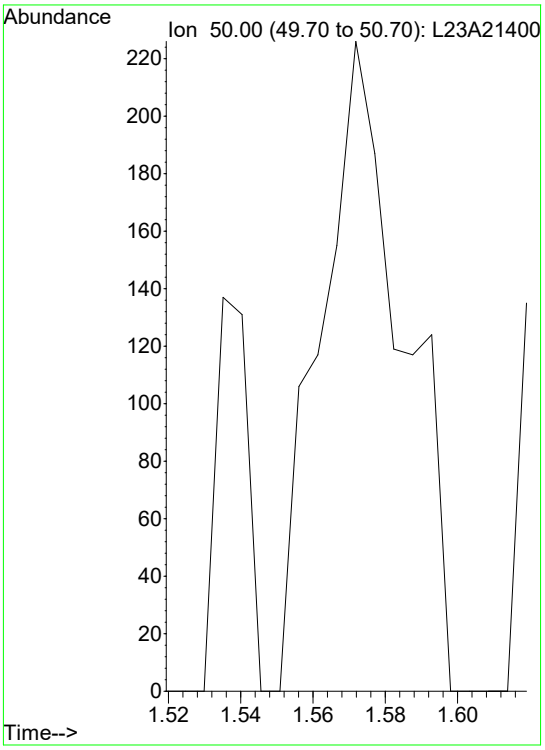
RT : 1.57
Area : 324
Amount: 0.0129308

Manual Int. Results

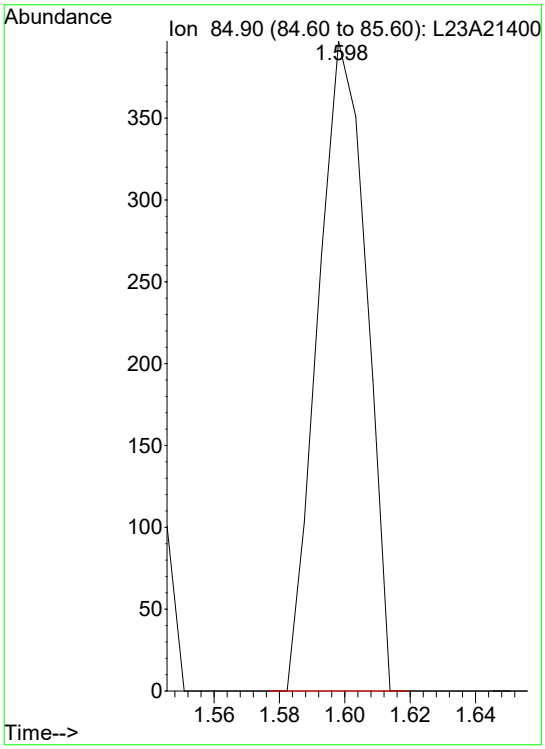
Thu Aug 03 10:53:22 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

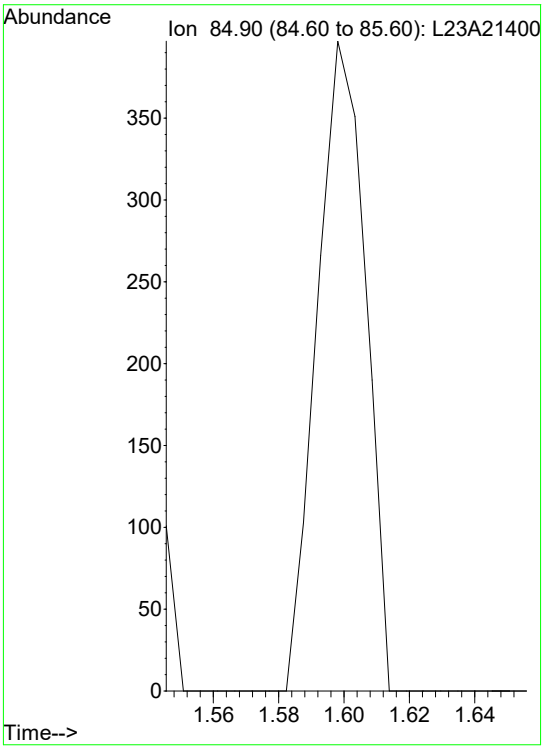
RT : 1.60
Area : 412
Amount: 0.00616826

Manual Int. Results

Thu Aug 03 10:53:20 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

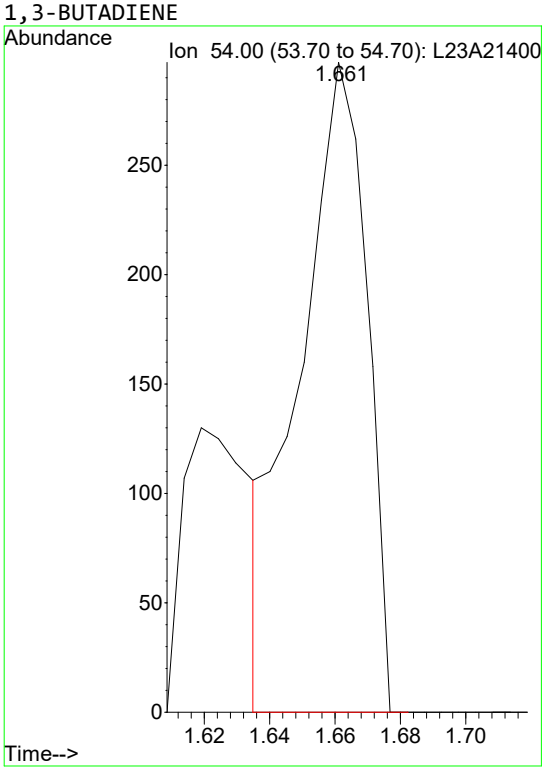
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-BUTADIENE



Original Int. Results

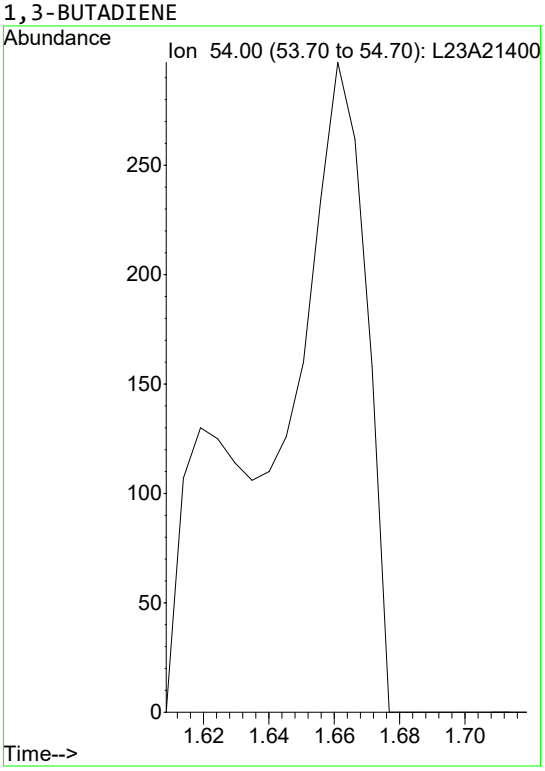
RT : 1.66
Area : 424
Amount: 0.0205392

Manual Int. Results

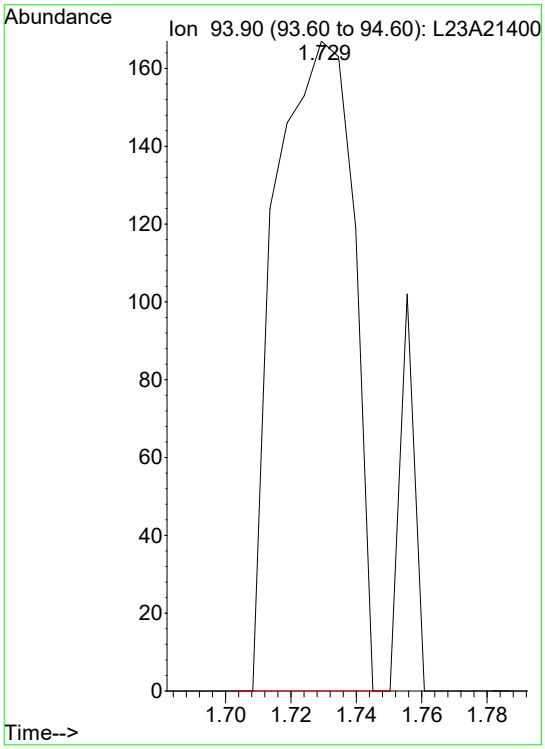
Thu Aug 03 10:53:18 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-BUTADIENE



Original Integration
BROMOMETHANE



Original Int. Results

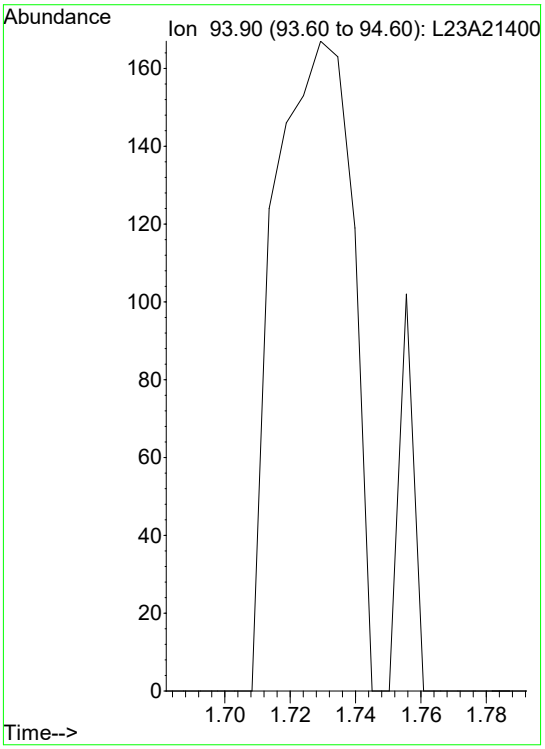
RT : 1.73
Area : 275
Amount: 0.0115439

Manual Int. Results

Thu Aug 03 10:53:17 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

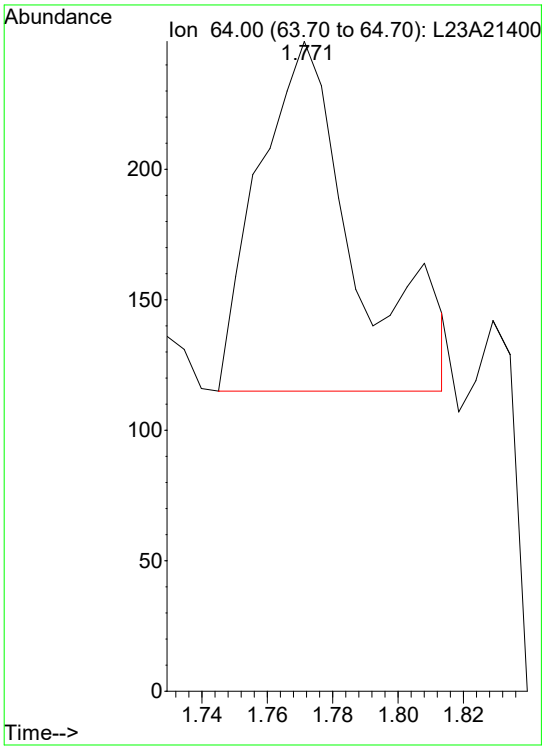
Manual Integration
BROMOMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROETHANE



Original Int. Results

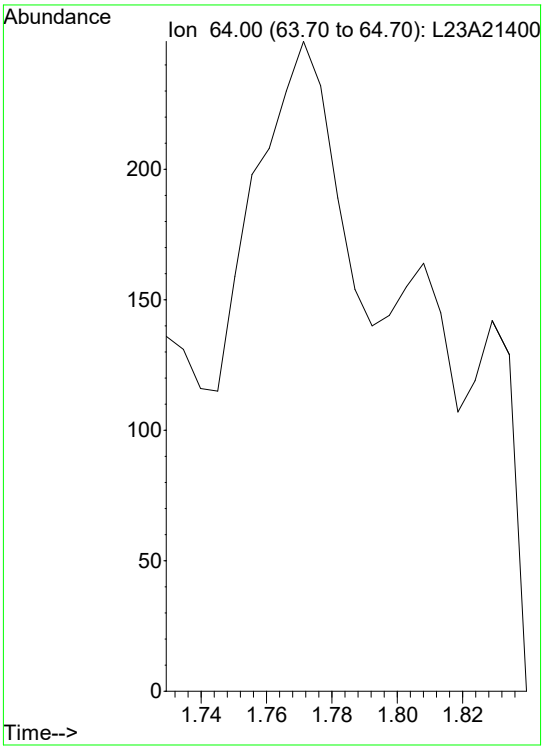
RT : 1.77
Area : 275
Amount: 0.0181838

Manual Int. Results

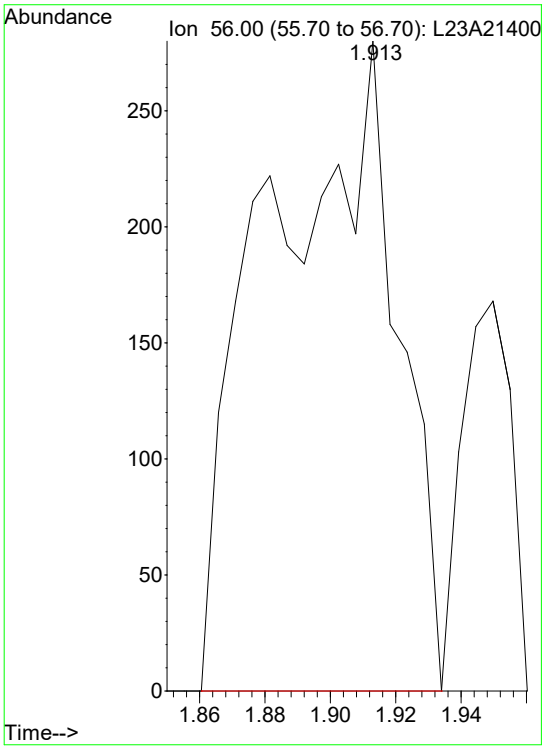
Thu Aug 03 10:53:15 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

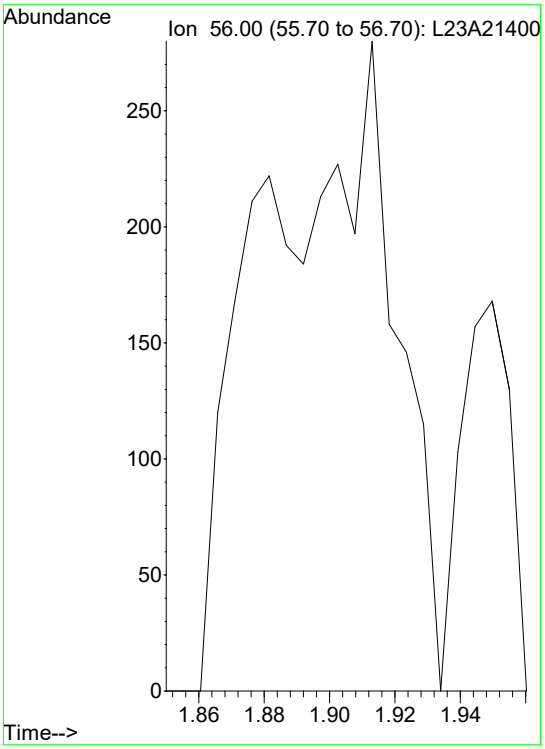
RT : 1.91
Area : 766
Amount: 0.0604249

Manual Int. Results

Thu Aug 03 10:53:14 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

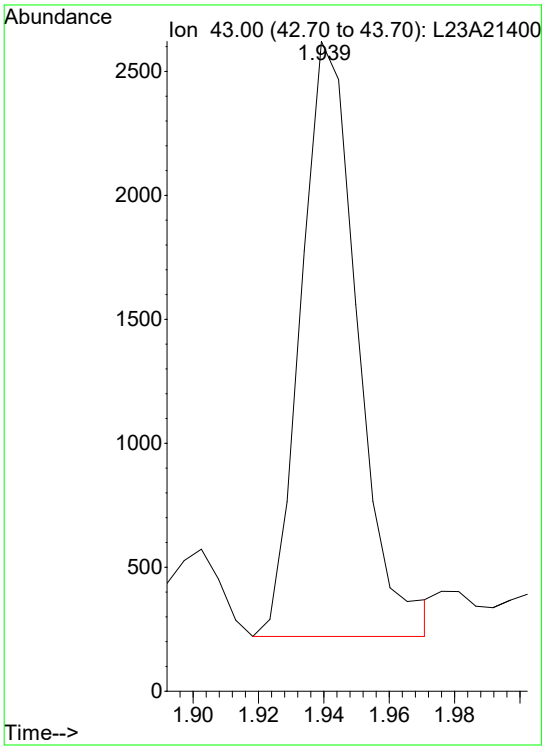
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ACETONE



Original Int. Results

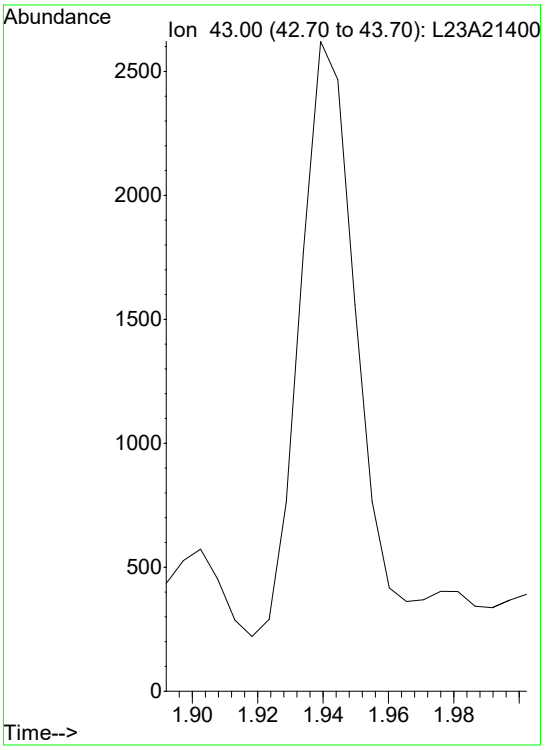
RT : 1.94
Area : 2893
Amount: 0.0613382

Manual Int. Results

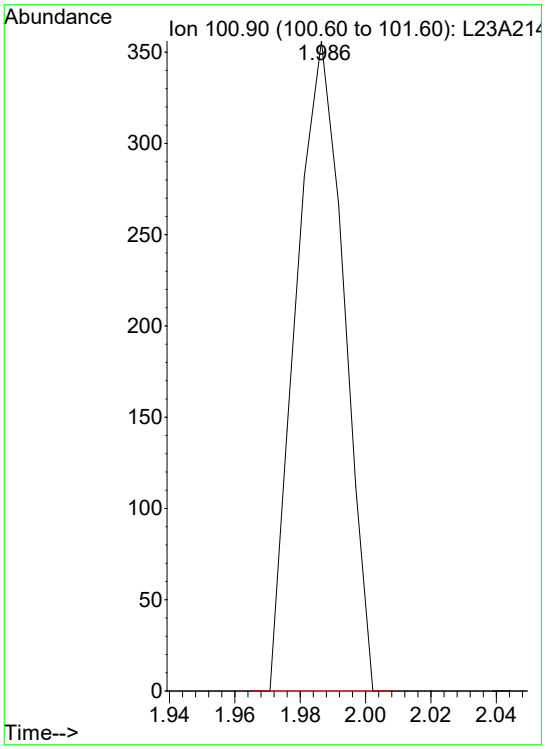
Thu Aug 03 10:53:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE



Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

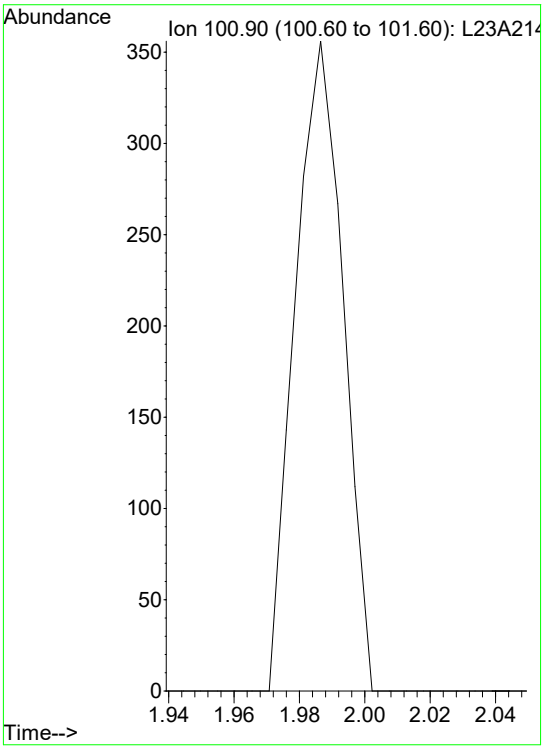
RT : 1.99
Area : 365
Amount: 0.00532496

Manual Int. Results

Thu Aug 03 10:53:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

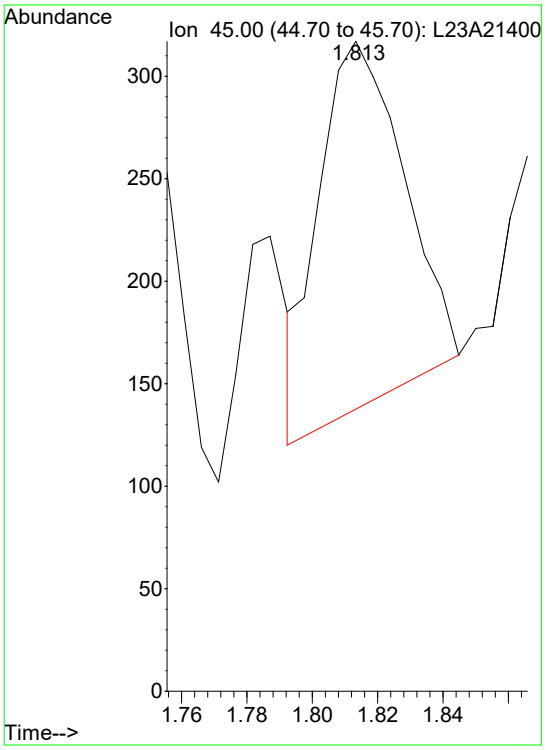
Manual Integration
TRICHLOROFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHANOL



Original Int. Results

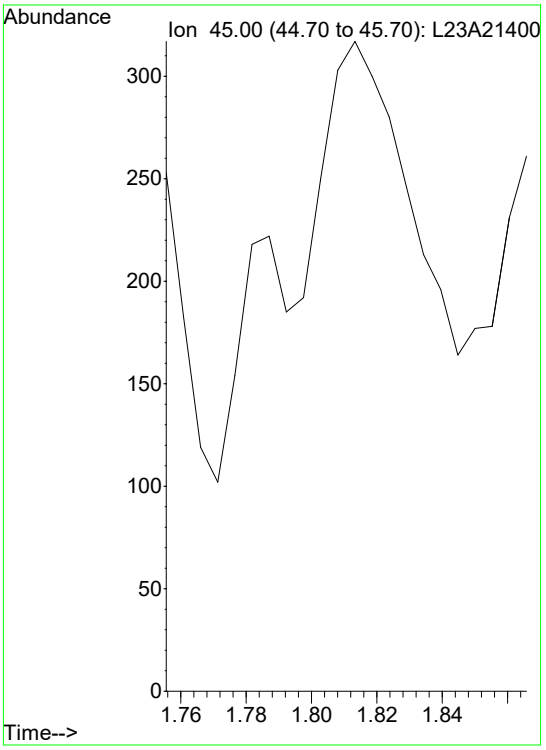
RT : 1.81
Area : 328
Amount: 0.0362339

Manual Int. Results

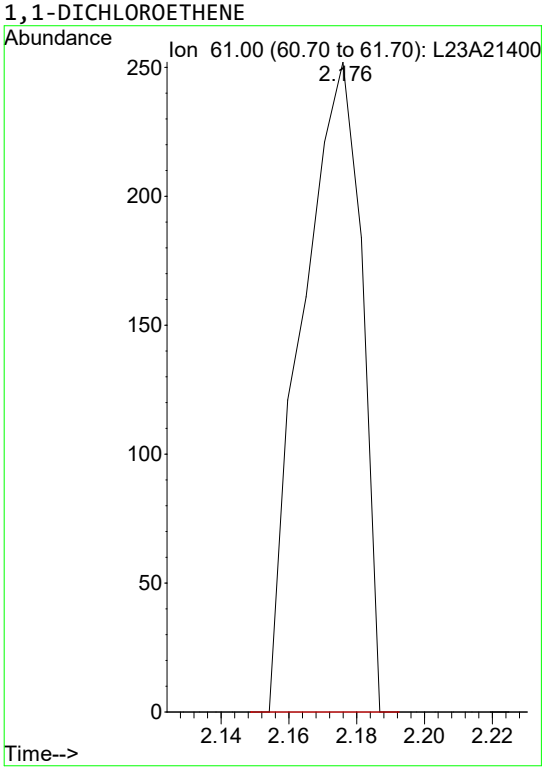
Thu Aug 03 10:53:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
1,1-DICHLOROETHENE



Original Int. Results

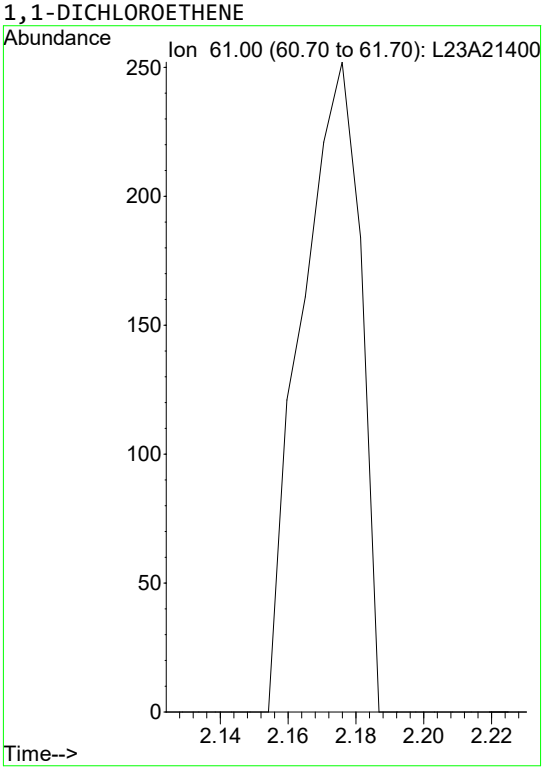
RT : 2.18
Area : 306
Amount: 0.00676186

Manual Int. Results

Thu Aug 03 10:53:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

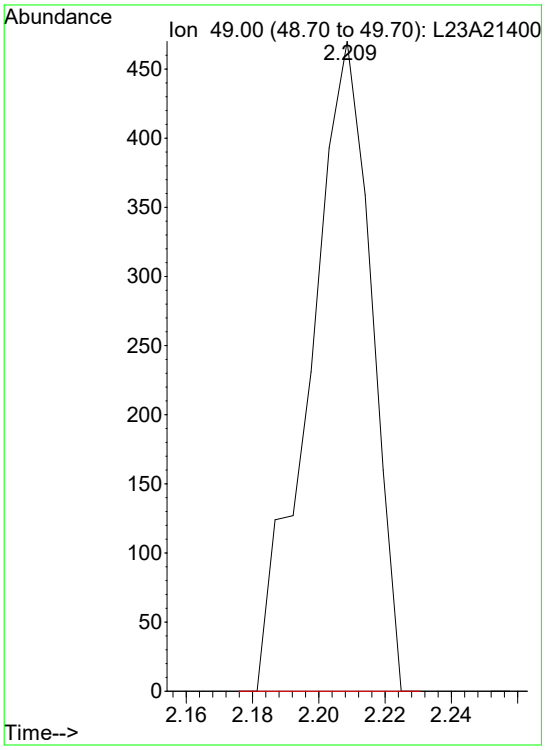
Manual Integration
1,1-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
METHYLENE CHLORIDE



Original Int. Results

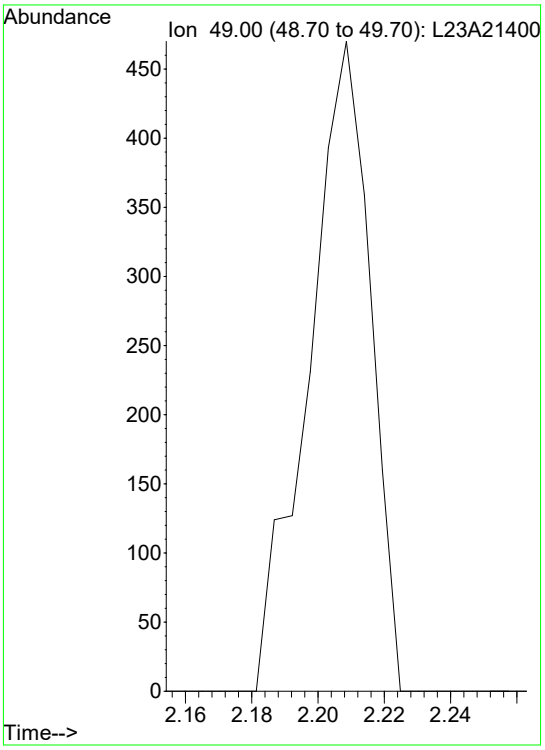
RT : 2.21
Area : 608
Amount: 0.0185382

Manual Int. Results

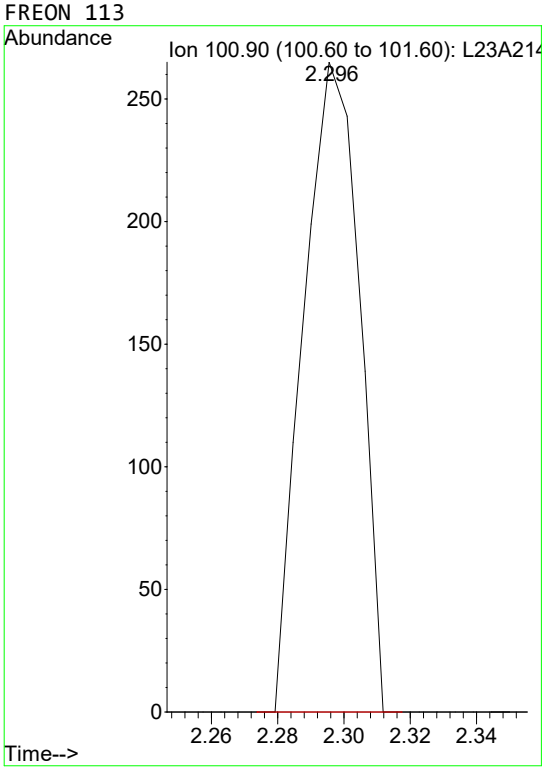
Thu Aug 03 10:53:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYLENE CHLORIDE



Original Integration
FREON 113



Original Int. Results

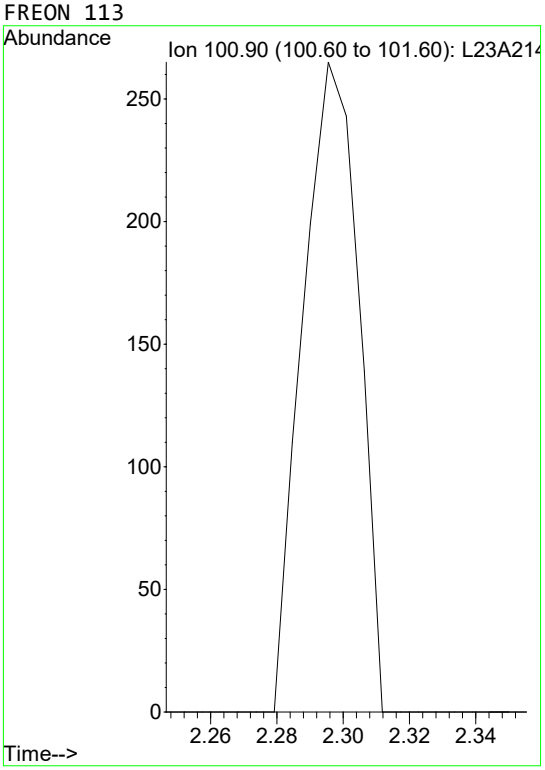
RT : 2.30
Area : 312
Amount: 0.00566509

Manual Int. Results

Thu Aug 03 10:53:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

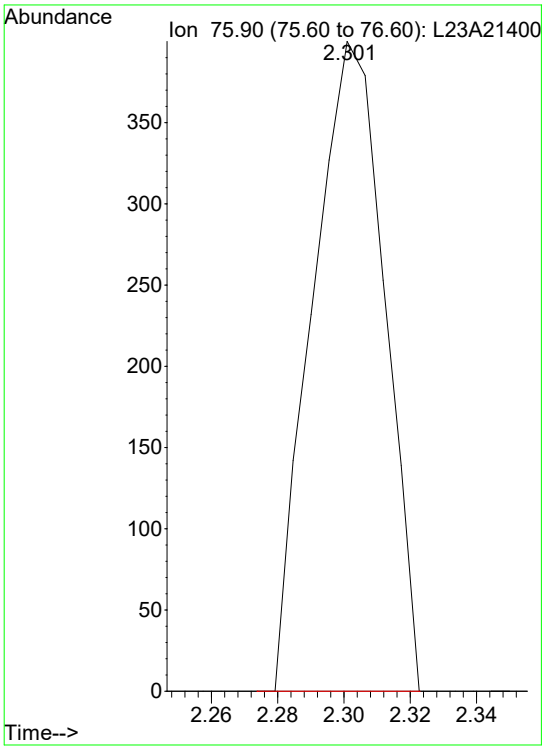
Manual Integration
FREON 113



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

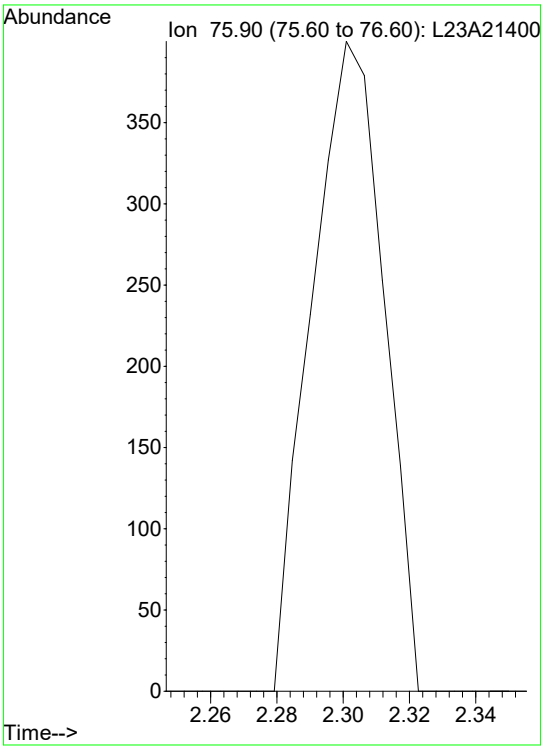
RT : 2.30
Area : 611
Amount: 0.00766065

Manual Int. Results

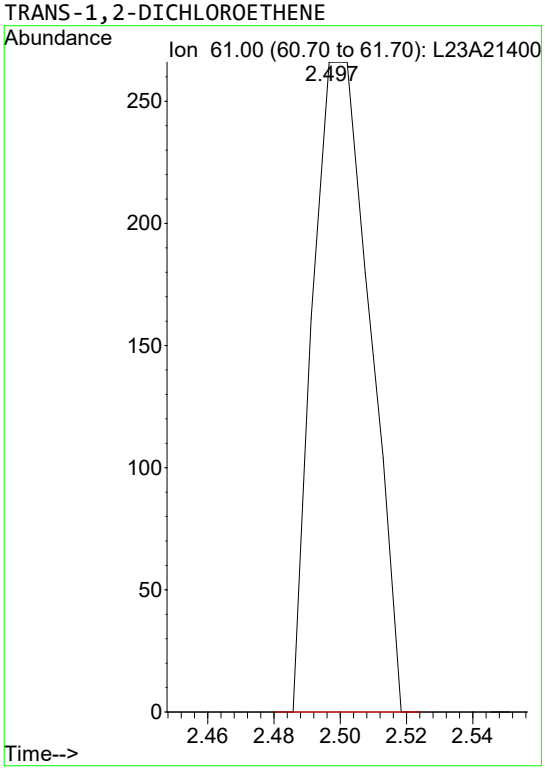
Thu Aug 03 10:53:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
TRANS-1,2-DICHLOROETHENE



Original Int. Results

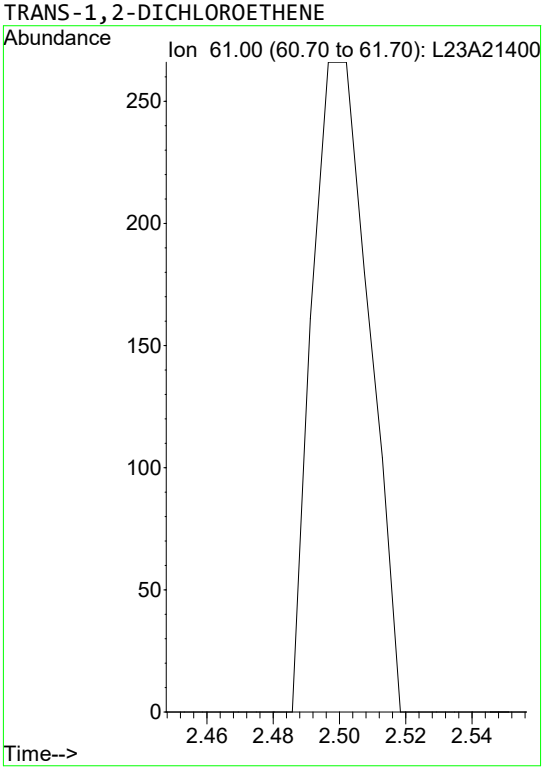
RT : 2.50
Area : 319
Amount: 0.00738506

Manual Int. Results

Thu Aug 03 10:53:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

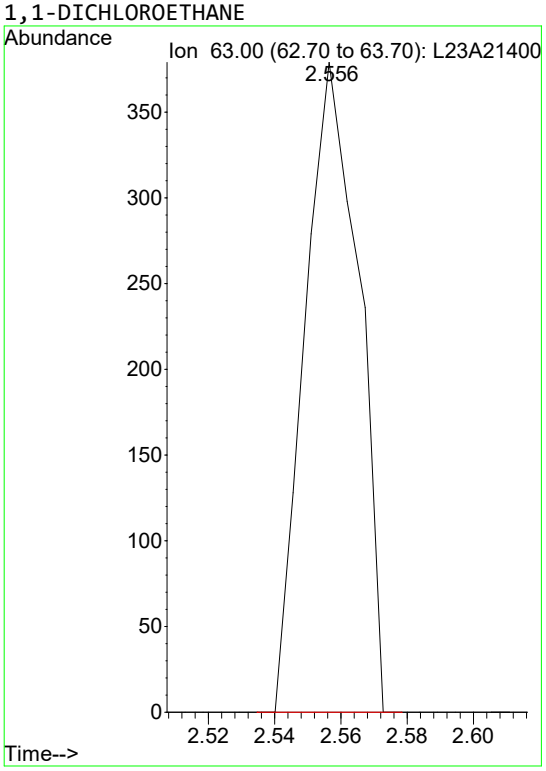
Manual Integration
TRANS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

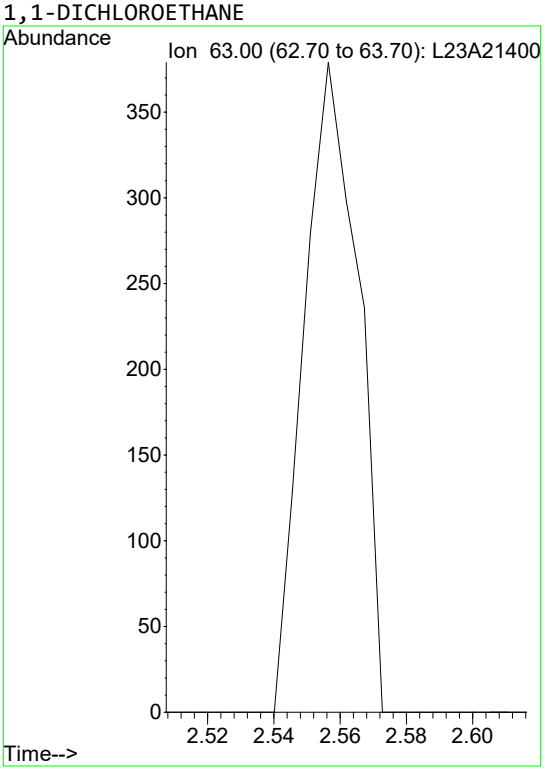
RT : 2.56
Area : 430
Amount: 0.00814319

Manual Int. Results

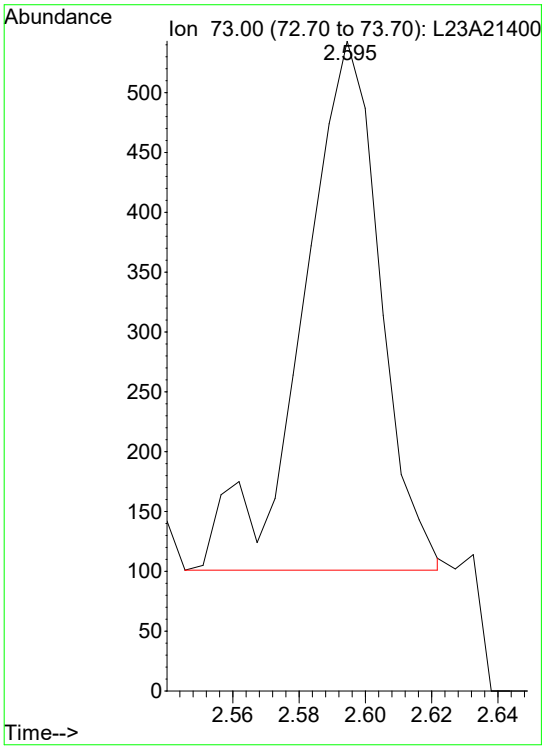
Thu Aug 03 10:52:59 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
MTBE



Original Int. Results

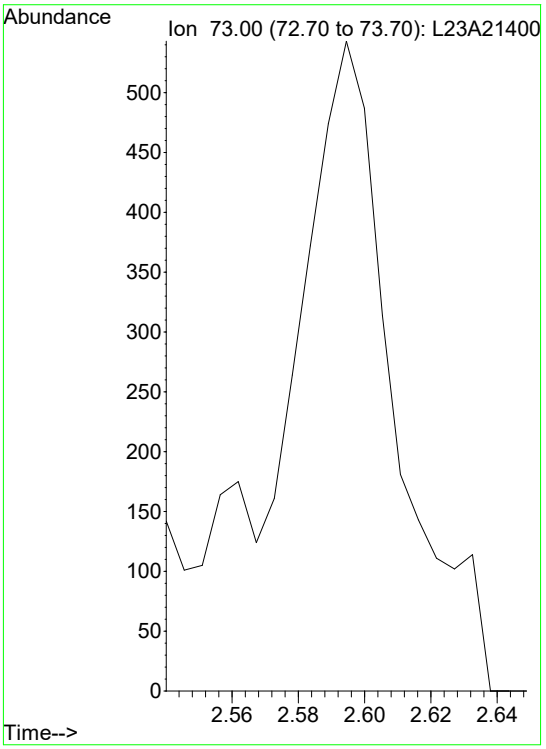
RT : 2.59
Area : 719
Amount: 0.00834113

Manual Int. Results

Thu Aug 03 10:52:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

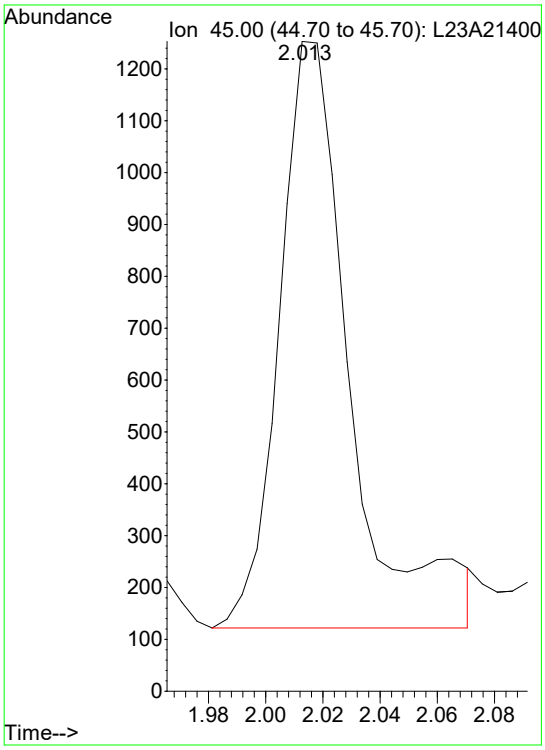
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
IPA



Original Int. Results

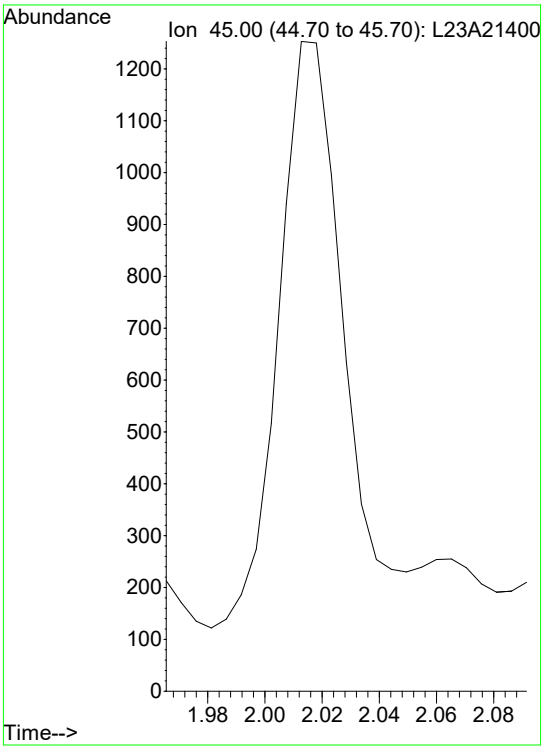
RT : 2.01
Area : 1946
Amount: 0.040731

Manual Int. Results

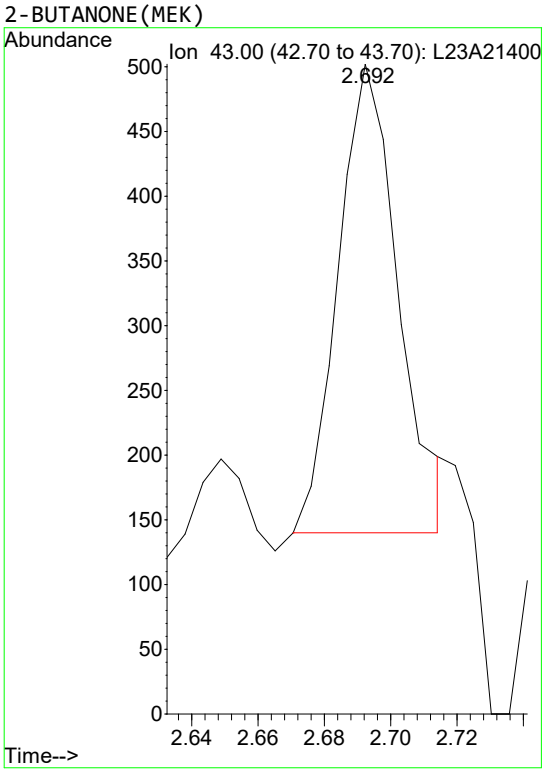
Thu Aug 03 10:52:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IPA



Original Integration
2-BUTANONE(MEK)



Original Int. Results

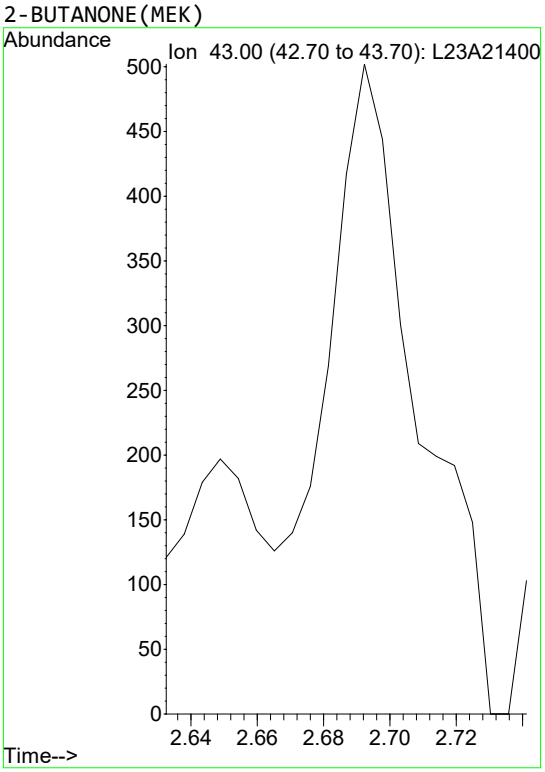
RT : 2.69
Area : 455
Amount: 0.00880635

Manual Int. Results

Thu Aug 03 10:52:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

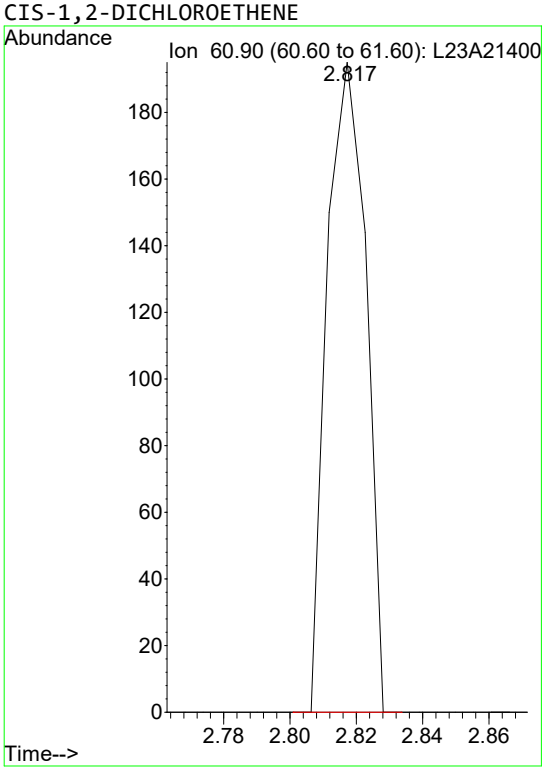
Manual Integration
2-BUTANONE(MEK)



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

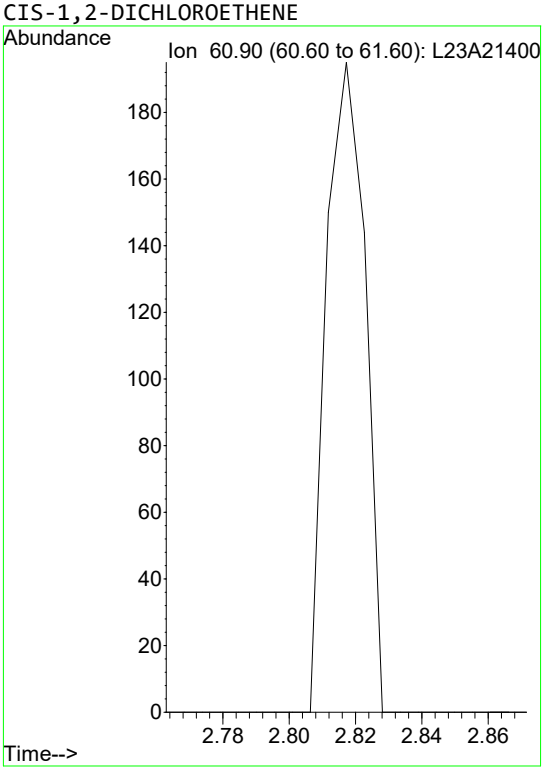
RT : 2.82
Area : 159
Amount: 0.00434659

Manual Int. Results

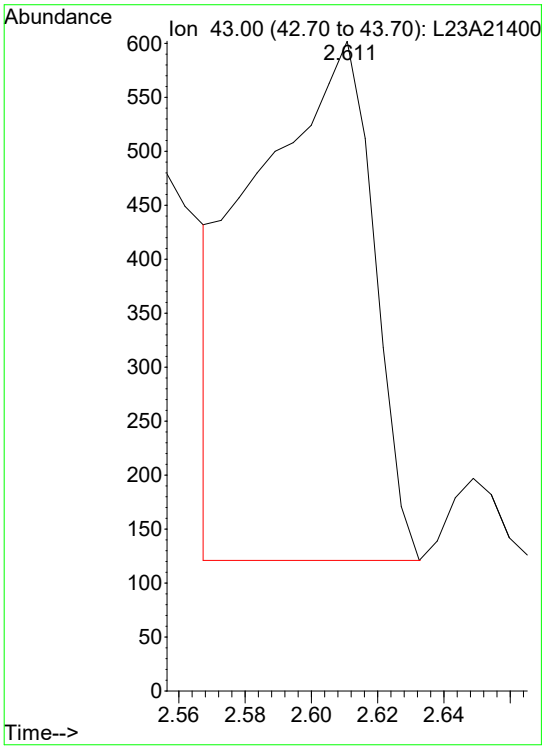
Thu Aug 03 10:52:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,2-DICHLOROETHENE



Original Integration
VINYL ACETATE



Original Int. Results

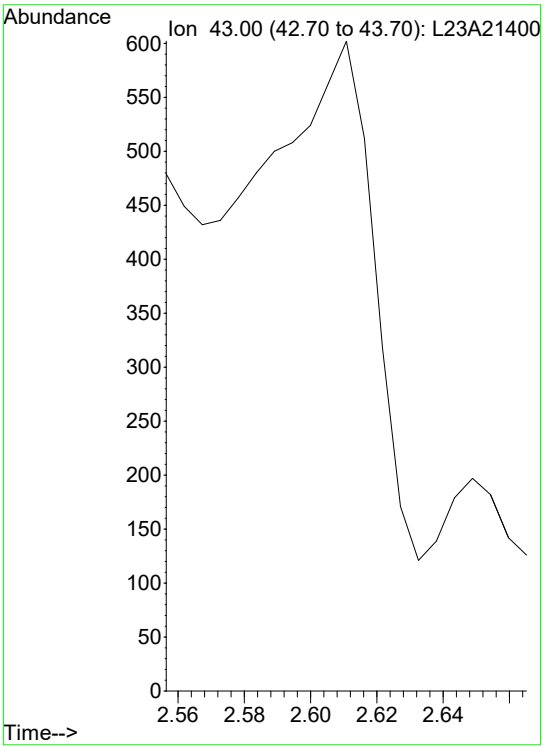
RT : 2.61
Area : 1220
Amount: 0.0208321

Manual Int. Results

Thu Aug 03 10:52:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

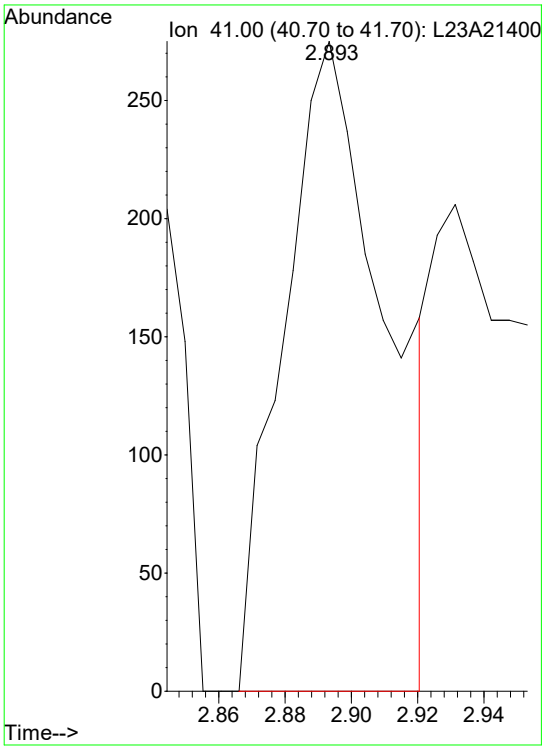
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXANE



Original Int. Results

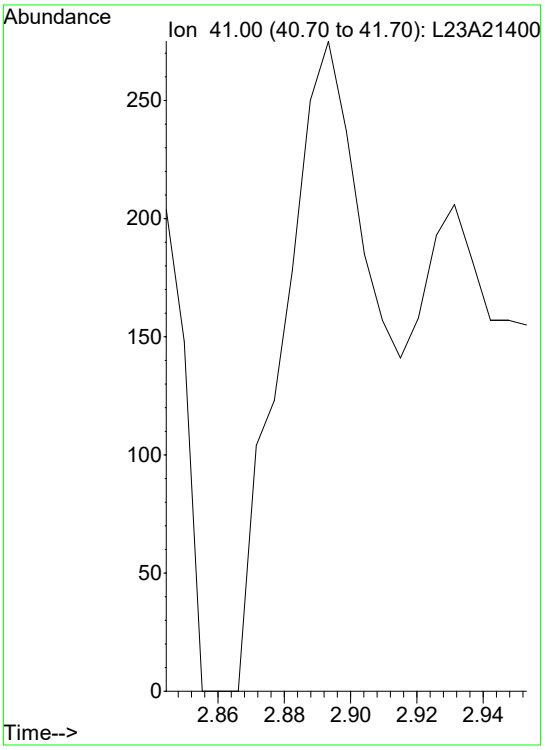
RT : 2.89
Area : 590
Amount: 0.0200538

Manual Int. Results

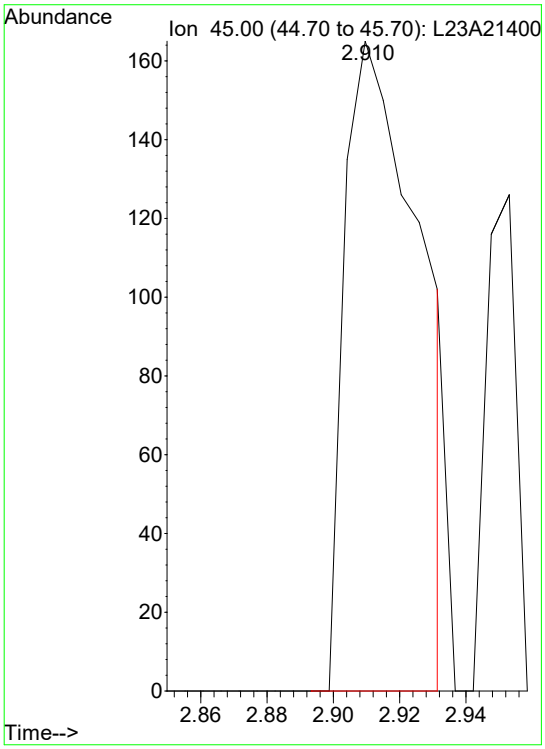
Thu Aug 03 10:52:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
ETHYL ACETATE



Original Int. Results

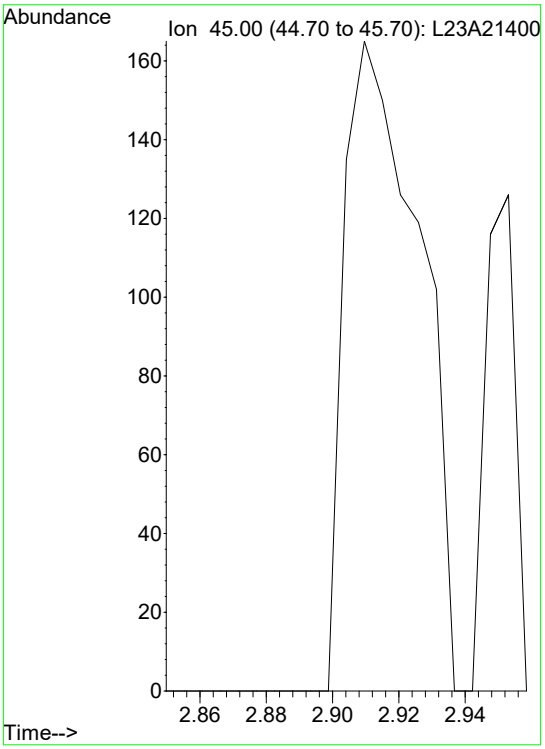
RT : 2.91
Area : 260
Amount: 0.0264745

Manual Int. Results

Thu Aug 03 10:52:48 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

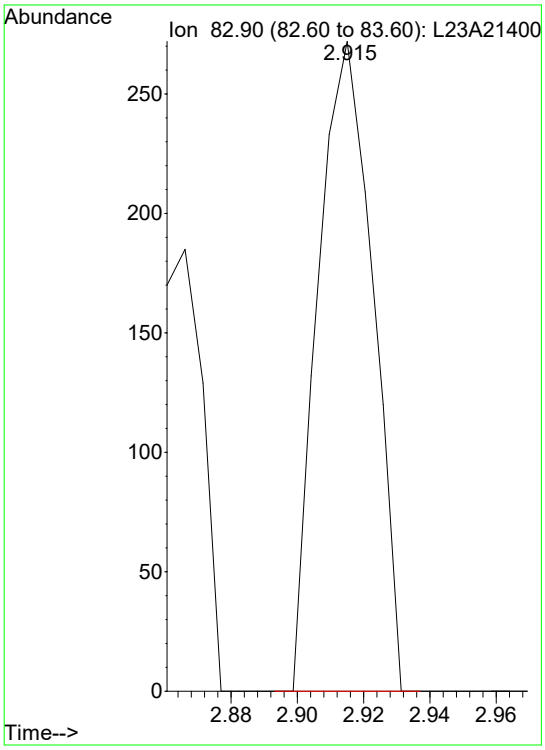
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROFORM



Original Int. Results

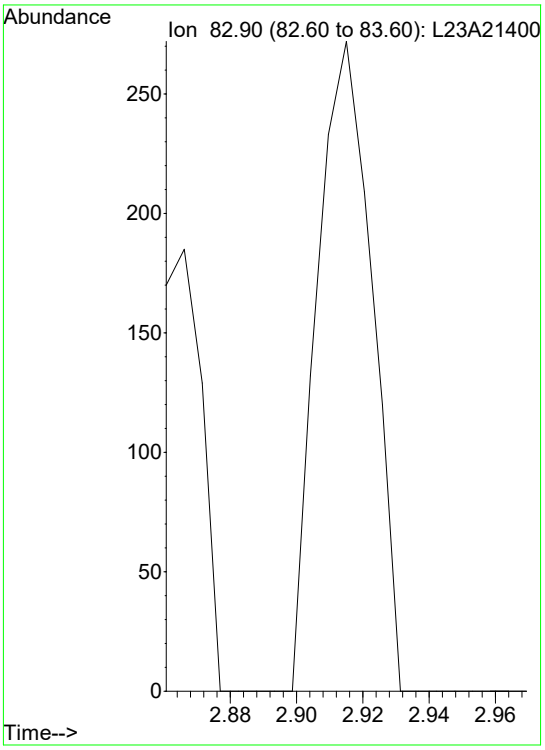
RT : 2.92
Area : 315
Amount: 0.00546814

Manual Int. Results

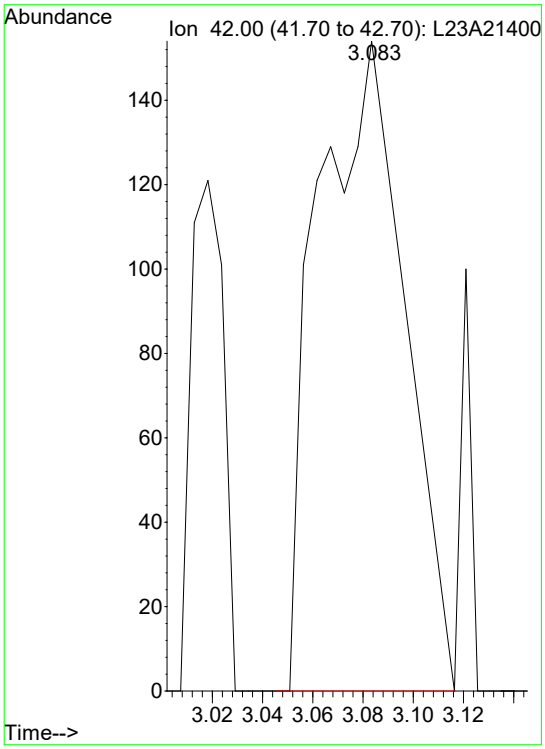
Thu Aug 03 10:52:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROFORM



Original Integration
TETRAHYDROFURAN



Original Int. Results

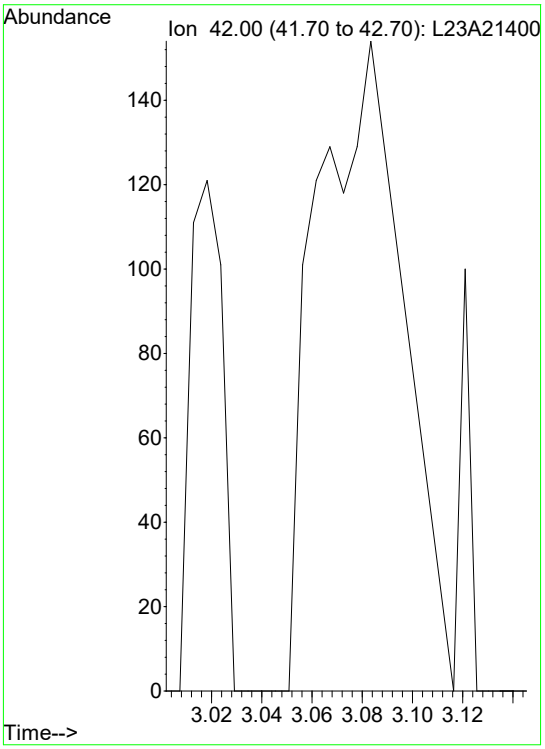
RT : 3.08
Area : 400
Amount: 0.0100713

Manual Int. Results

Thu Aug 03 10:52:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

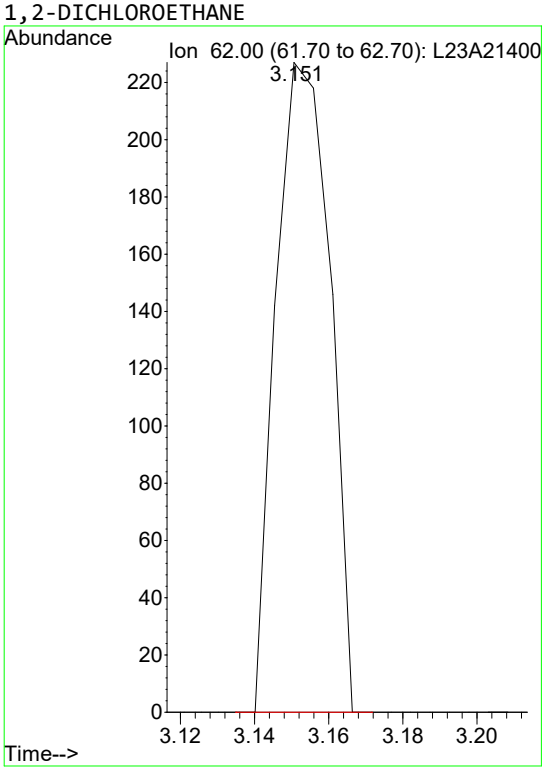
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROETHANE



Original Int. Results

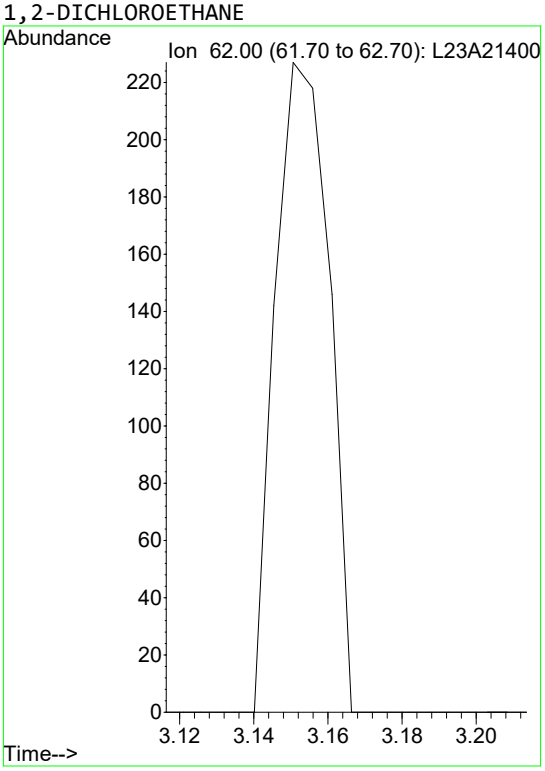
RT : 3.15
Area : 231
Amount: 0.00613031

Manual Int. Results

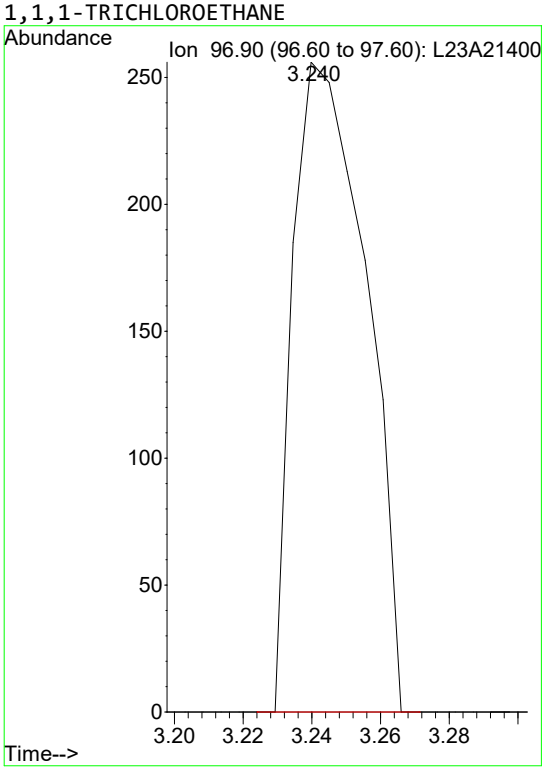
Thu Aug 03 10:52:43 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROETHANE



Original Integration
1,1,1-TRICHLOROETHANE



Original Int. Results

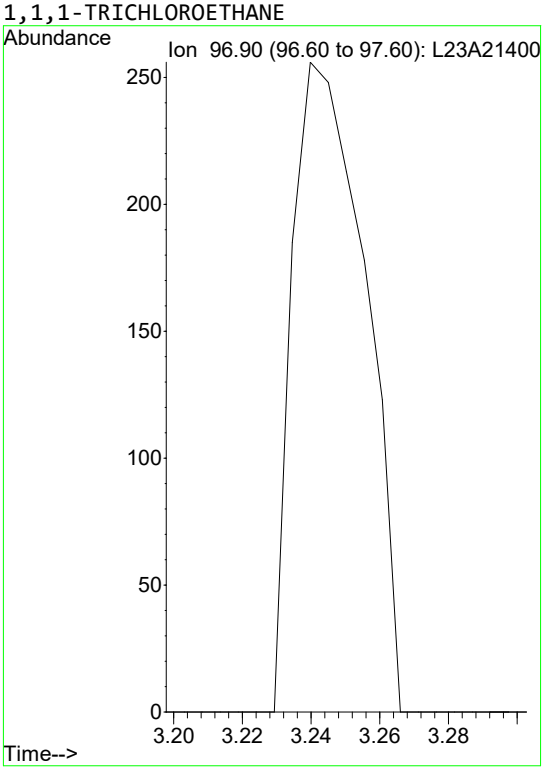
RT : 3.24
Area : 379
Amount: 0.0069097

Manual Int. Results

Thu Aug 03 10:52:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

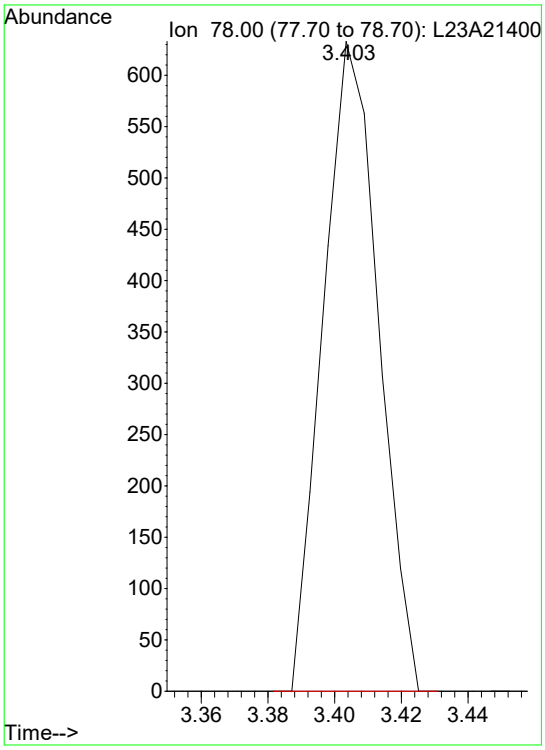
Manual Integration
1,1,1-TRICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BENZENE



Original Int. Results

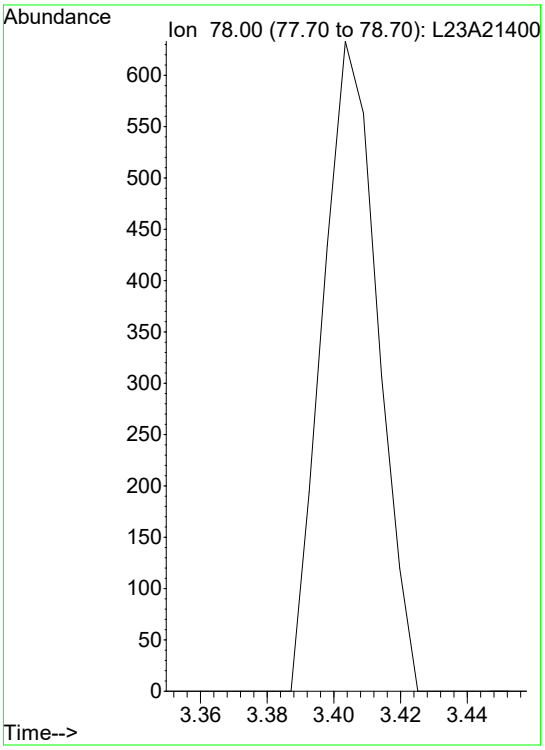
RT : 3.40
Area : 734
Amount: 0.00895855

Manual Int. Results

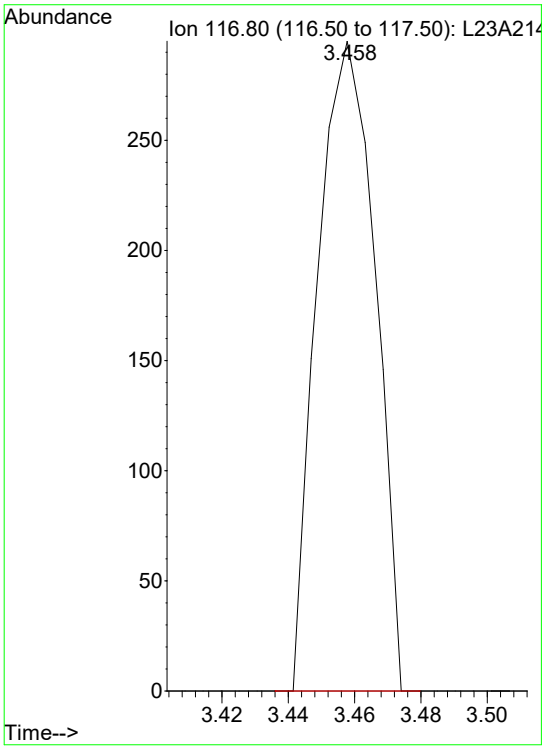
Thu Aug 03 10:52:40 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZENE



Original Integration
CARBON TETRACHLORIDE



Original Int. Results

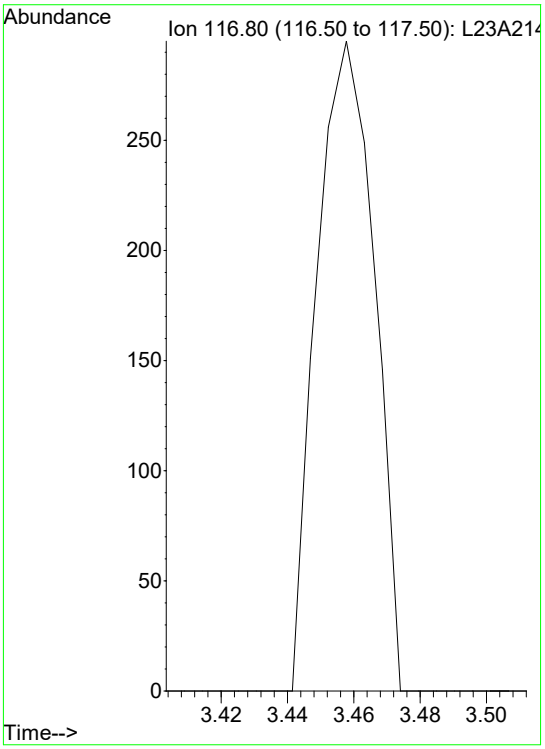
RT : 3.46
Area : 358
Amount: 0.00644951

Manual Int. Results

Thu Aug 03 10:52:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

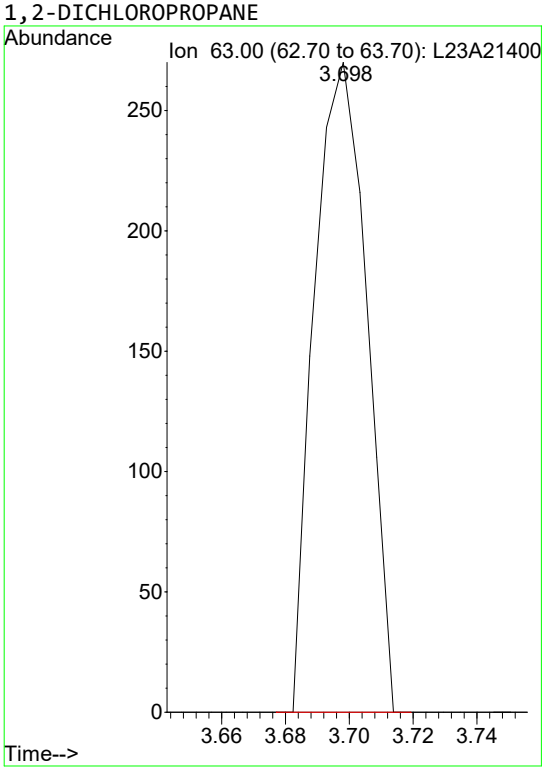
Manual Integration
CARBON TETRACHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

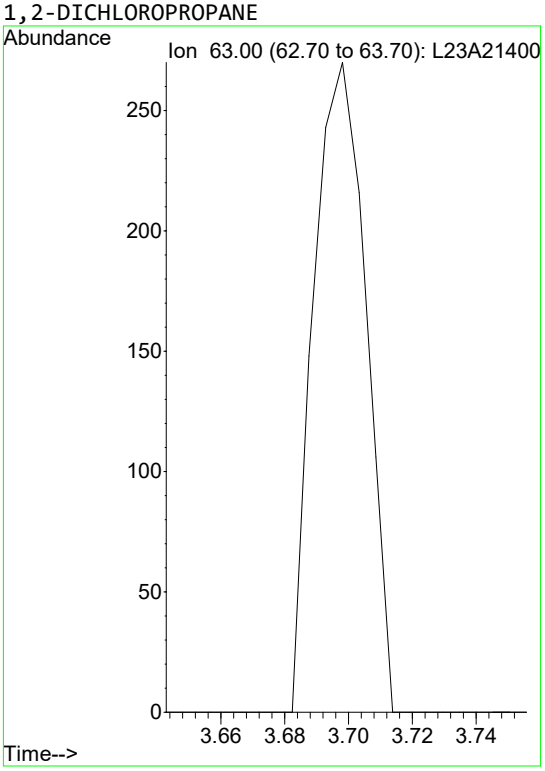
RT : 3.70
Area : 309
Amount: 0.0108043

Manual Int. Results

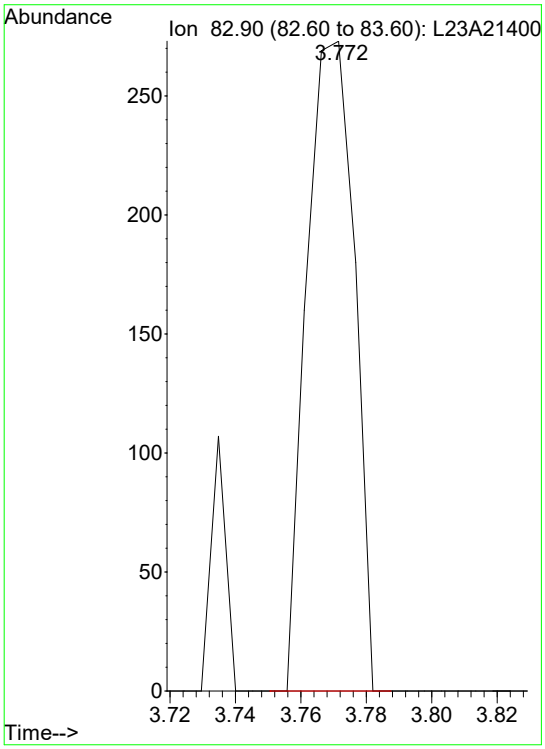
Thu Aug 03 10:52:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

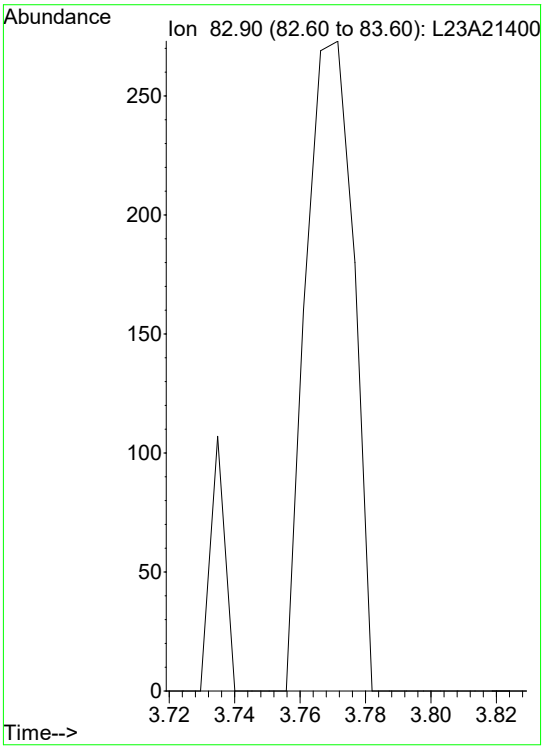
RT : 3.77
Area : 278
Amount: 0.00477594

Manual Int. Results

Thu Aug 03 10:52:35 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

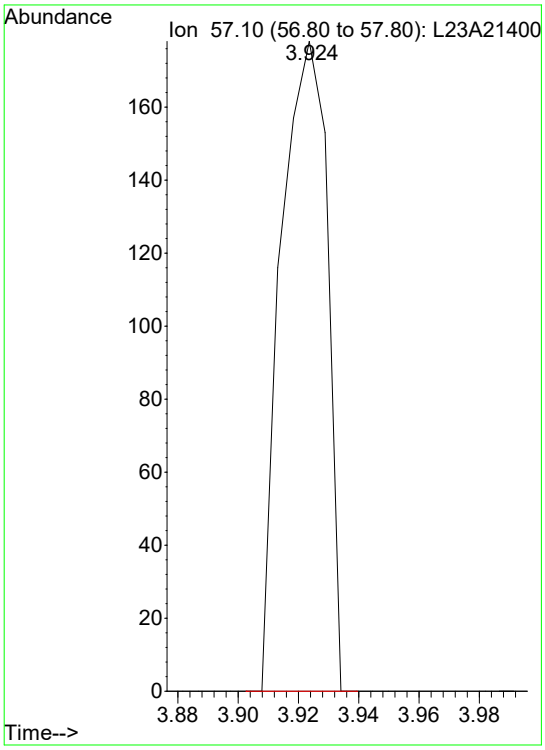
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEPTANE



Original Int. Results

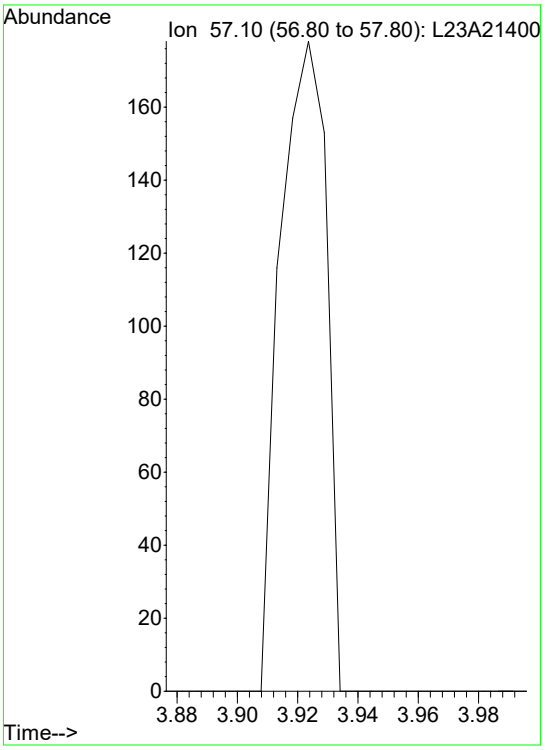
RT : 3.92
Area : 190
Amount: 0.00525777

Manual Int. Results

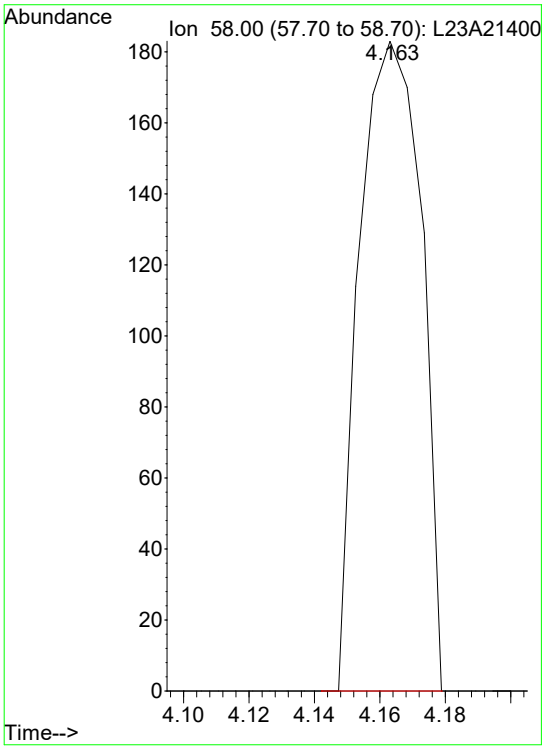
Thu Aug 03 10:52:32 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEPTANE



Original Integration
MIBK



Original Int. Results

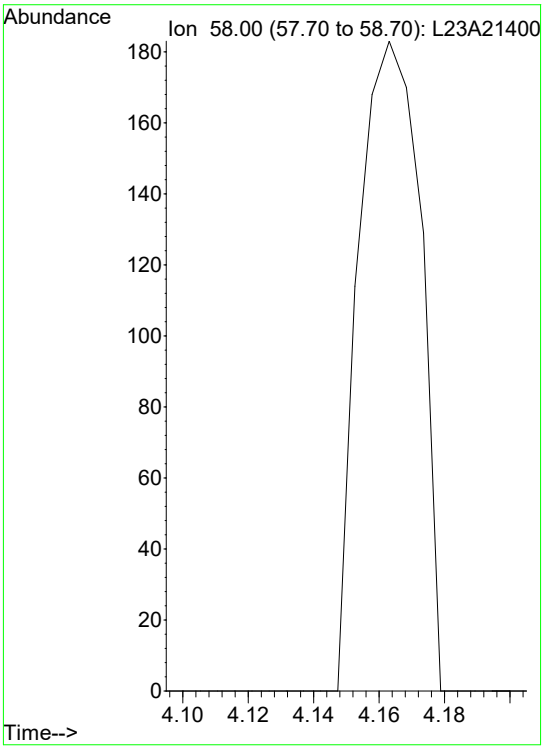
RT : 4.16
Area : 240
Amount: 0.0084

Manual Int. Results

Thu Aug 03 10:52:31 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

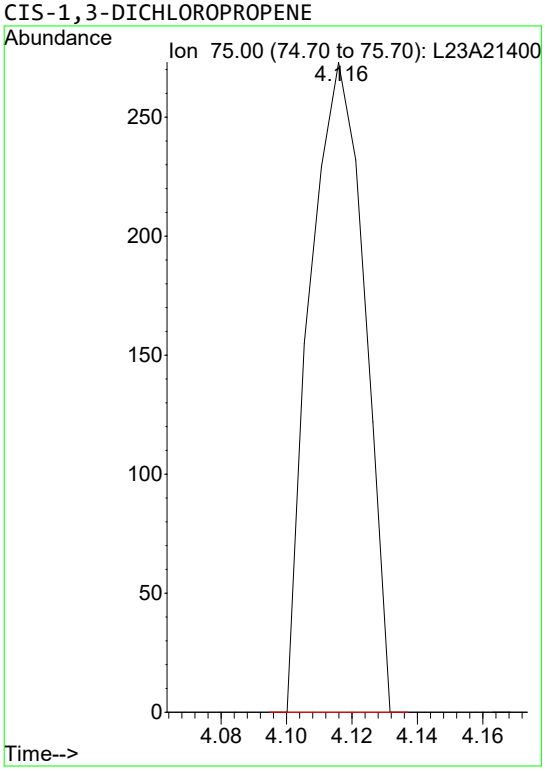
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,3-DICHLOROPROPENE



Original Int. Results

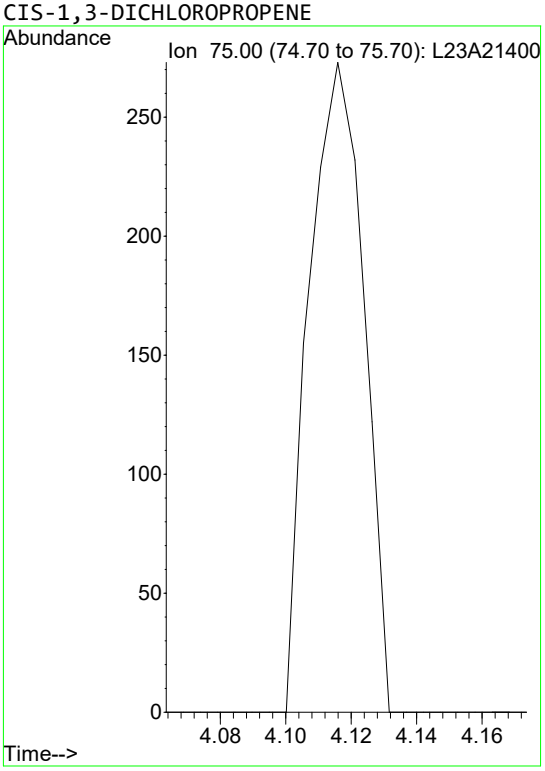
RT : 4.12
Area : 318
Amount: 0.00738657

Manual Int. Results

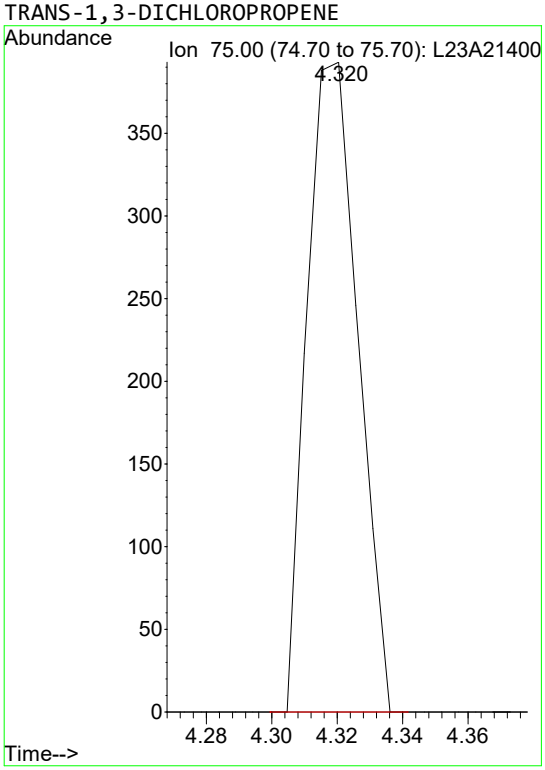
Thu Aug 03 10:52:29 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,3-DICHLOROPROPENE



Original Integration
TRANS-1,3-DICHLOROPROPENE



Original Int. Results

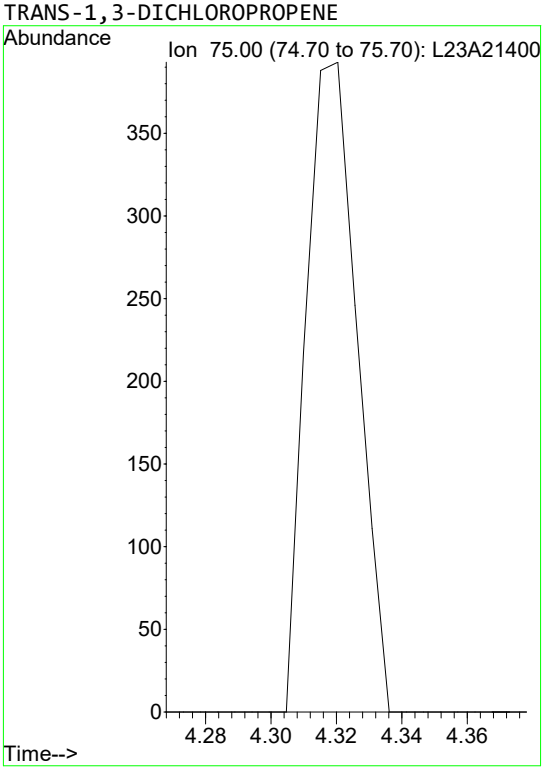
RT : 4.32
Area : 426
Amount: 0.0112325

Manual Int. Results

Thu Aug 03 10:52:28 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

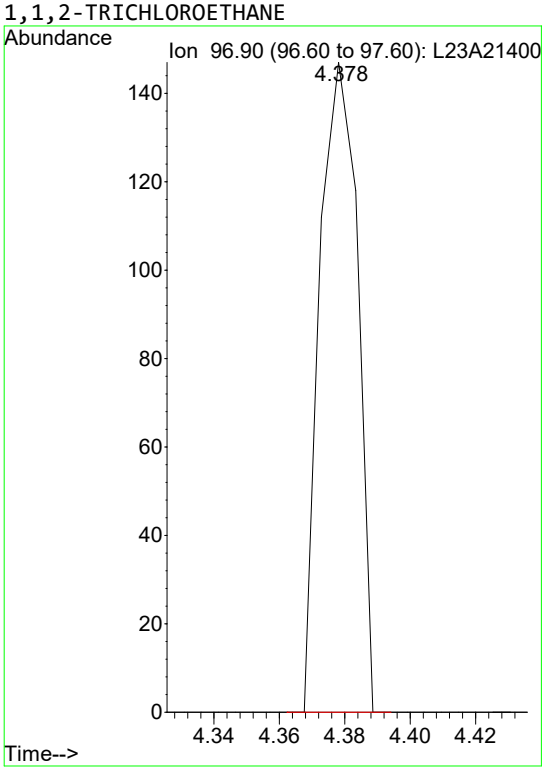
Manual Integration
TRANS-1,3-DICHLOROPROPENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

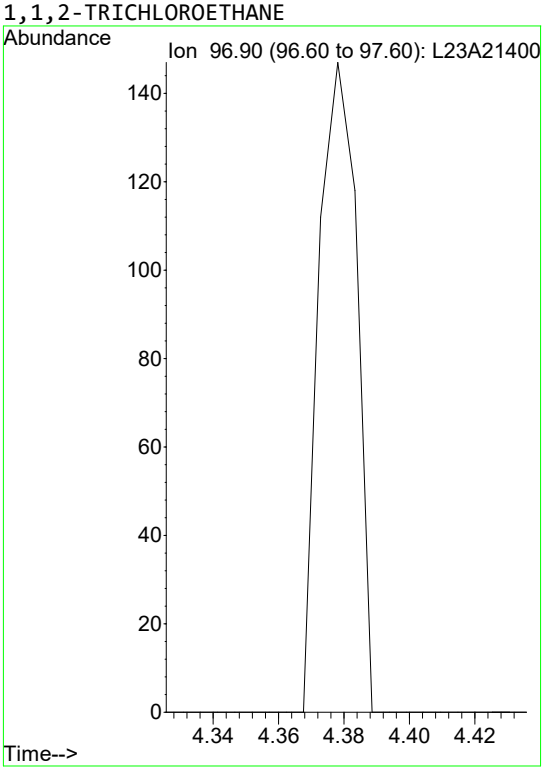
RT : 4.38
Area : 119
Amount: 0.00384238

Manual Int. Results

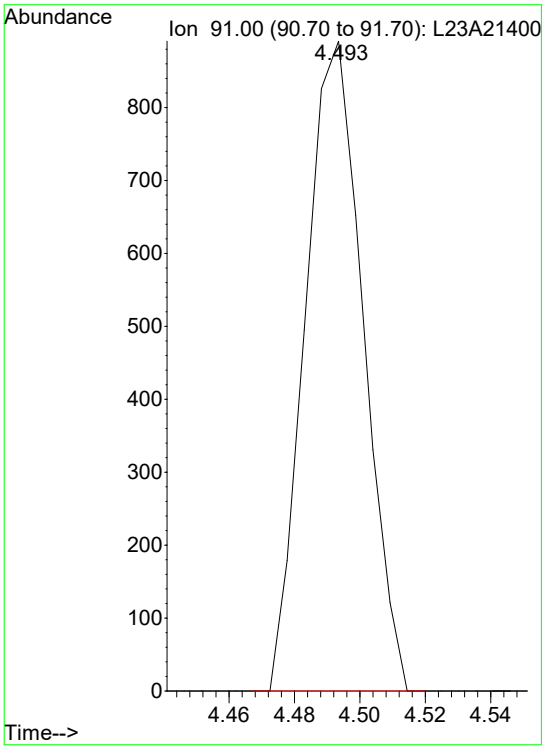
Thu Aug 03 10:52:26 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TOLUENE



Original Int. Results

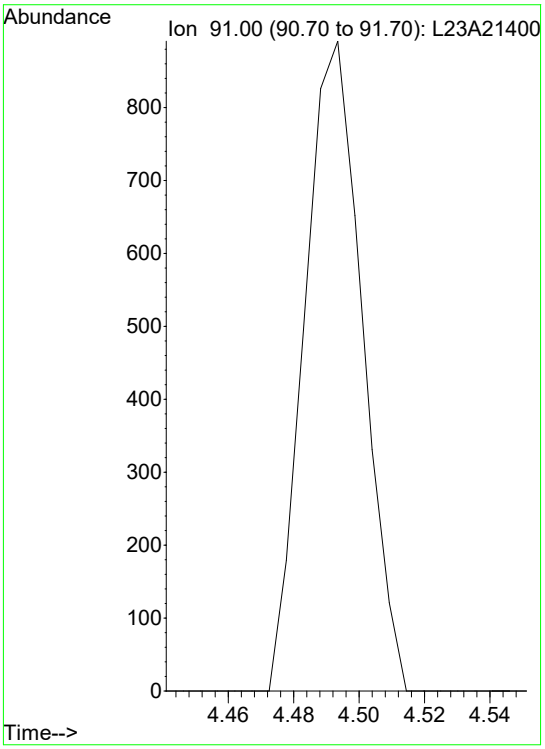
RT : 4.49
Area : 1100
Amount: 0.01119

Manual Int. Results

Thu Aug 03 10:52:25 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

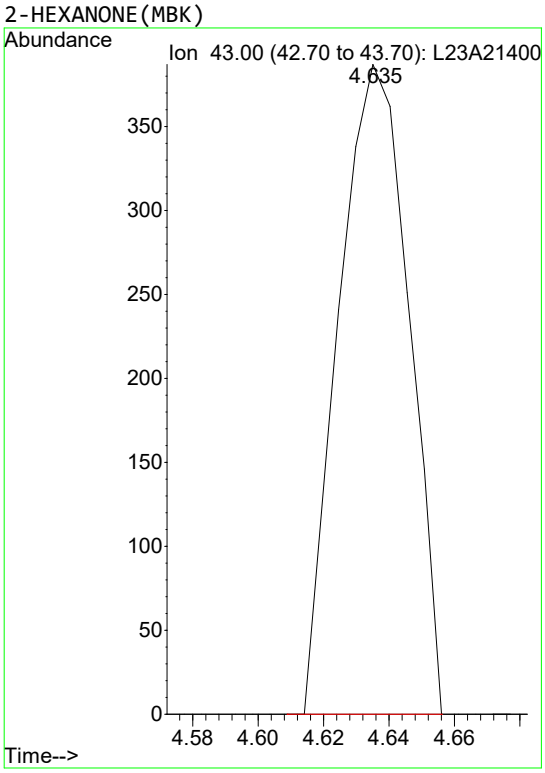
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

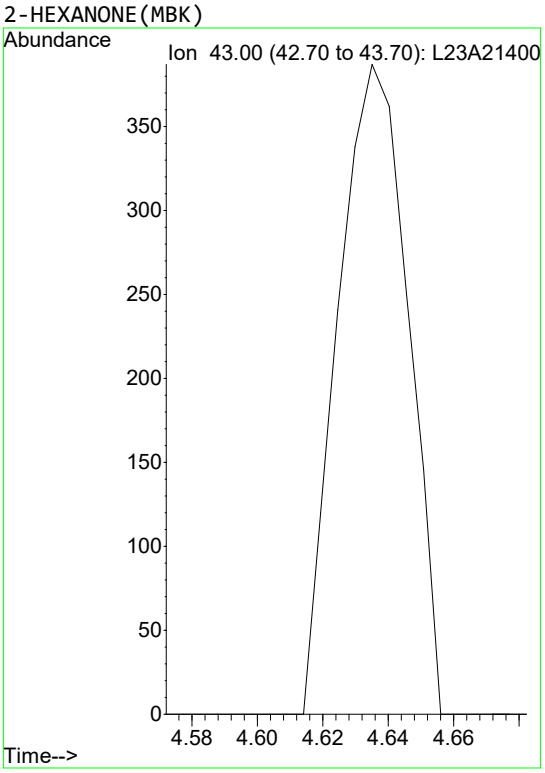
RT : 4.64
Area : 581
Amount: 0.0086949

Manual Int. Results

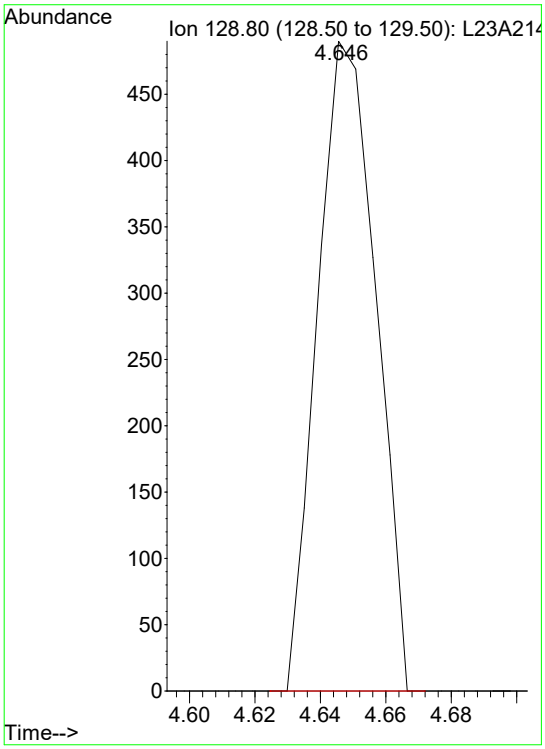
Thu Aug 03 10:52:23 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

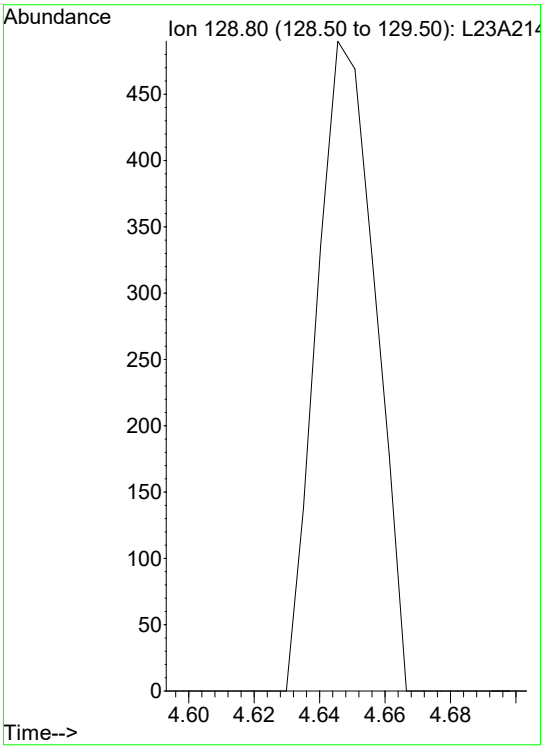
RT : 4.65
Area : 610
Amount: 0.0107962

Manual Int. Results

Thu Aug 03 10:52:21 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

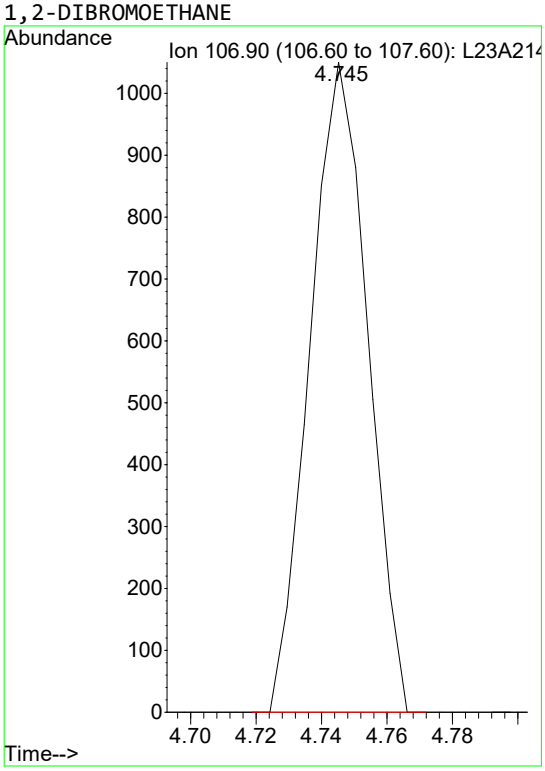
Manual Integration
DIBROMOCHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DIBROMOETHANE



Original Int. Results

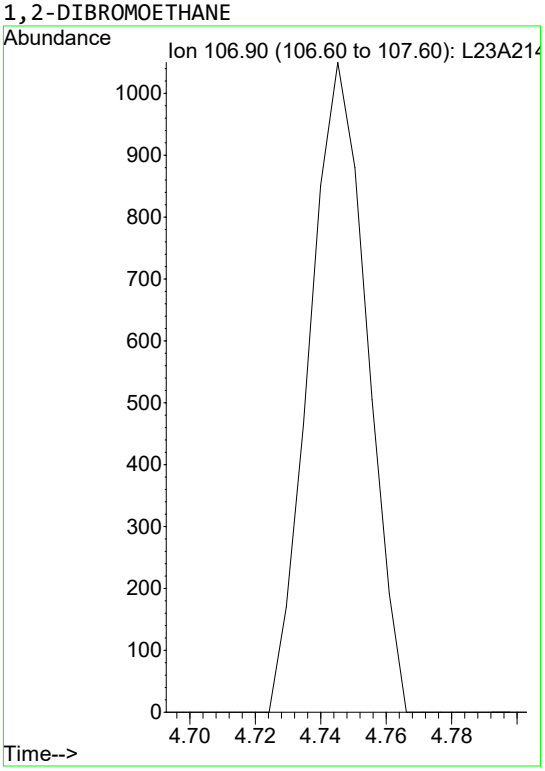
RT : 4.75
Area : 1294
Amount: 0.024249

Manual Int. Results

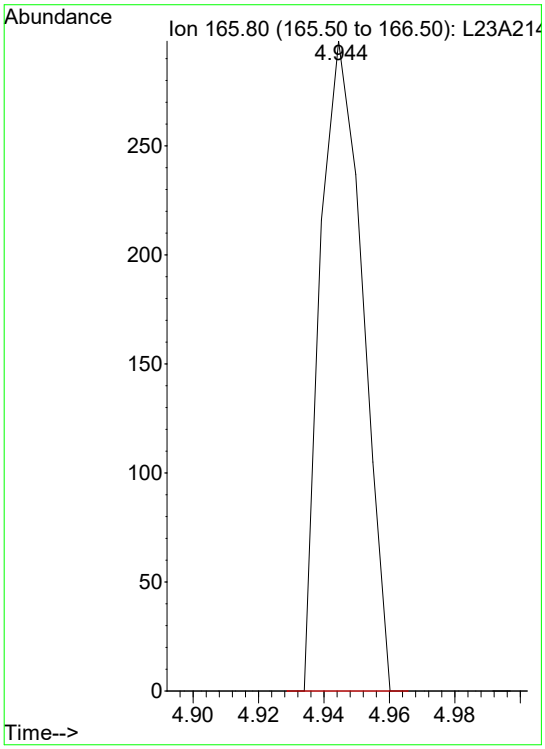
Thu Aug 03 10:52:20 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DIBROMOETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

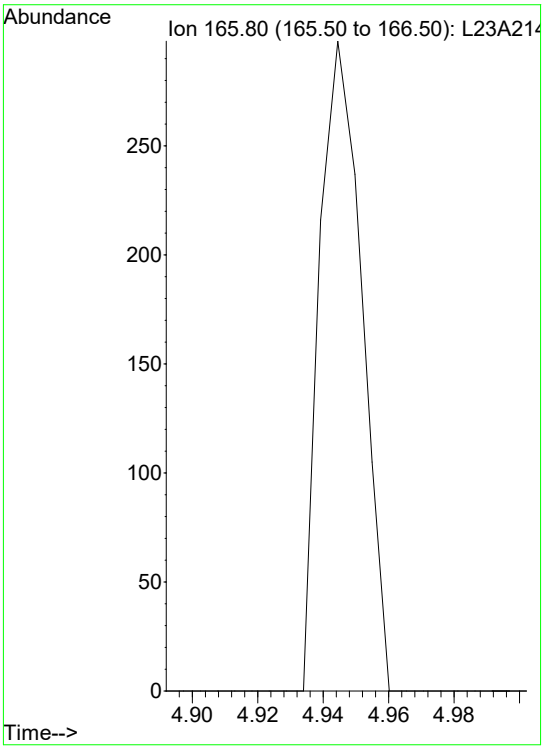
RT : 4.94
Area : 269
Amount: 0.00637155

Manual Int. Results

Thu Aug 03 10:52:18 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

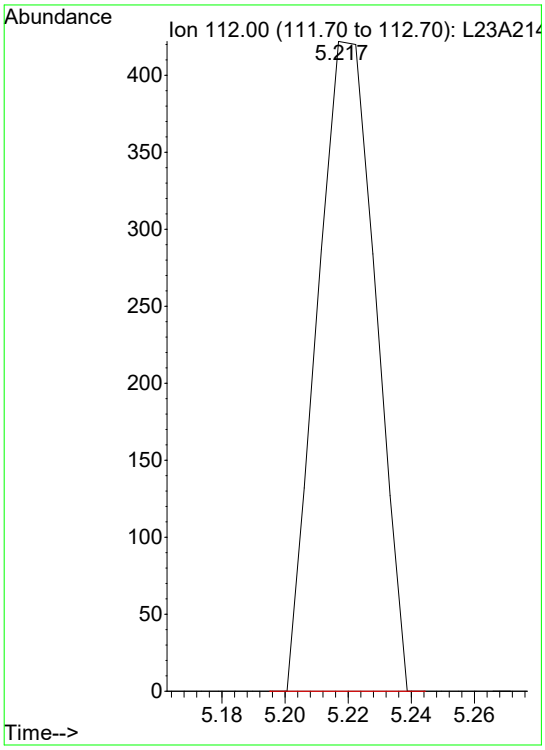
Manual Integration
TETRACHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROBENZENE



Original Int. Results

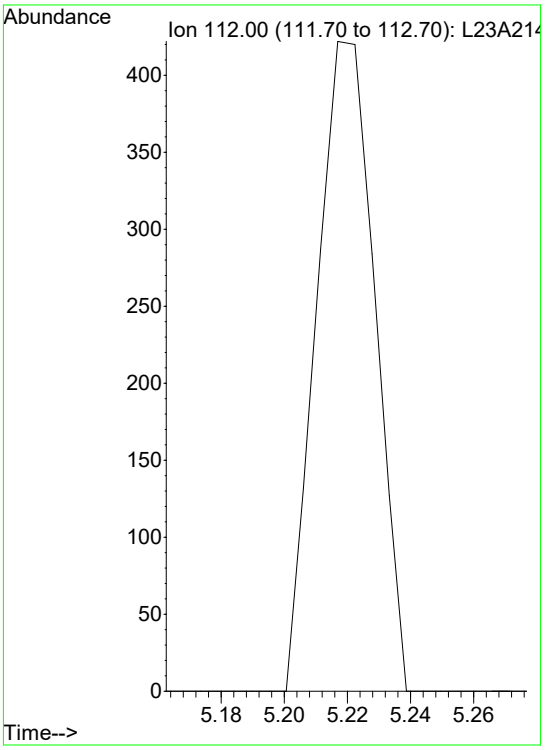
RT : 5.22
Area : 546
Amount: 0.00754388

Manual Int. Results

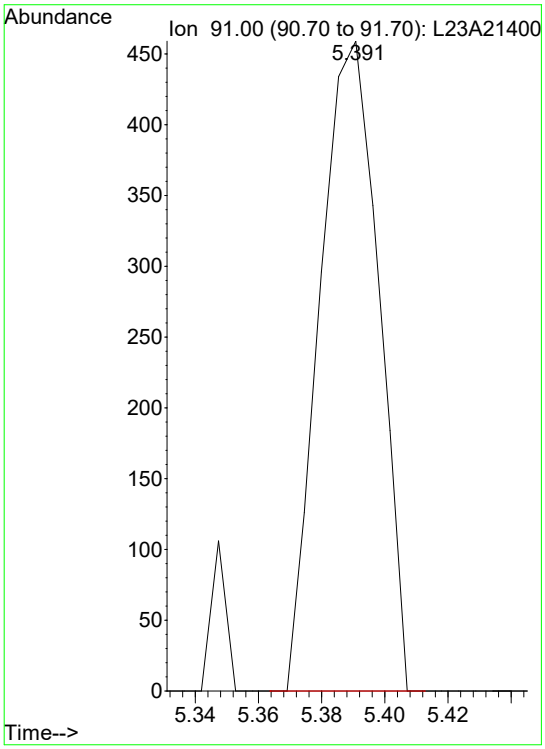
Thu Aug 03 10:52:17 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
ETHYLBENZENE



Original Int. Results

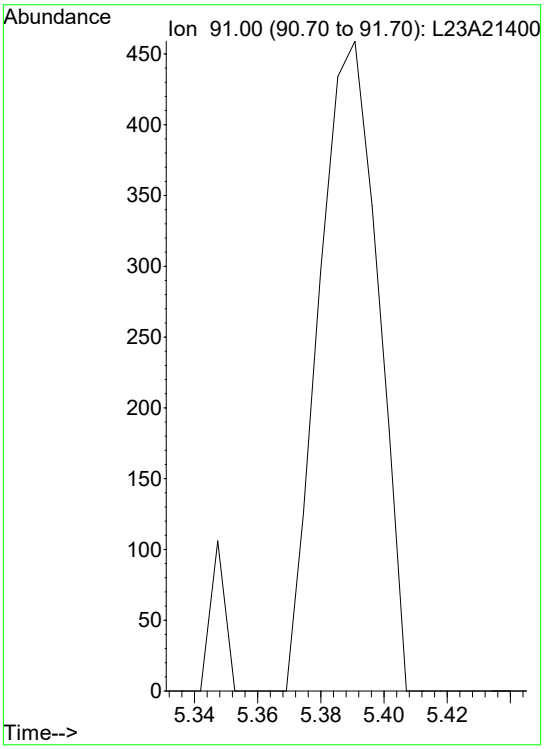
RT : 5.39
Area : 600
Amount: 0.00499572

Manual Int. Results

Thu Aug 03 10:52:15 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

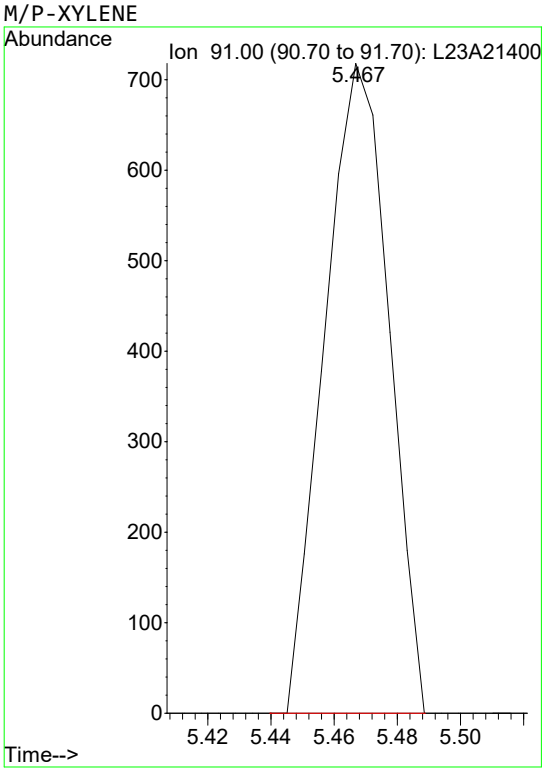
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
M/P-XYLENE



Original Int. Results

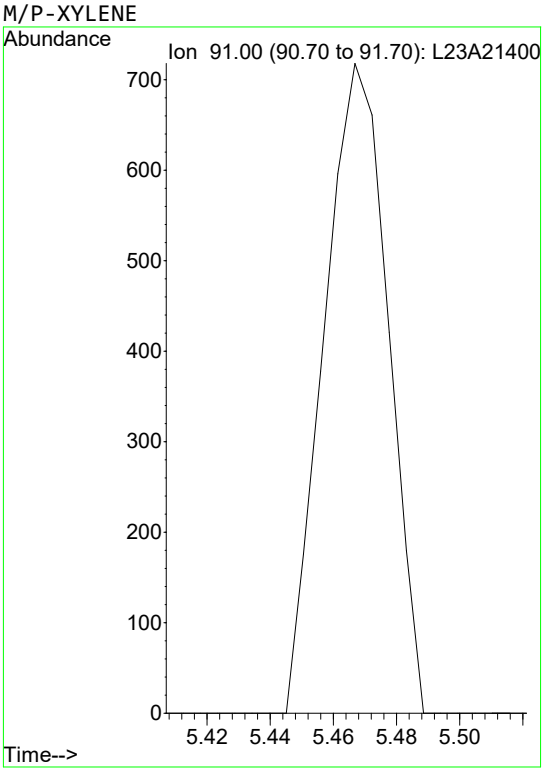
RT : 5.47
Area : 1020
Amount: 0.0104689

Manual Int. Results

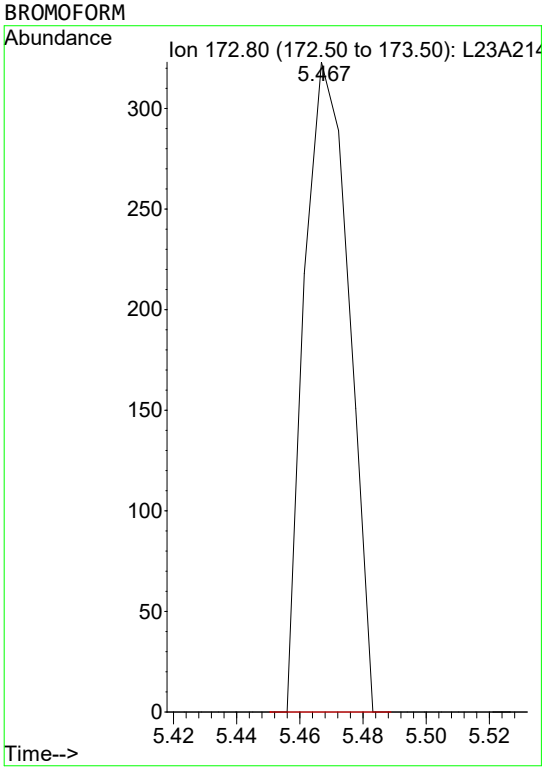
Thu Aug 03 10:52:13 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

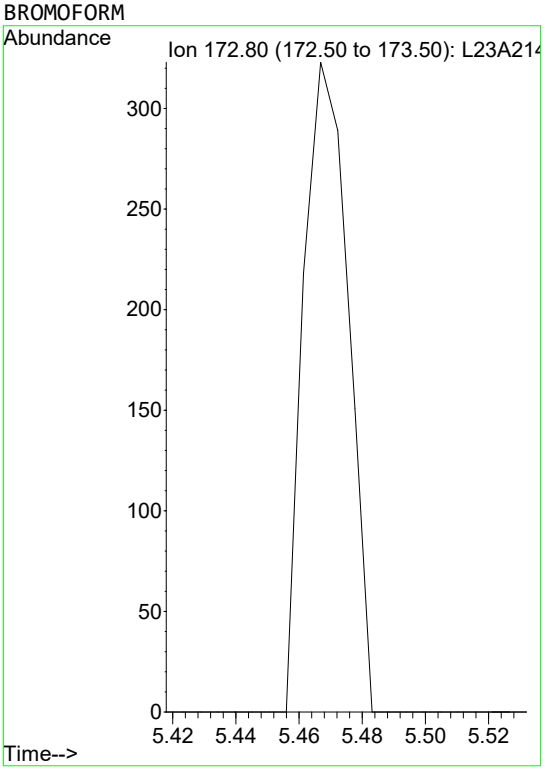
RT : 5.47
Area : 320
Amount: 0.00702805

Manual Int. Results

Thu Aug 03 10:52:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

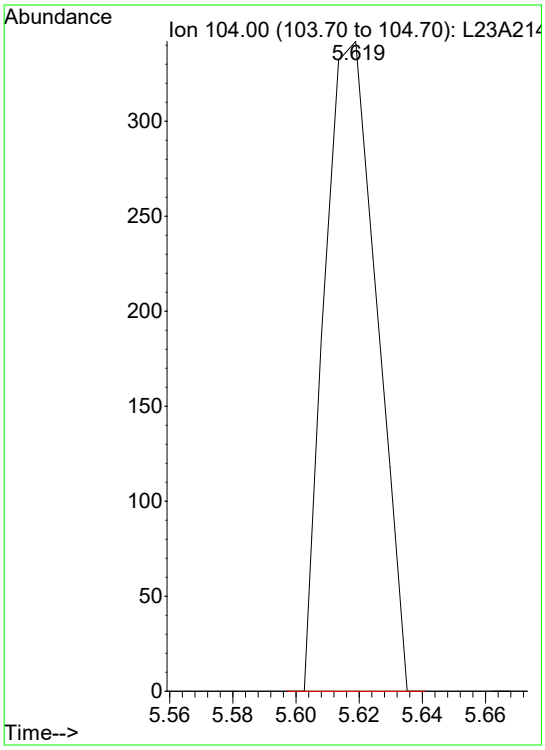
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
STYRENE



Original Int. Results

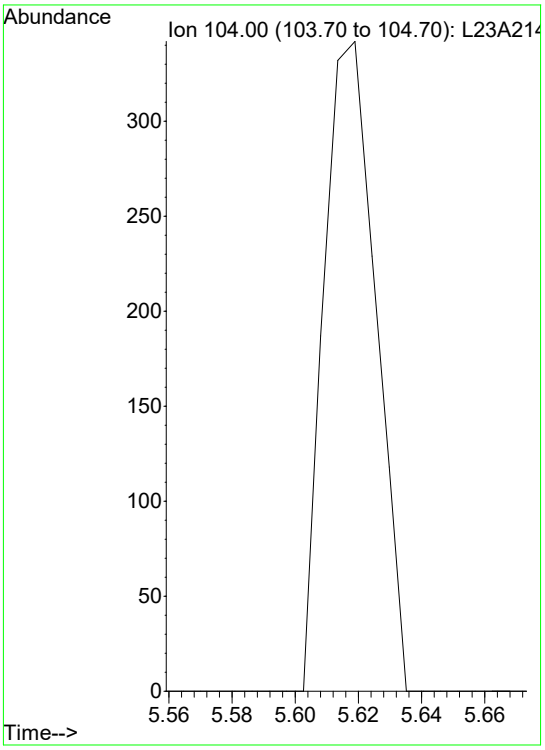
RT : 5.62
Area : 394
Amount: 0.00604489

Manual Int. Results

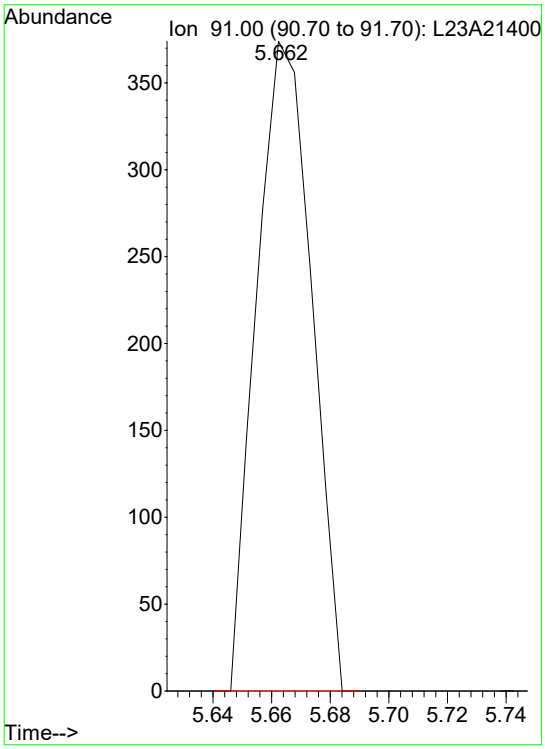
Thu Aug 03 10:52:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

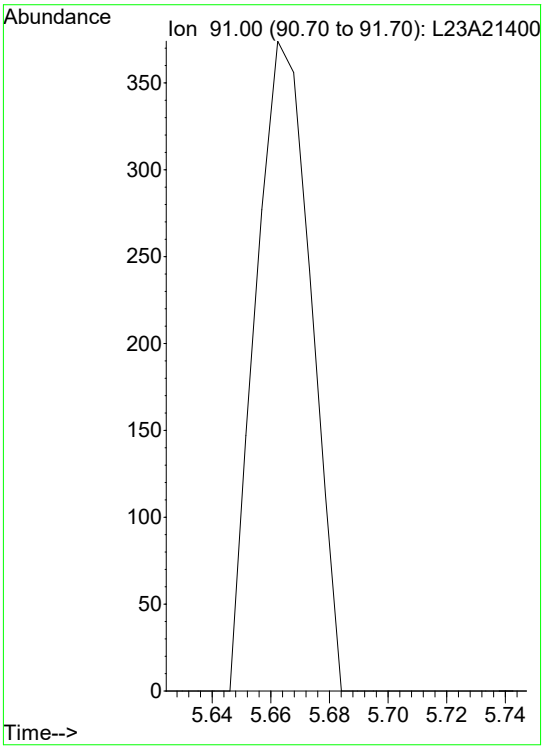
RT : 5.66
Area : 492
Amount: 0.0052685

Manual Int. Results

Thu Aug 03 10:52:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

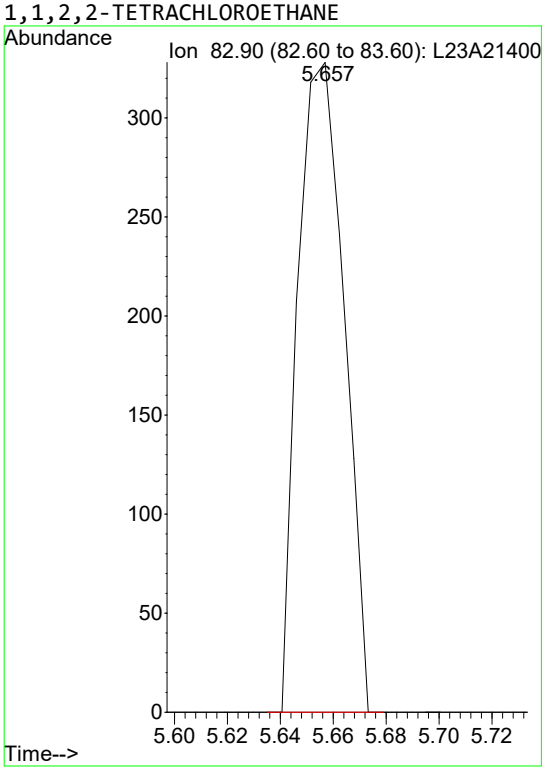
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

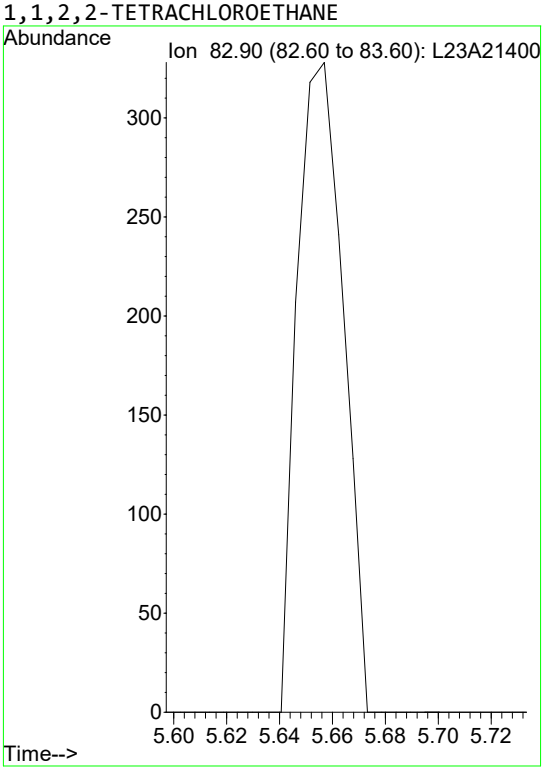
RT : 5.66
Area : 398
Amount: 0.00616547

Manual Int. Results

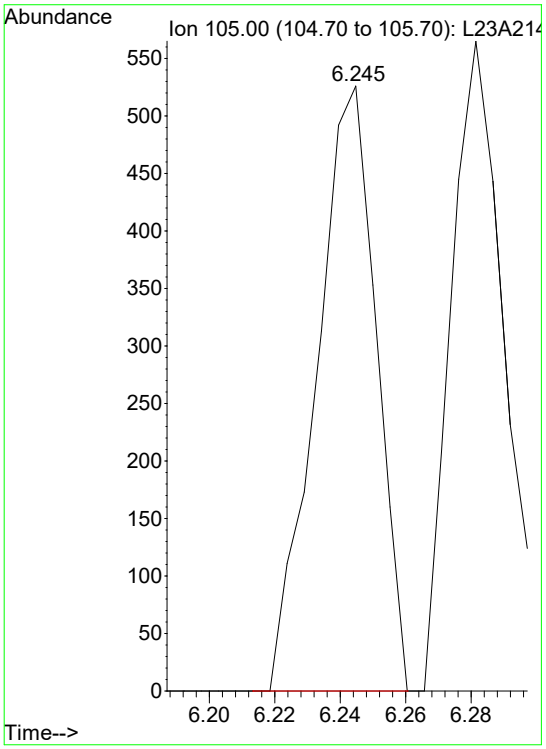
Thu Aug 03 10:52:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

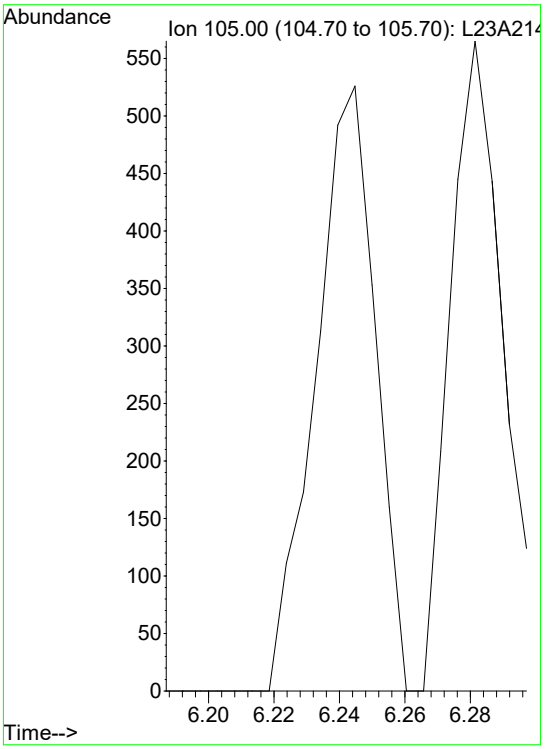
RT : 6.24
Area : 669
Amount: 0.00542989

Manual Int. Results

Thu Aug 03 10:52:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

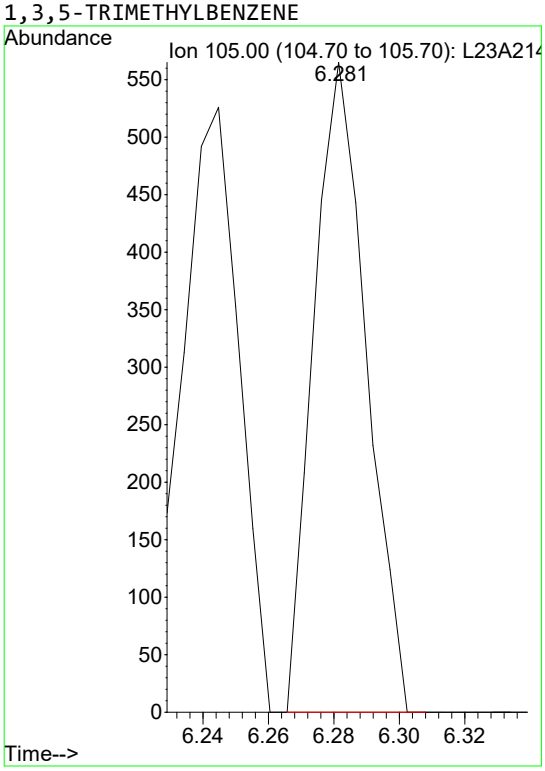
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

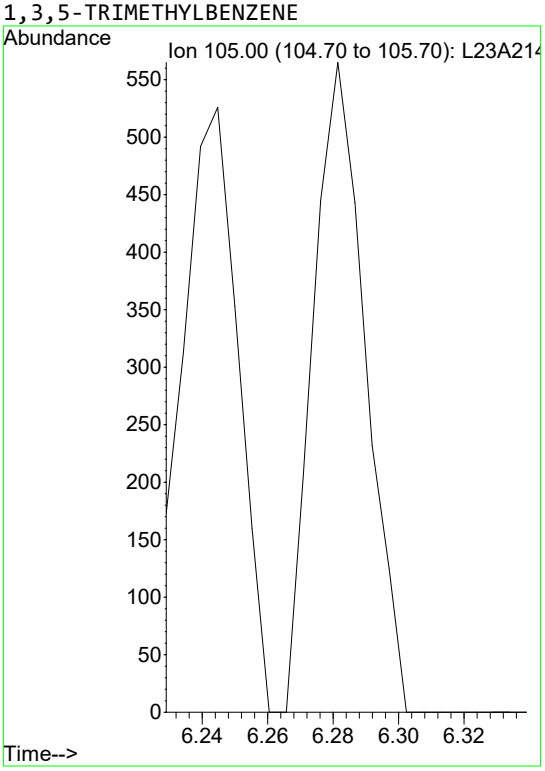
RT : 6.28
Area : 634
Amount: 0.00628605

Manual Int. Results

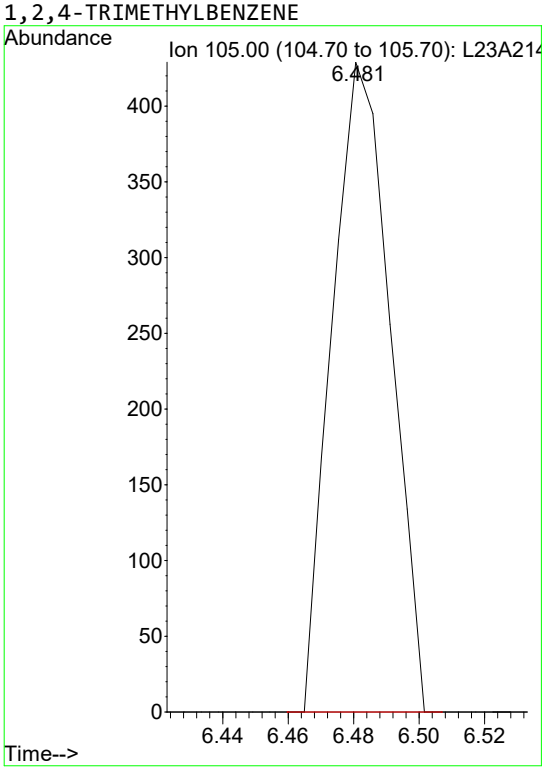
Thu Aug 03 10:52:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

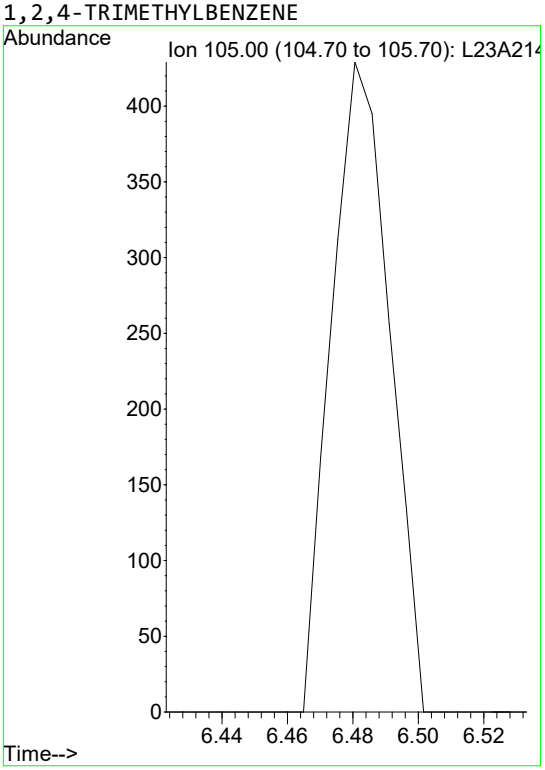
RT : 6.48
Area : 533
Amount: 0.00541468

Manual Int. Results

Thu Aug 03 10:52:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

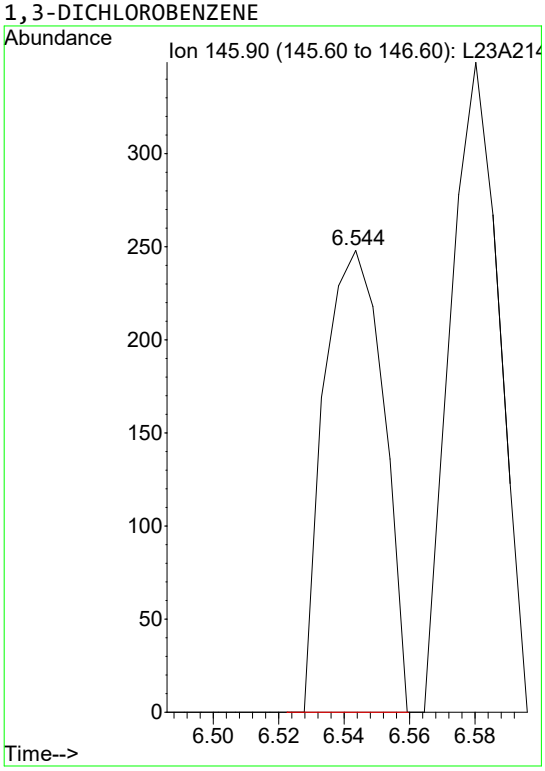
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

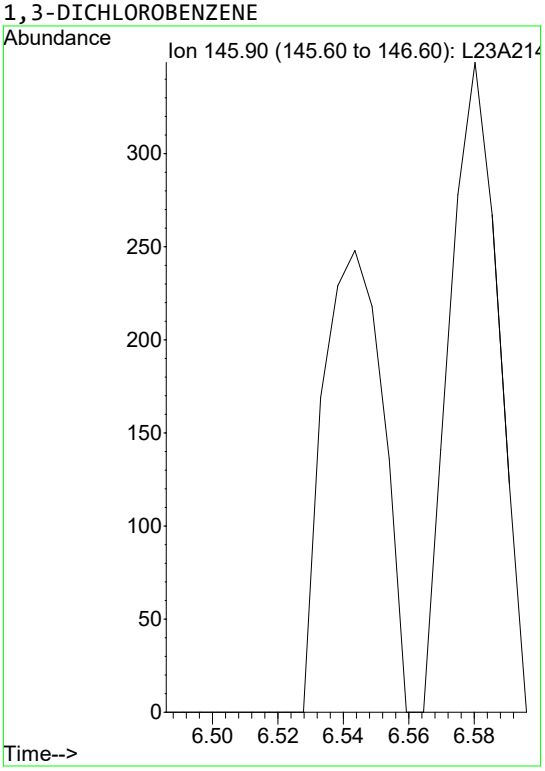
RT : 6.54
Area : 315
Amount: 0.00562419

Manual Int. Results

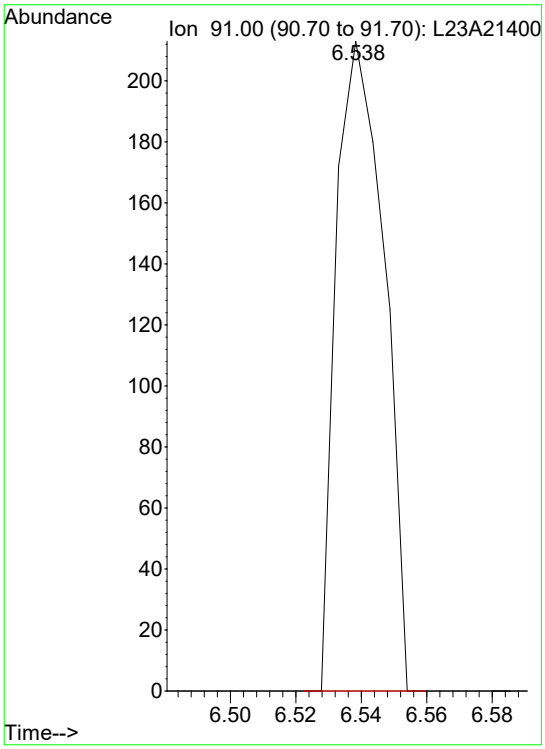
Thu Aug 03 10:52:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

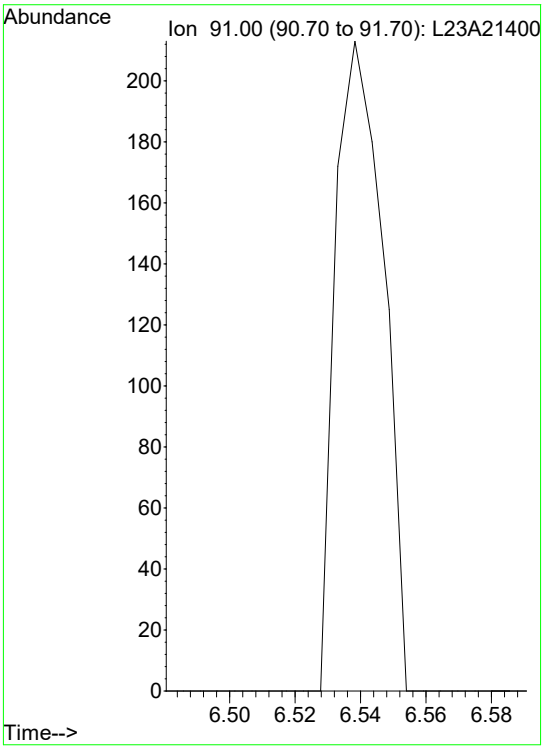
RT : 6.54
Area : 217
Amount: 0.00401672

Manual Int. Results

Thu Aug 03 10:51:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

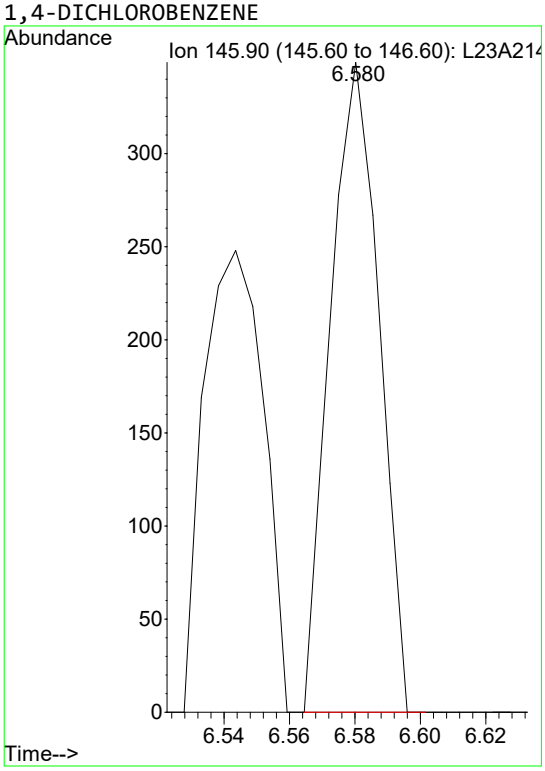
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

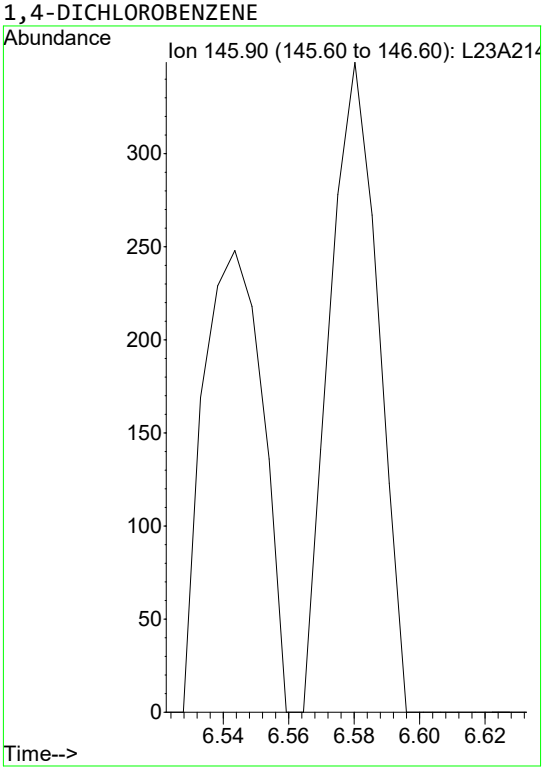
RT : 6.58
Area : 364
Amount: 0.00709249

Manual Int. Results

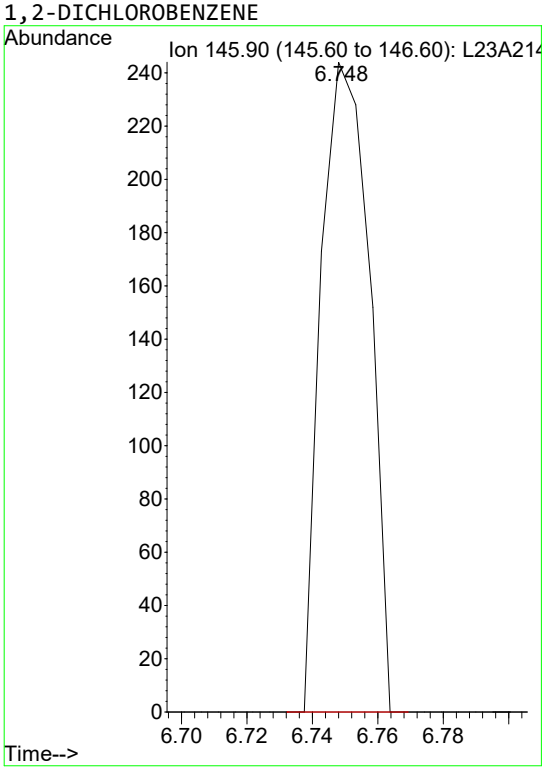
Thu Aug 03 10:51:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DICHLOROBENZENE



Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

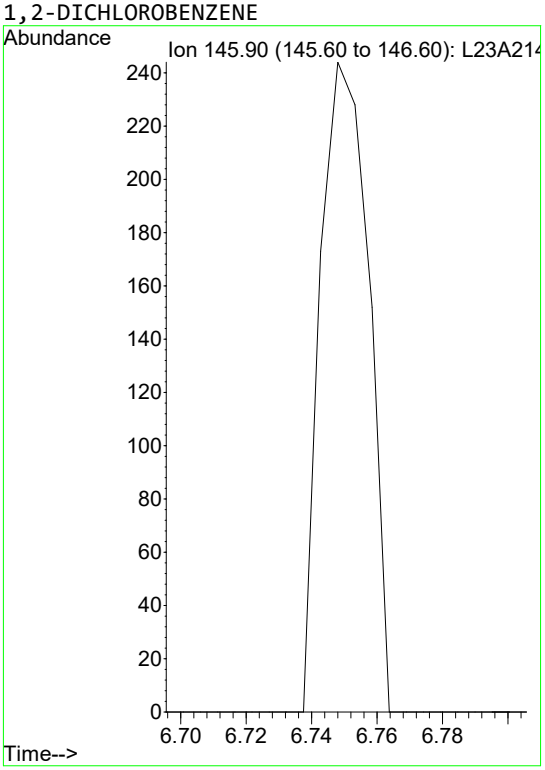
RT : 6.75
Area : 251
Amount: 0.00478258

Manual Int. Results

Thu Aug 03 10:51:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

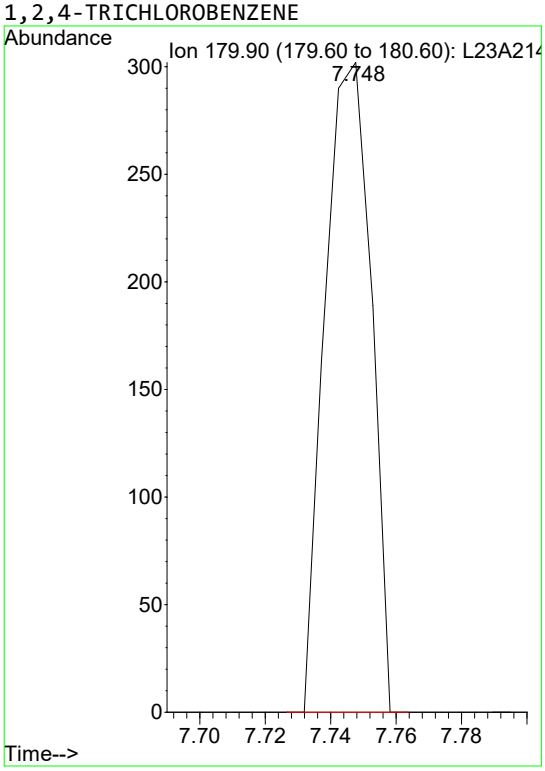
Manual Integration
1,2-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

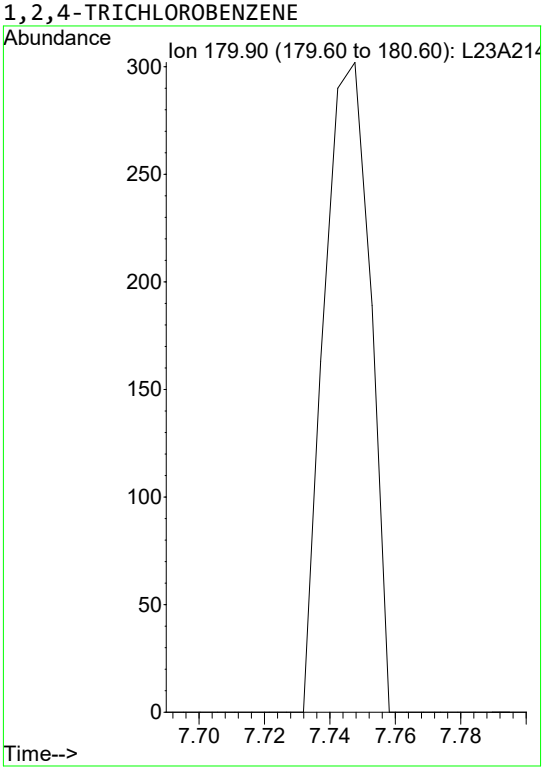
RT : 7.75
Area : 297
Amount: 0.0150022

Manual Int. Results

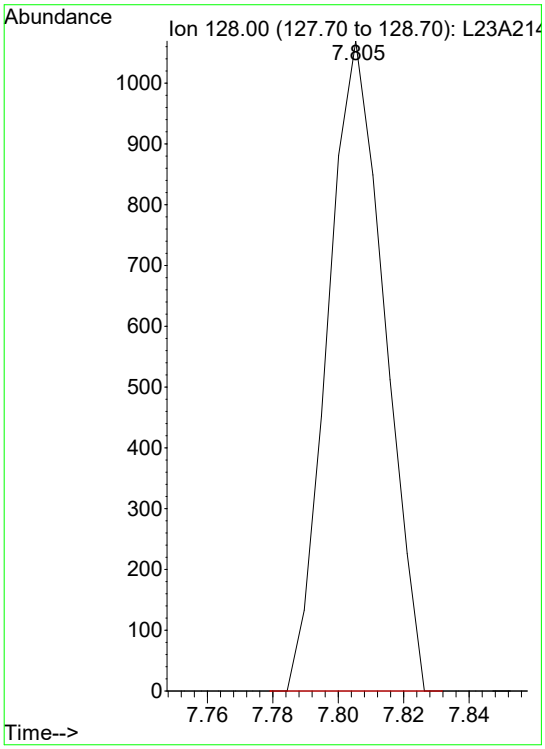
Thu Aug 03 10:51:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

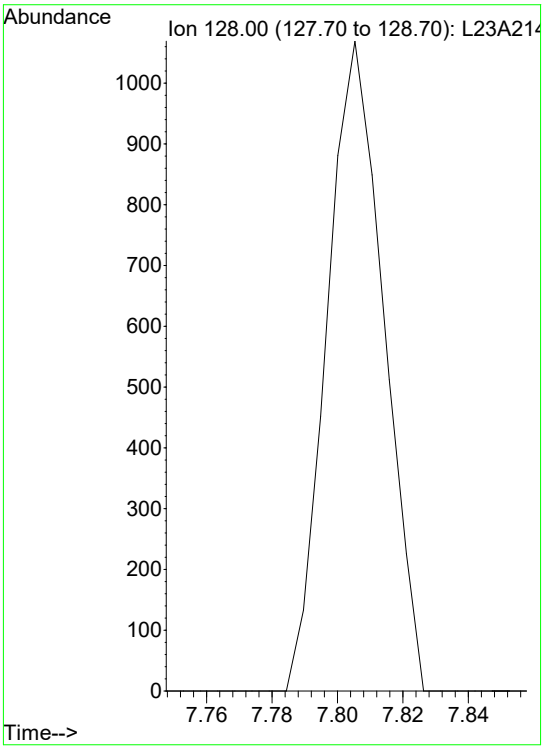
RT : 7.81
Area : 1297
Amount: 0.026754

Manual Int. Results

Thu Aug 03 10:51:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

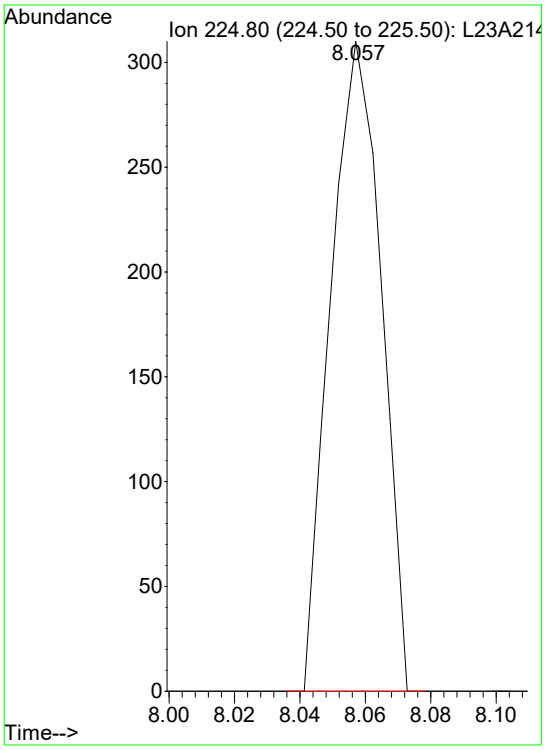
Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

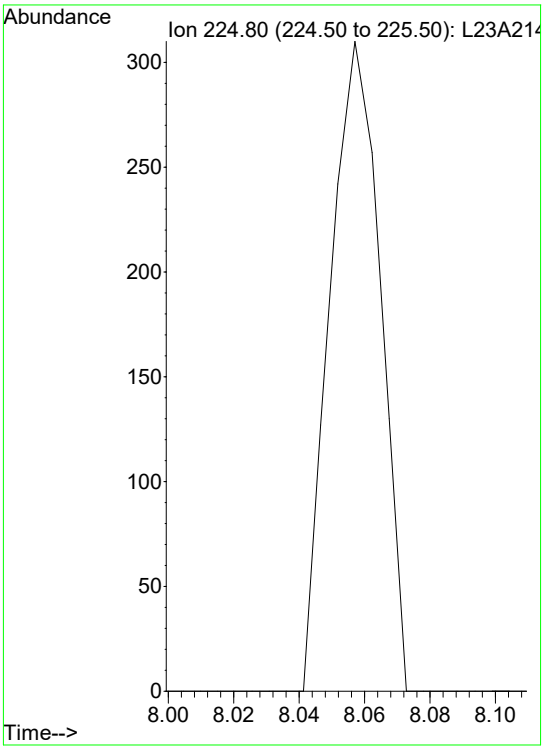
RT : 8.06
Area : 335
Amount: 0.0114932

Manual Int. Results

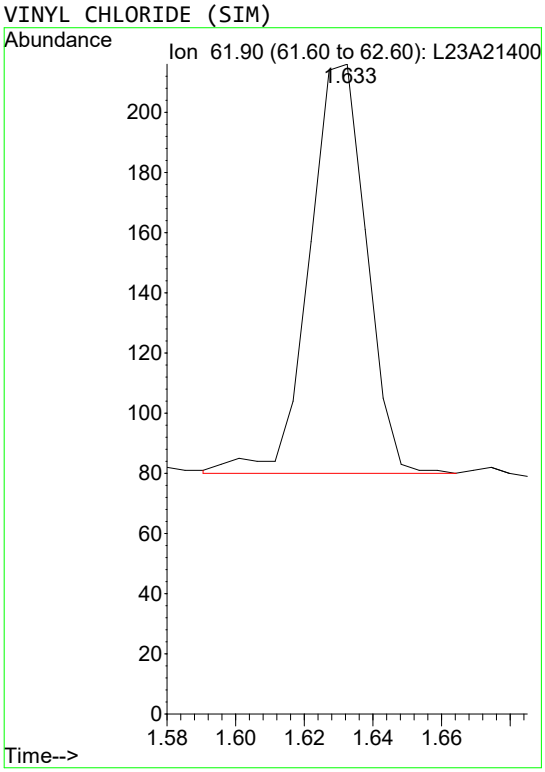
Thu Aug 03 10:51:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Original Integration
VINYL CHLORIDE (SIM)



Original Int. Results

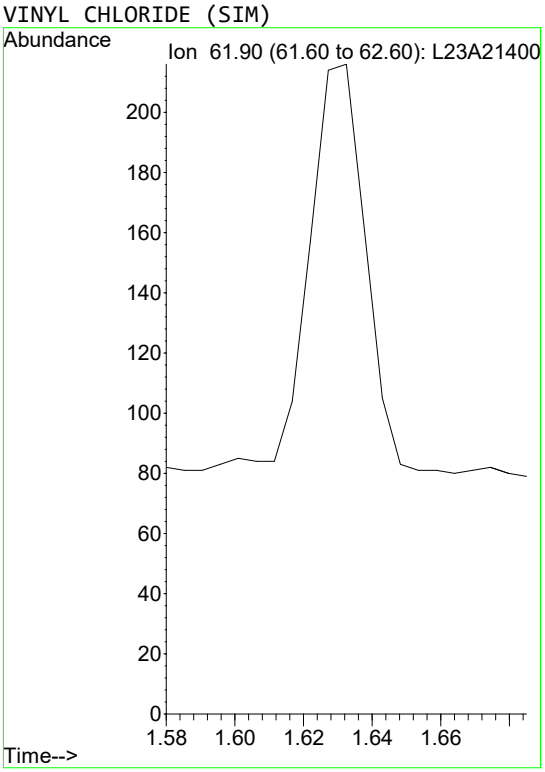
RT : 1.63
Area : 157
Amount: 0.0054612

Manual Int. Results

Thu Aug 03 10:53:52 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL CHLORIDE (SIM)



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214005.D Vial: 2
Acq On : 02 Aug 2023 04:58 pm Operator: CMR
Sample : 0.010PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:25 2023

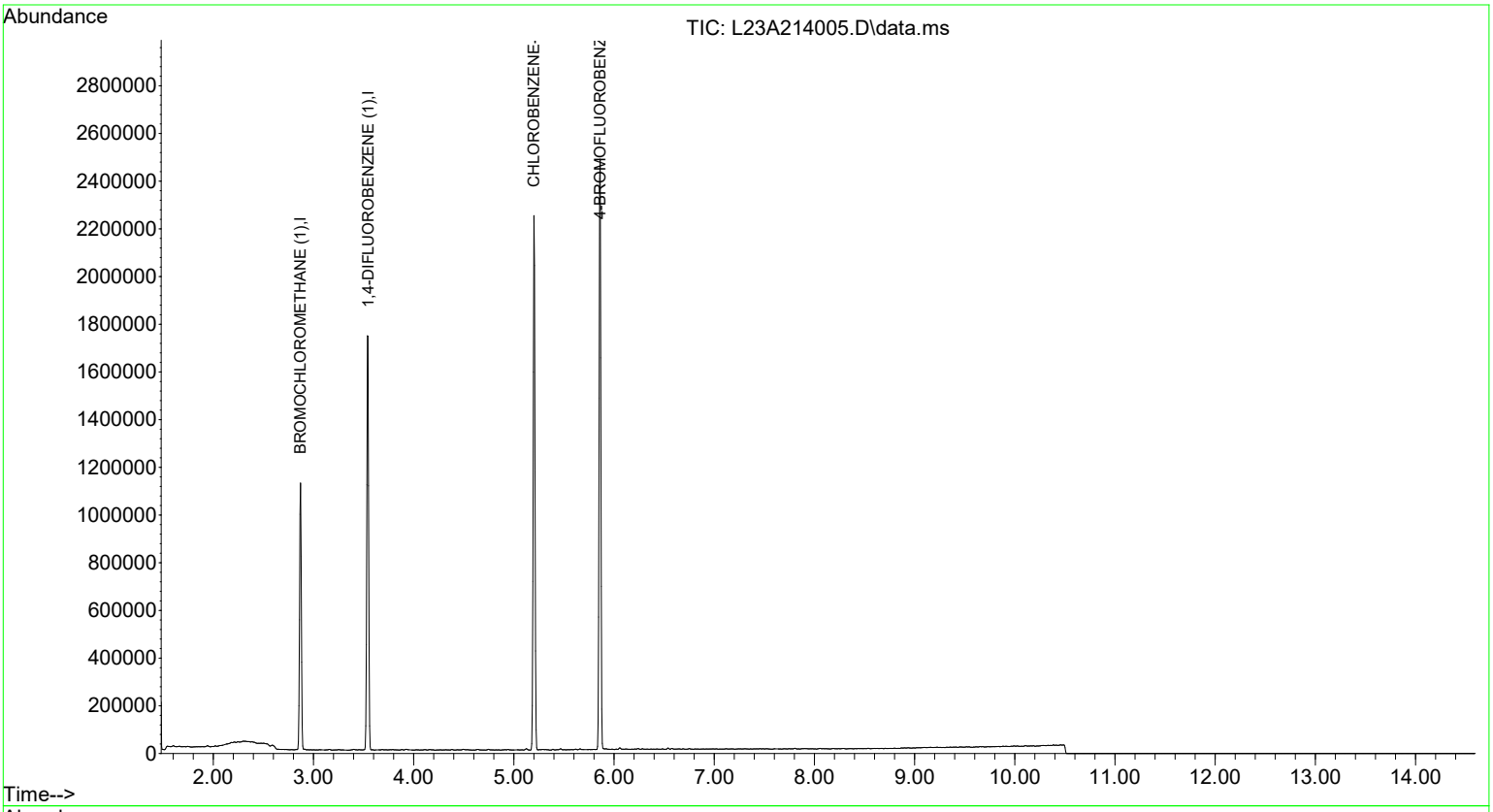
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214005.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

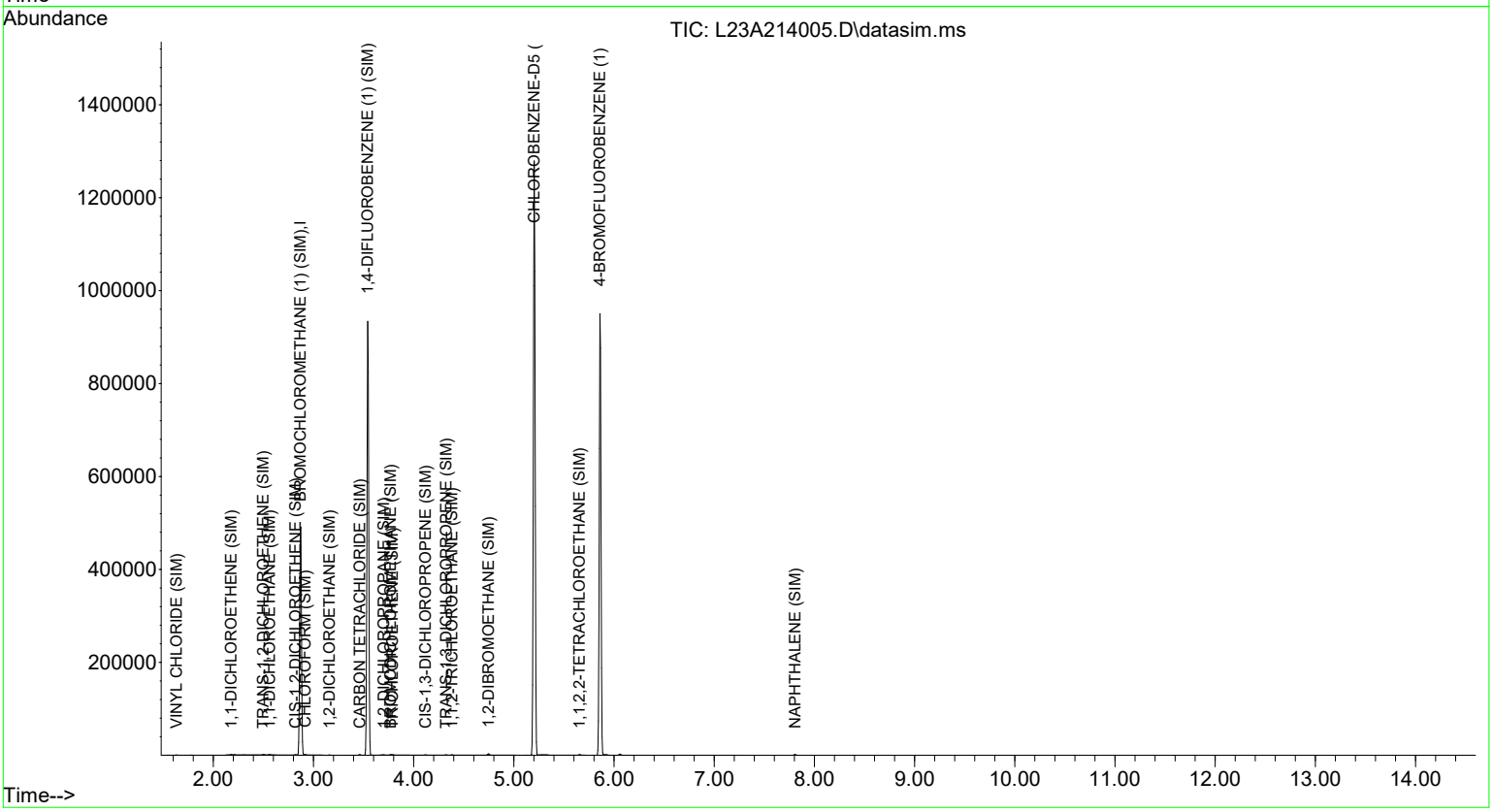
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	333451	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.544	114	927752	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	857860	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	369360	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	972992	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	956675	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	460108	7.957	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	477010	7.810	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 97.63%			
Target Compounds						Qvalue
70] VINYL CHLORIDE (SIM)	1.632	62	311	0.011	PPBV	92
71] 1,1-DICHLOROETHENE (SIM)	2.179	61	534	0.011	PPBV	94
72] TRANS-1,2-DICHLOROETHE...	2.499	61	527	0.011	PPBV	92
73] 1,1-DICHLOROETHANE (SIM)	2.565	63	617	0.011	PPBV	89
74] CIS-1,2-DICHLOROETHENE...	2.820	61	427	0.011	PPBV	96
75] CHLOROFORM (SIM)	2.918	83	664	0.011	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	470	0.012	PPBV	97
78] CARBON TETRACHLORIDE (...	3.460	117	661	0.011	PPBV	98
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	324	0.011	PPBV	98
80] BROMODICHLOROMETHANE (...	3.769	83	709	0.011	PPBV	99
81] TRICHLOROETHENE (SIM)	3.790	95	414	0.011	PPBV	94
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	533	0.012	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.323	75	568	0.014	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	389	0.011	PPBV	100
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	1750	0.029	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	840	0.012	PPBV	99
89] NAPHTHALENE (SIM)	7.808	128	1657	0.032	PPBV	98

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214005.D Vial: 2
Acq On : 02 Aug 2023 04:58 pm Operator: CMR
Sample : 0.010PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:25 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214005.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

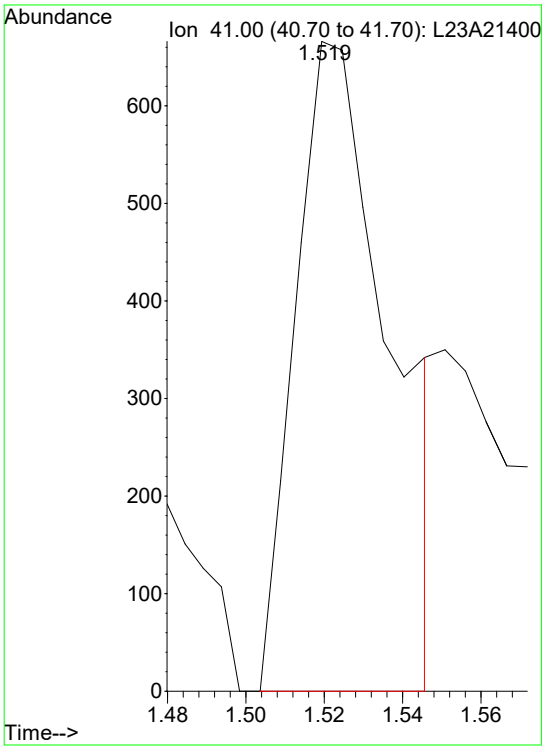




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

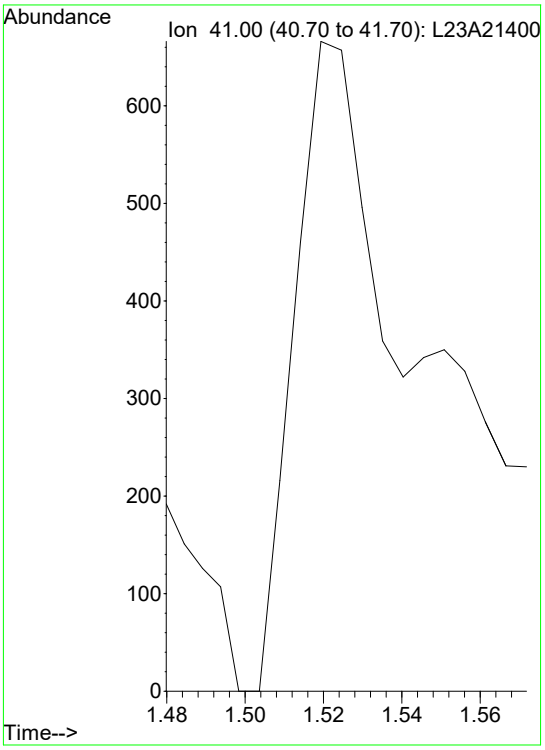
RT : 1.52
Area : 1106
Amount: 0.0681366

Manual Int. Results

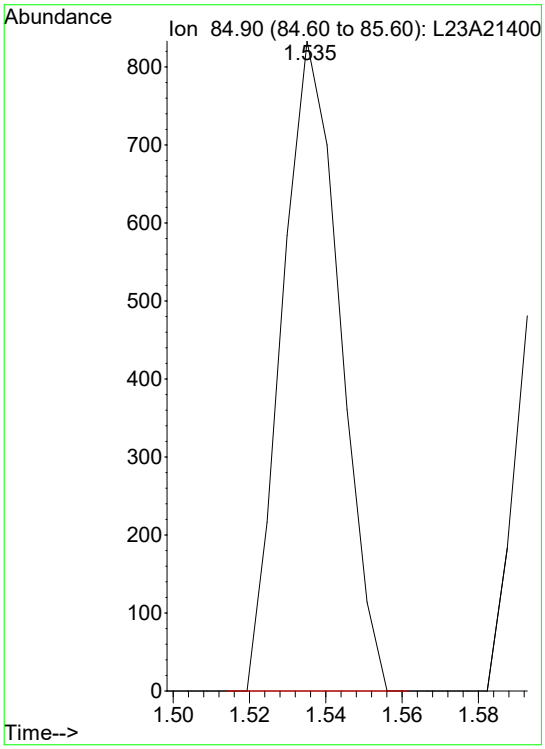
Thu Aug 03 10:48:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

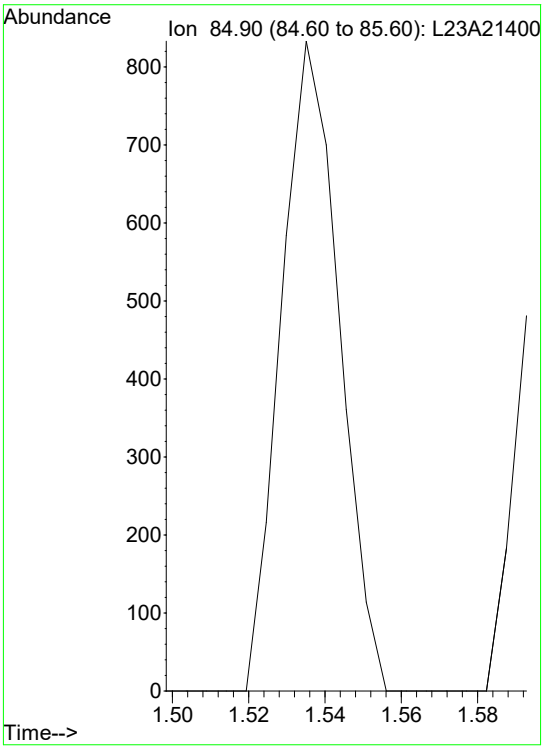
RT : 1.54
Area : 884
Amount: 0.0131278

Manual Int. Results

Thu Aug 03 10:48:01 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

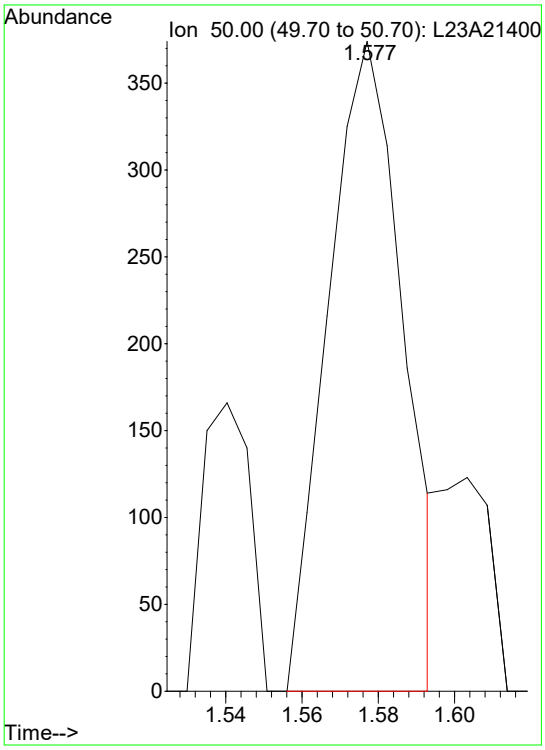
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROMETHANE



Original Int. Results

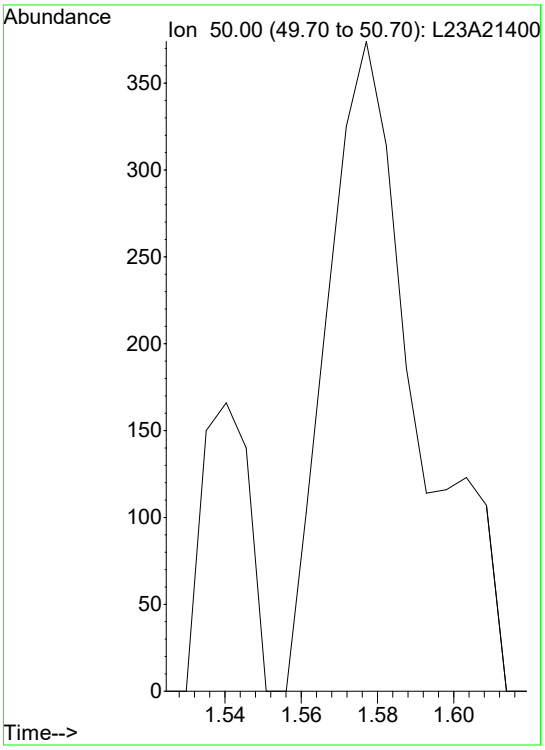
RT : 1.58
Area : 514
Amount: 0.0202261

Manual Int. Results

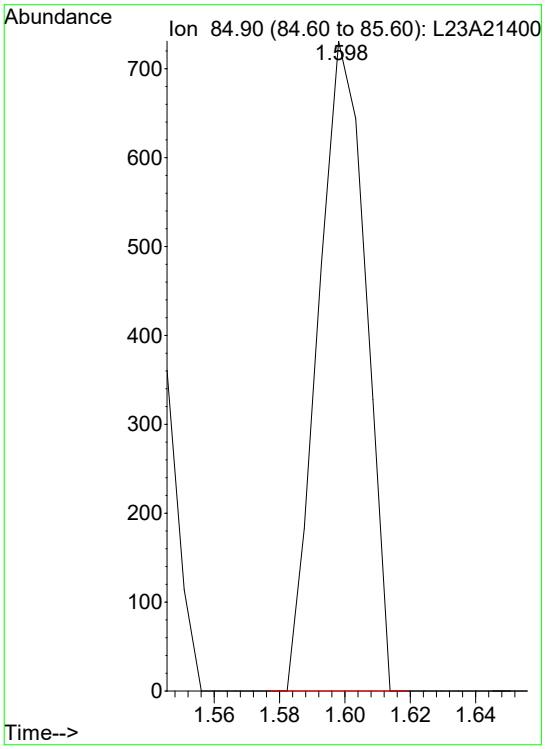
Thu Aug 03 10:47:59 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

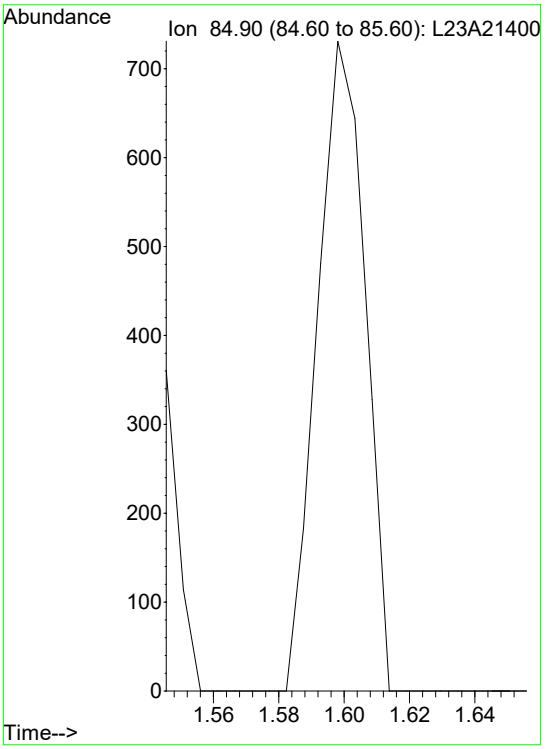
RT : 1.60
Area : 746
Amount: 0.0110122

Manual Int. Results

Thu Aug 03 10:47:58 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

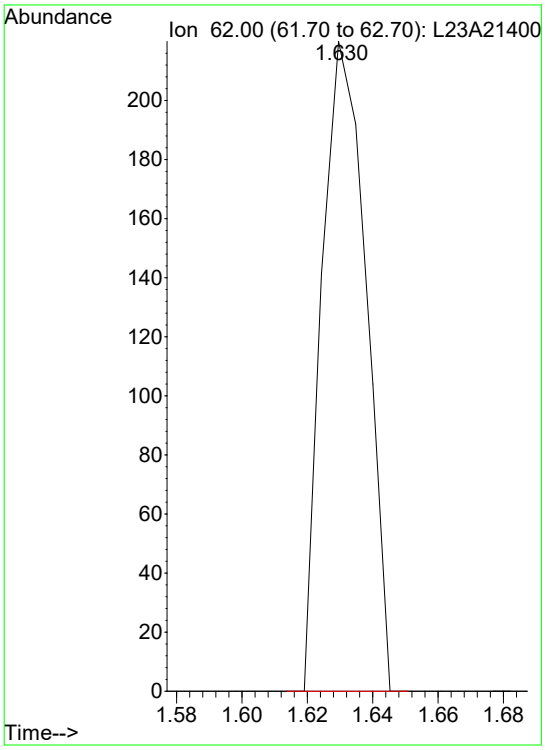
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL CHLORIDE



Original Int. Results

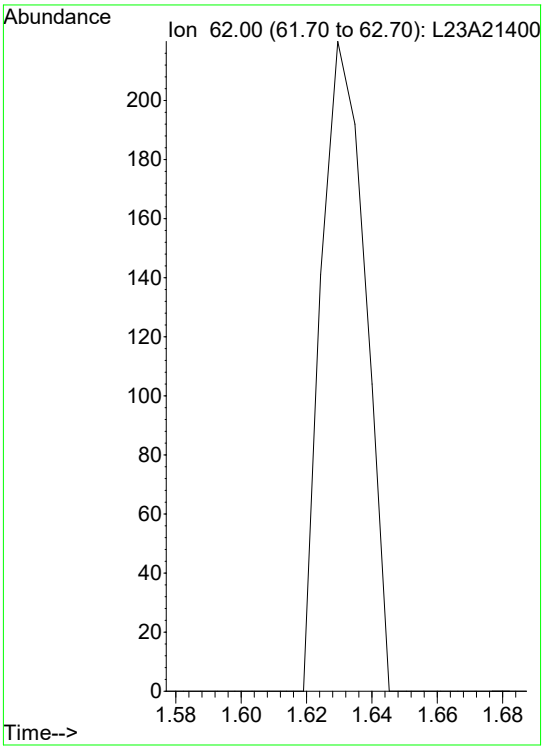
RT : 1.63
Area : 207
Amount: 0.00733419

Manual Int. Results

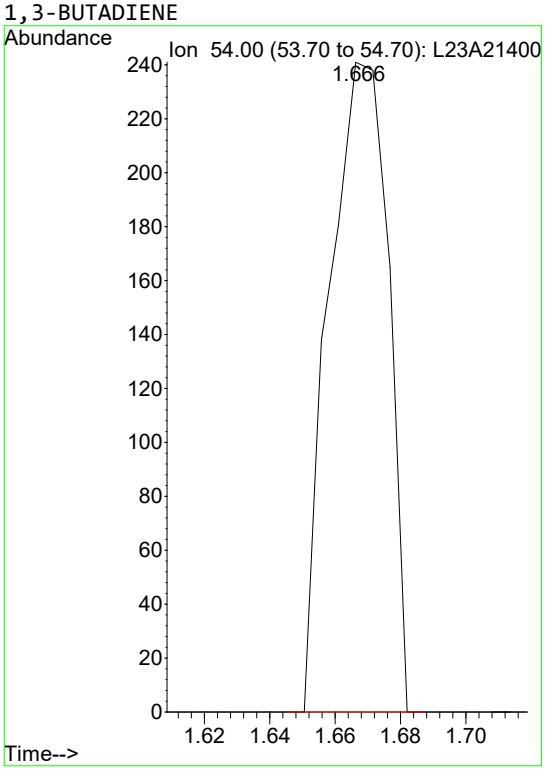
Thu Aug 03 10:47:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL CHLORIDE



Original Integration
1,3-BUTADIENE



Original Int. Results

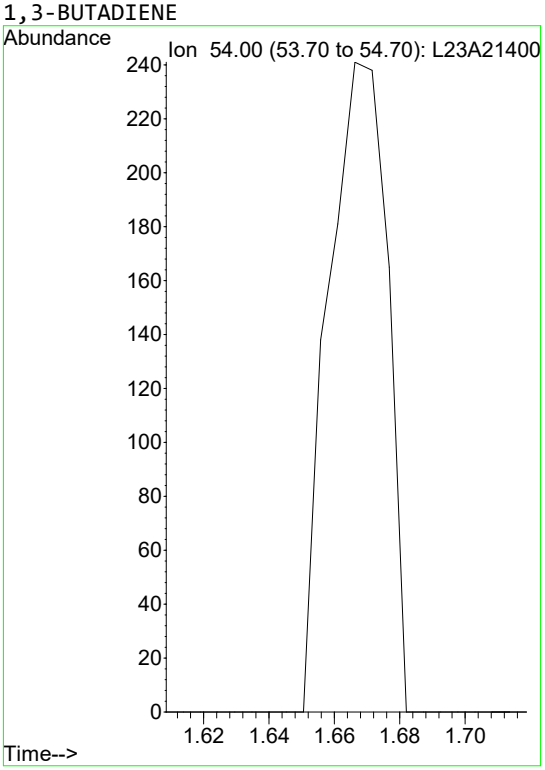
RT : 1.67
Area : 303
Amount: 0.014472

Manual Int. Results

Thu Aug 03 10:47:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

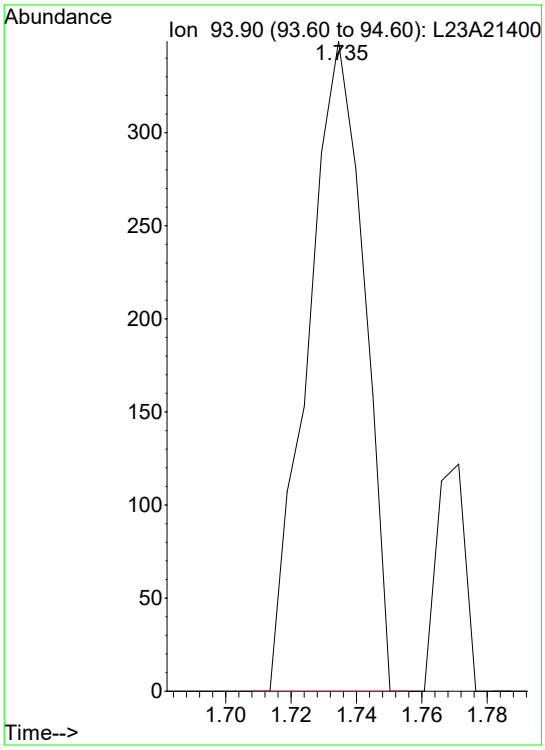
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BROMOMETHANE



Original Int. Results

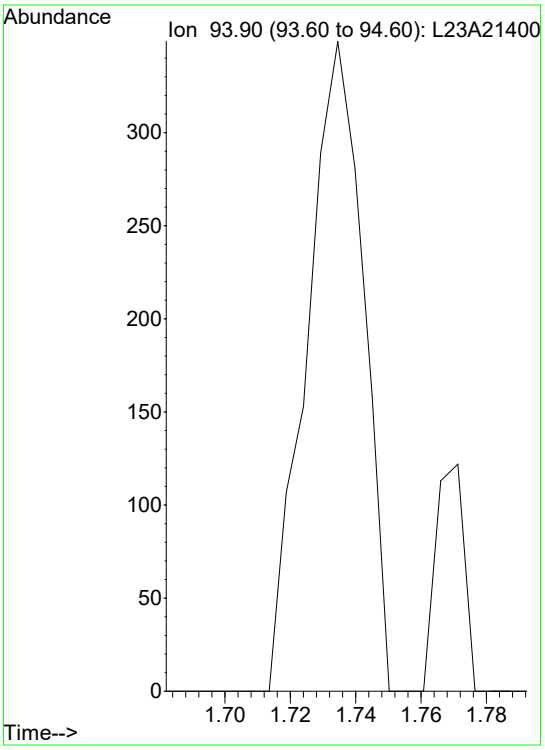
RT : 1.73
Area : 421
Amount: 0.0174248

Manual Int. Results

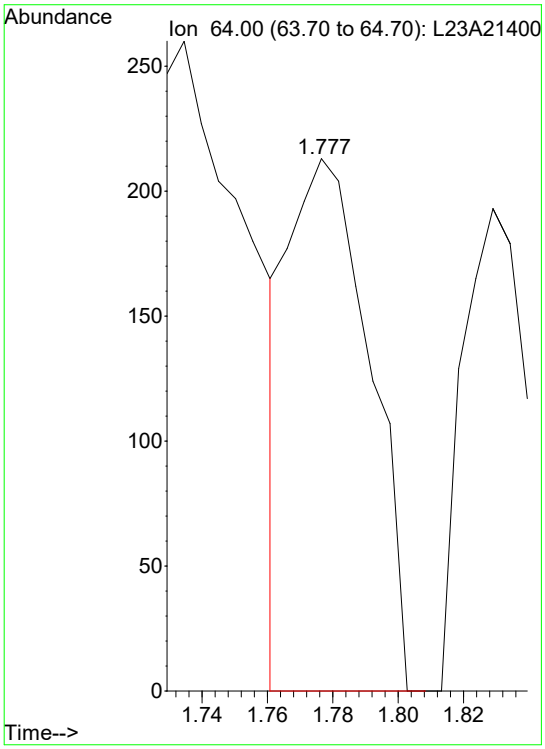
Thu Aug 03 10:47:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

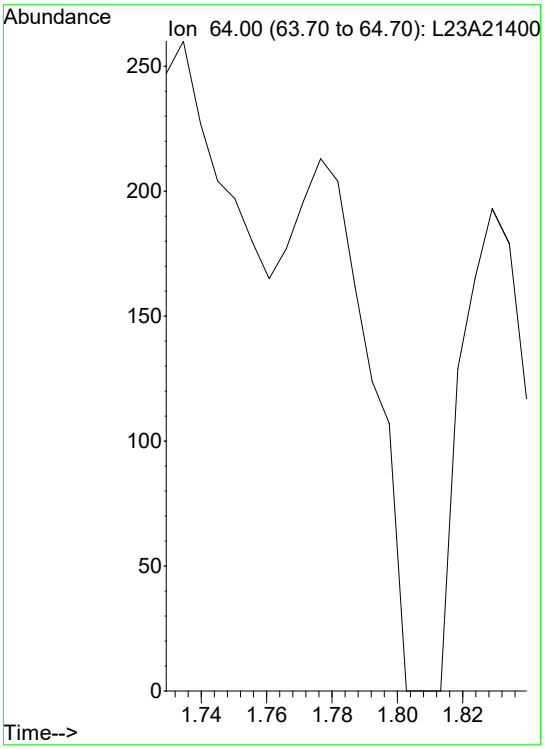
RT : 1.78
Area : 373
Amount: 0.024318

Manual Int. Results

Thu Aug 03 10:47:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

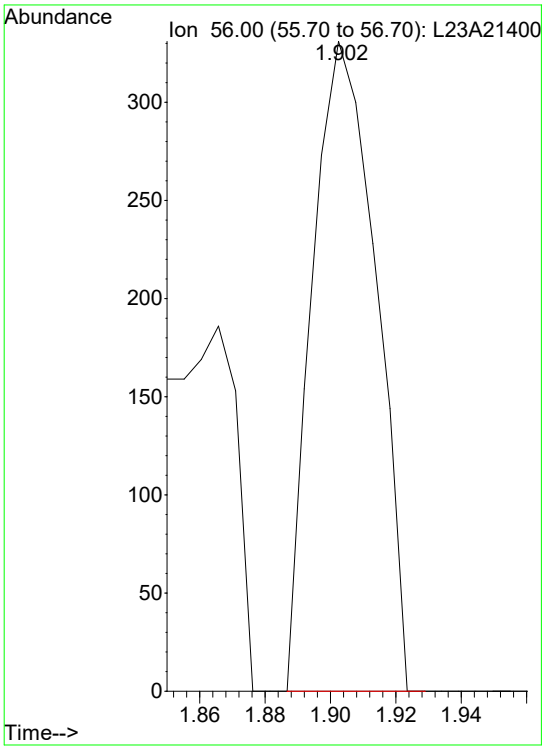
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ACROLEIN



Original Int. Results

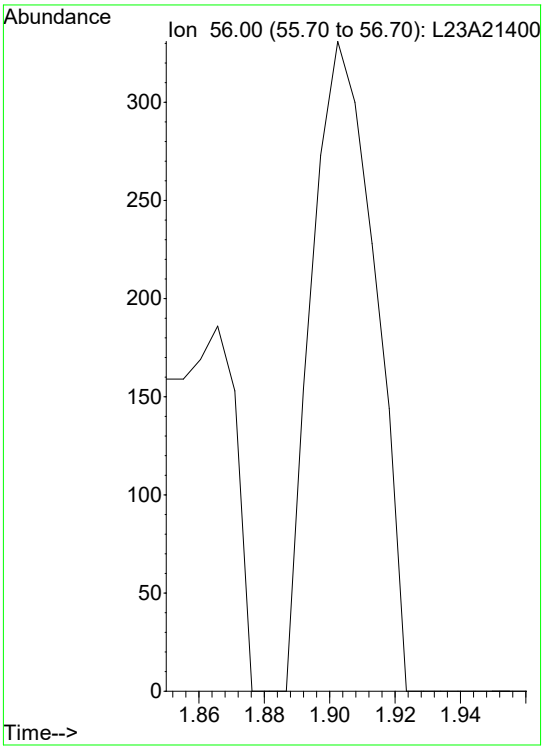
RT : 1.90
Area : 450
Amount: 0.035

Manual Int. Results

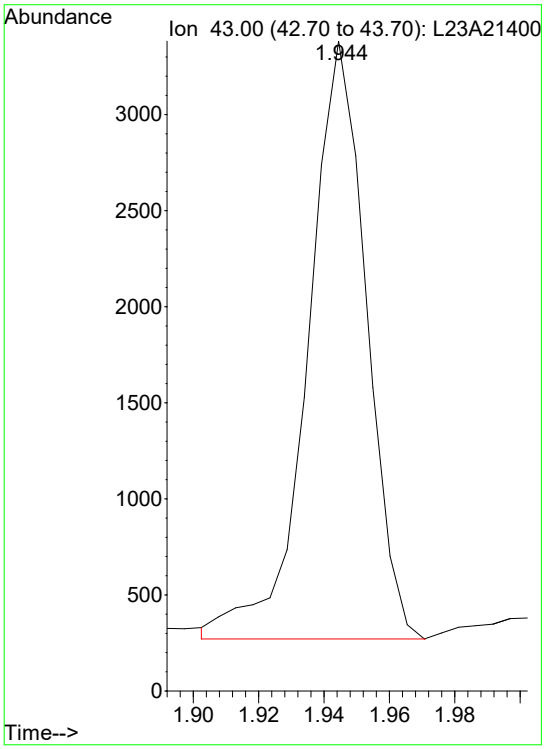
Thu Aug 03 10:47:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACROLEIN



Original Integration
ACETONE



Original Int. Results

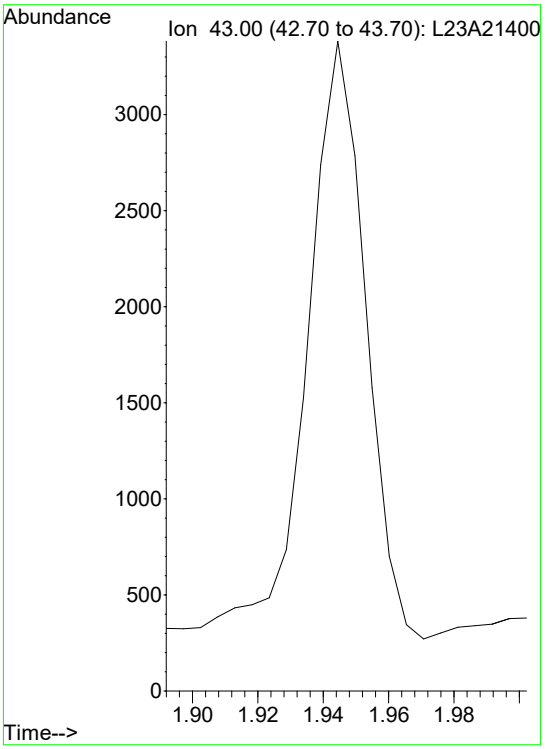
RT : 1.94
Area : 3873
Amount: 0.0809651

Manual Int. Results

Thu Aug 03 10:47:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

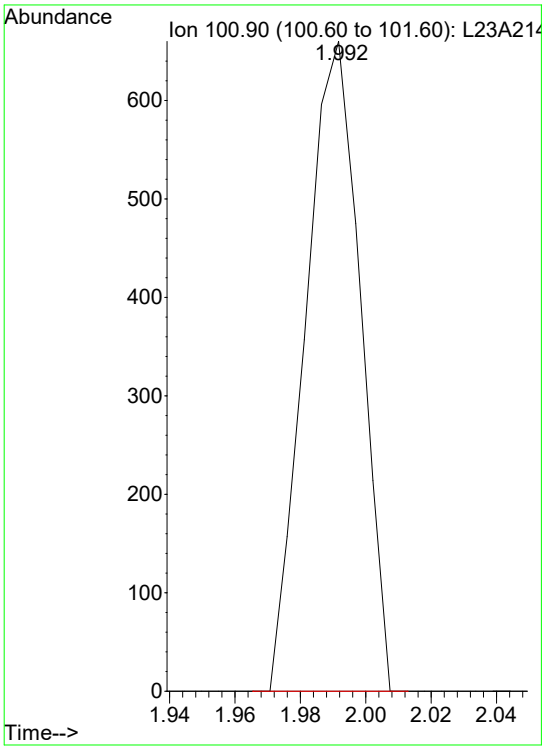
Manual Integration
ACETONE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

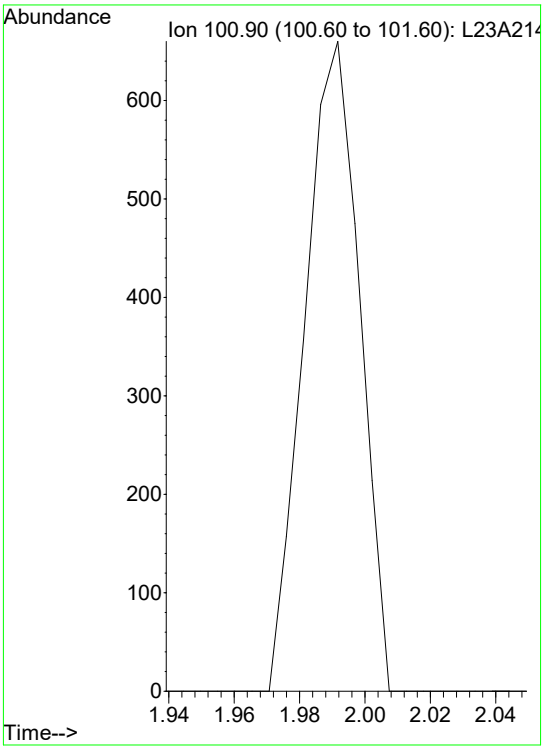
RT : 1.99
Area : 774
Amount: 0.0111335

Manual Int. Results

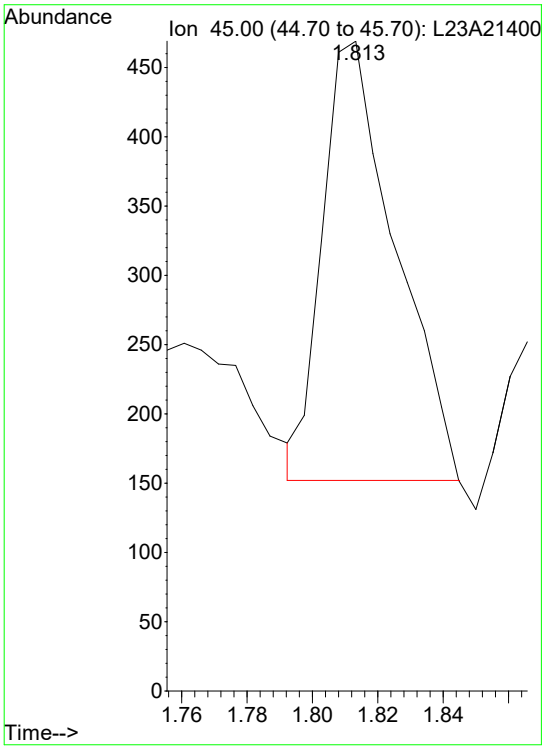
Thu Aug 03 10:47:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROFLUOROMETHANE



Original Integration
ETHANOL



Original Int. Results

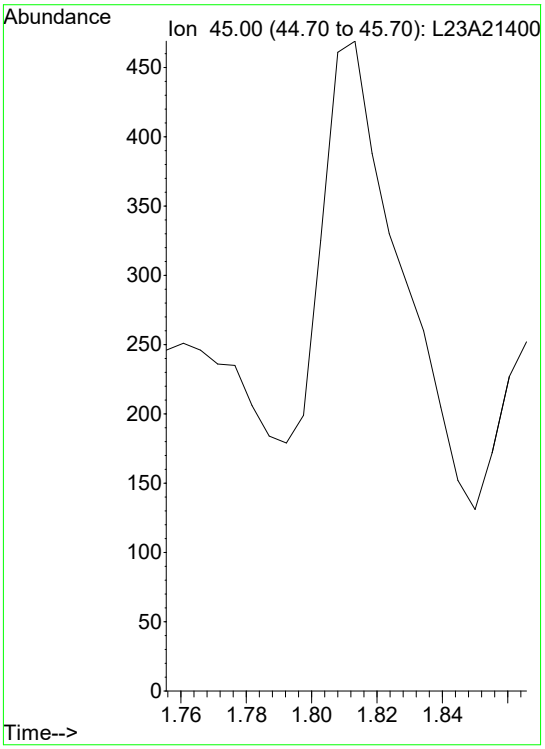
RT : 1.81
Area : 493
Amount: 0.0536978

Manual Int. Results

Thu Aug 03 10:47:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

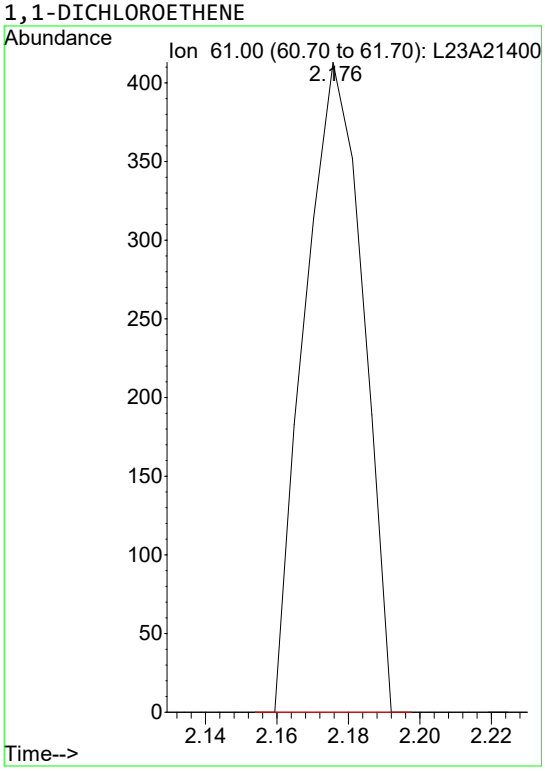
Manual Integration
ETHANOL



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

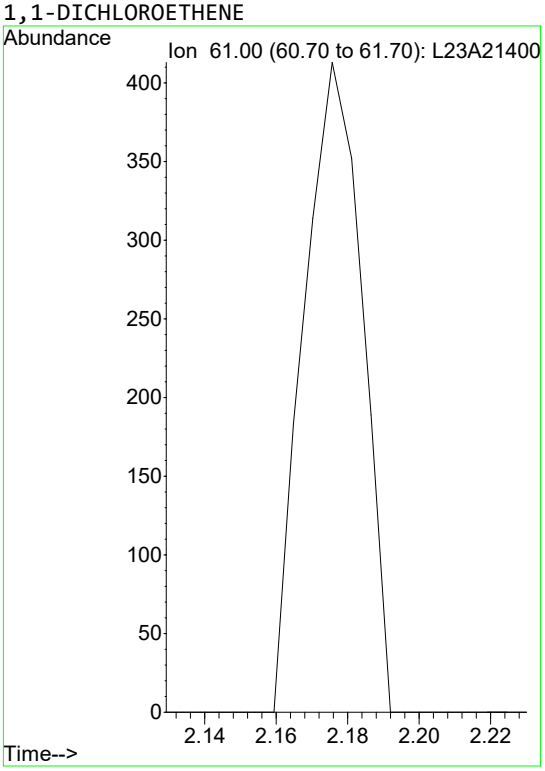
RT : 2.18
Area : 473
Amount: 0.0103056

Manual Int. Results

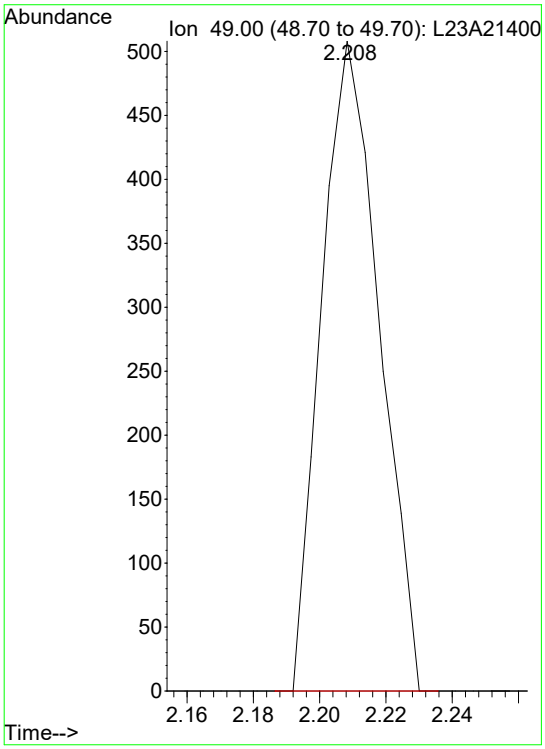
Thu Aug 03 10:47:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
METHYLENE CHLORIDE



Original Int. Results

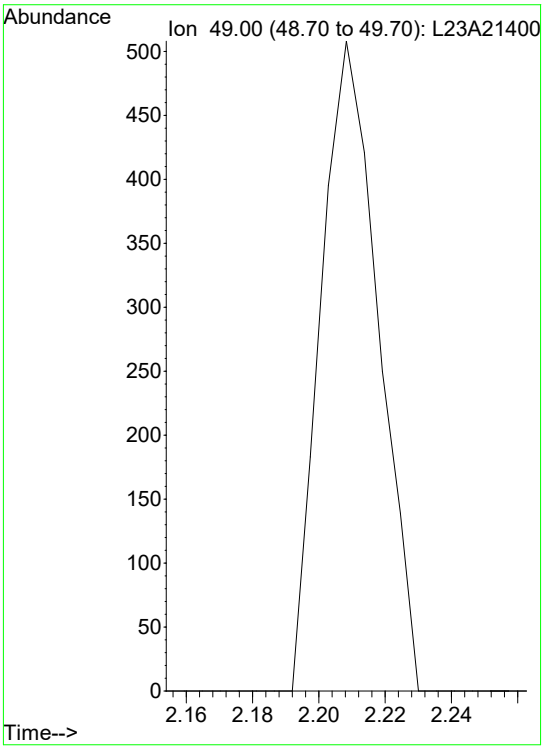
RT : 2.21
Area : 619
Amount: 0.018609

Manual Int. Results

Thu Aug 03 10:47:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

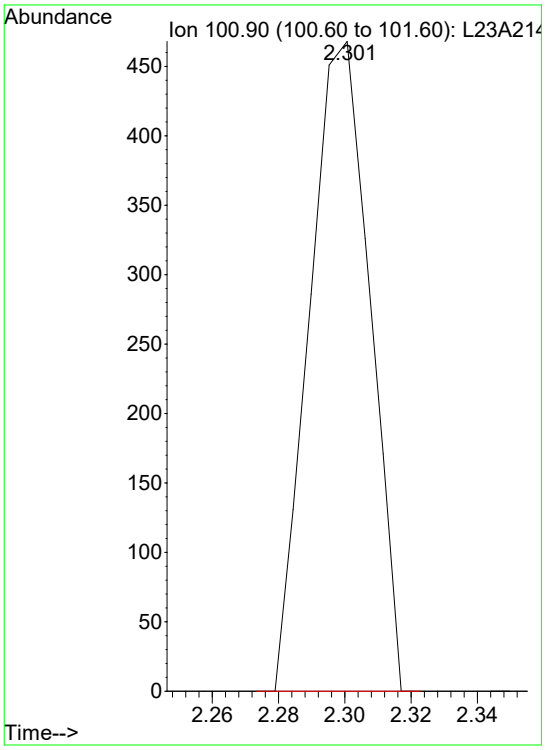
Manual Integration
METHYLENE CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
FREON 113



Original Int. Results

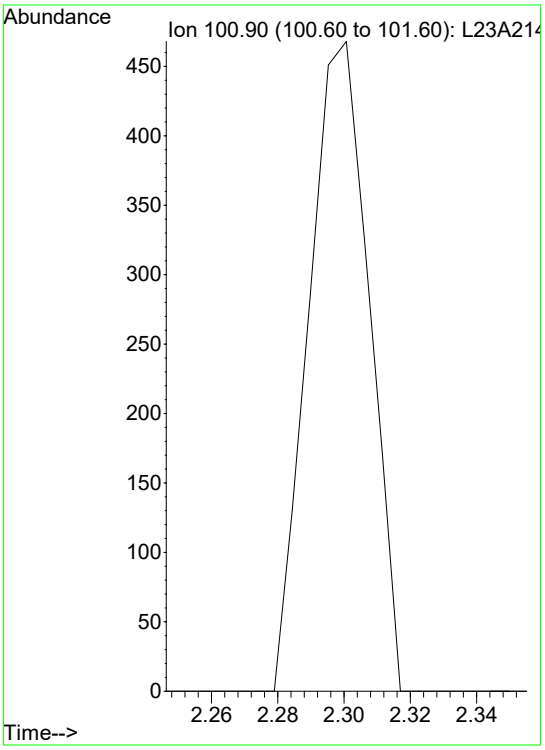
RT : 2.30
Area : 598
Amount: 0.0107059

Manual Int. Results

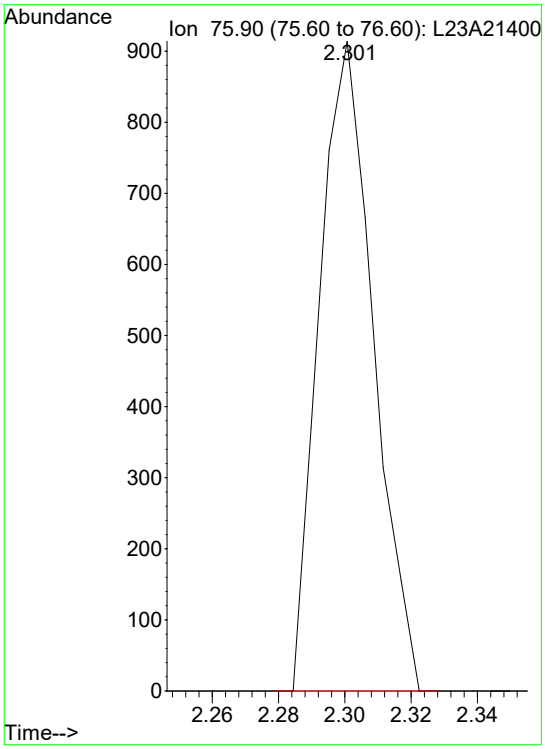
Thu Aug 03 10:42:16 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 113



Original Integration
CARBON DISULFIDE



Original Int. Results

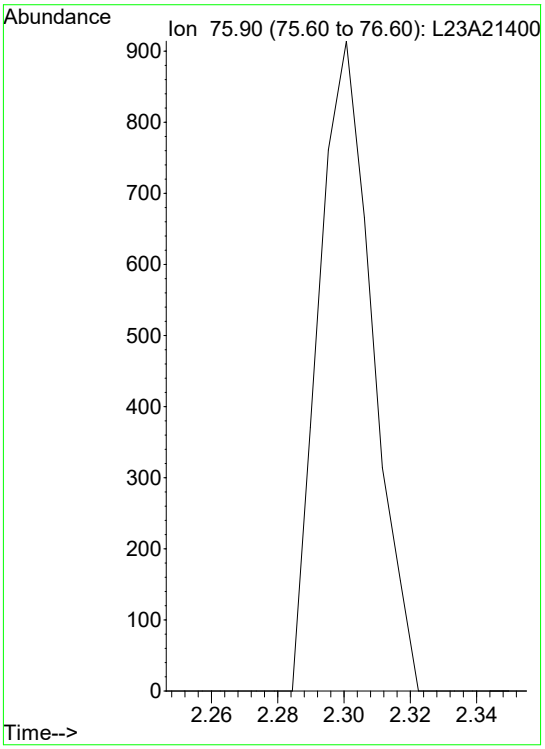
RT : 2.30
Area : 1038
Amount: 0.0128319

Manual Int. Results

Thu Aug 03 10:42:14 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

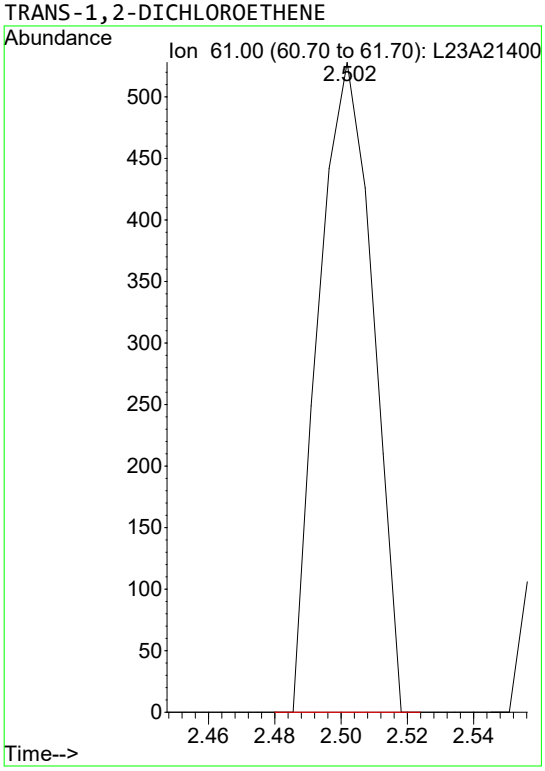
Manual Integration
CARBON DISULFIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRANS-1,2-DICHLOROETHENE



Original Int. Results

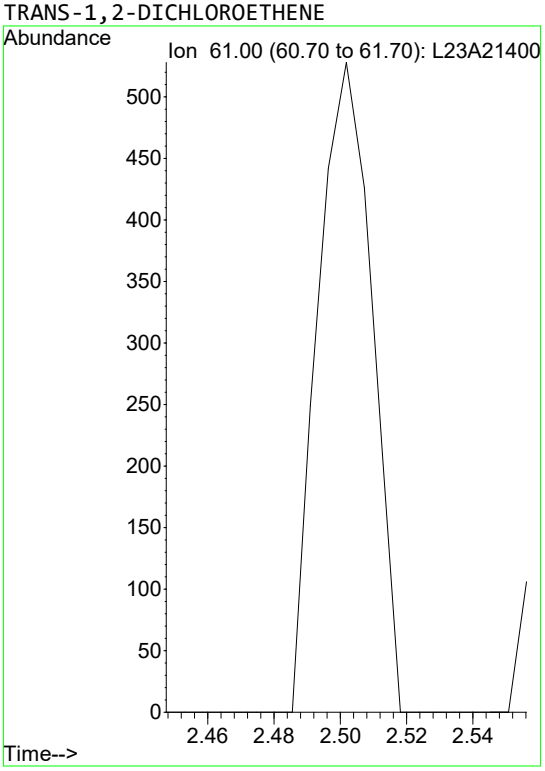
RT : 2.50
Area : 605
Amount: 0.0138098

Manual Int. Results

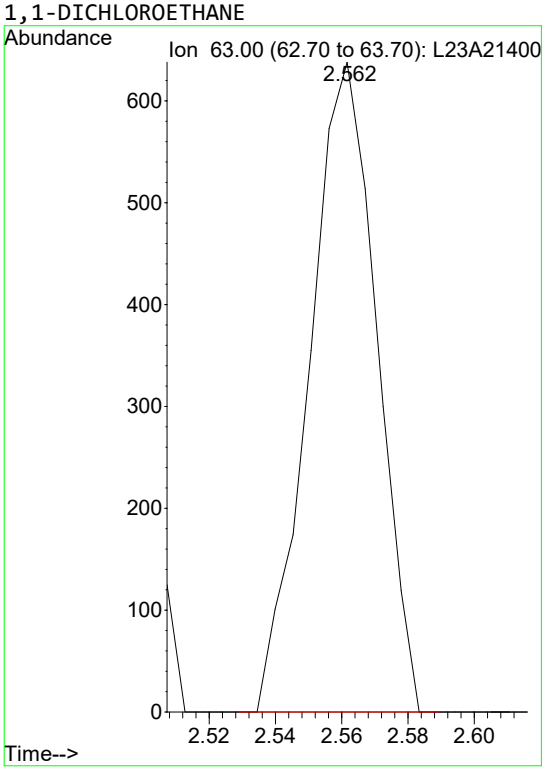
Thu Aug 03 10:42:13 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRANS-1,2-DICHLOROETHENE



Original Integration
1,1-DICHLOROETHANE



Original Int. Results

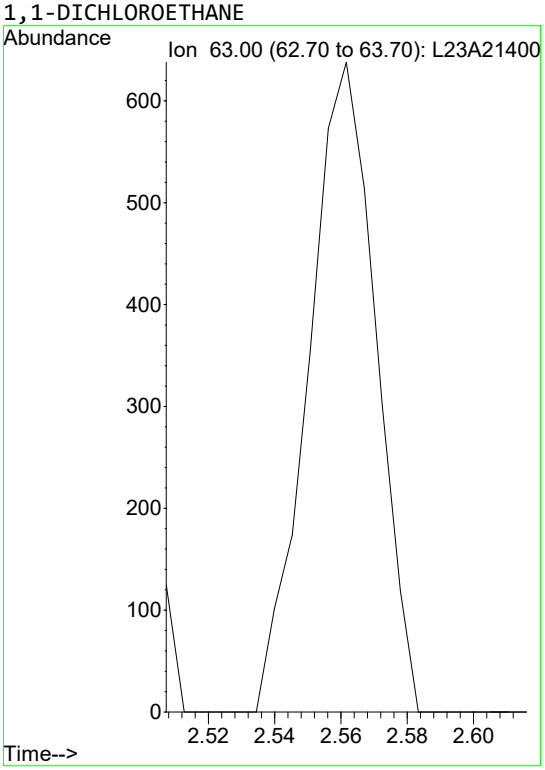
RT : 2.56
Area : 905
Amount: 0.0168983

Manual Int. Results

Thu Aug 03 10:42:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

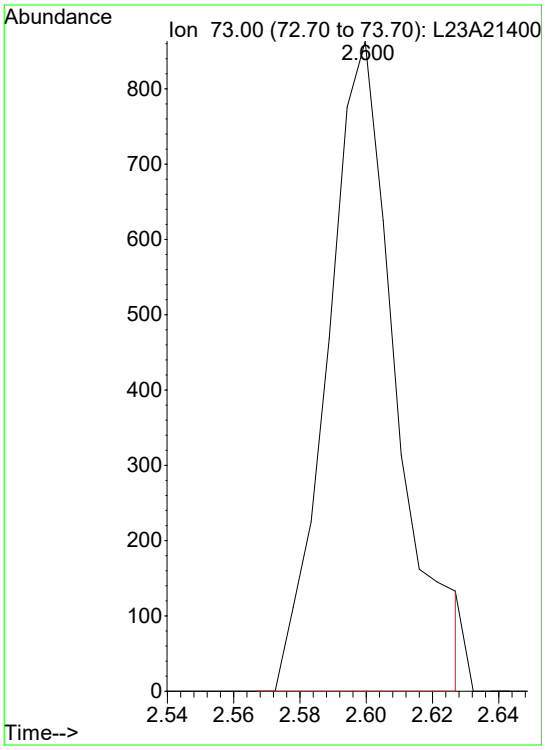
Manual Integration
1,1-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
MTBE



Original Int. Results

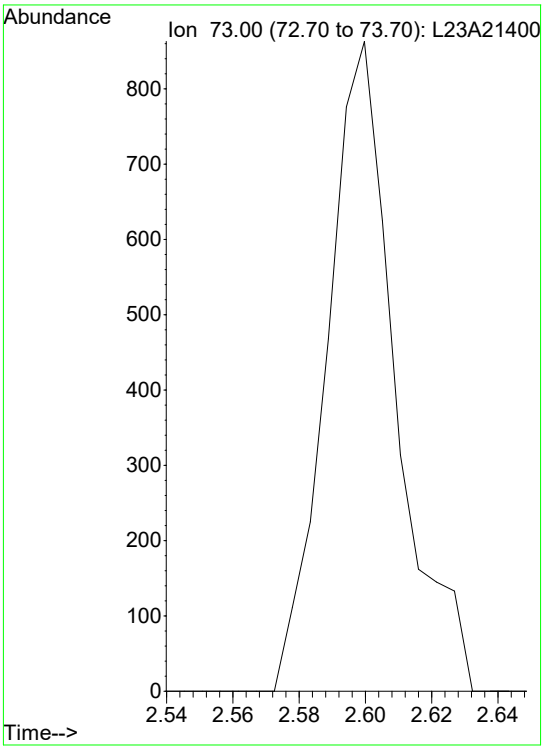
RT : 2.60
Area : 1247
Amount: 0.0142636

Manual Int. Results

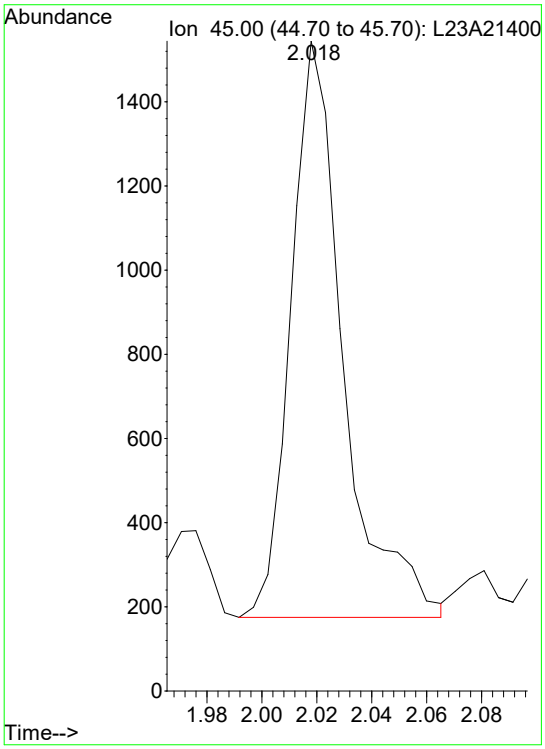
Thu Aug 03 10:42:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MTBE



Original Integration
IPA



Original Int. Results

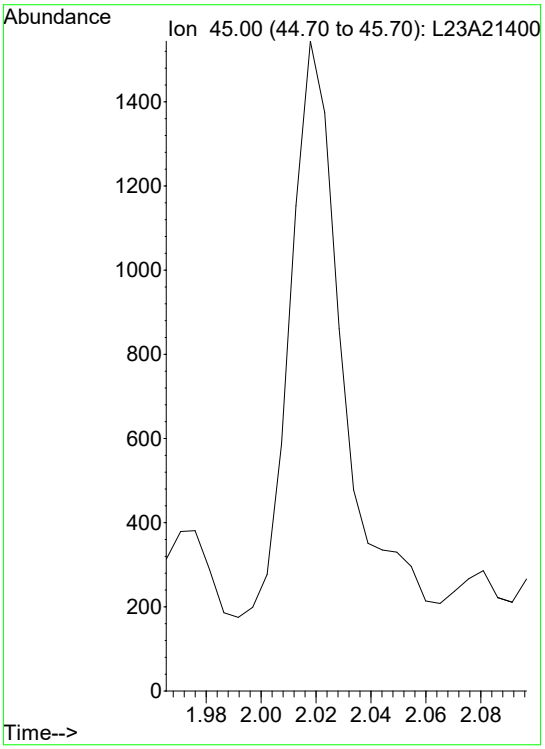
RT : 2.02
Area : 1813
Amount: 0.0374152

Manual Int. Results

Thu Aug 03 10:42:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

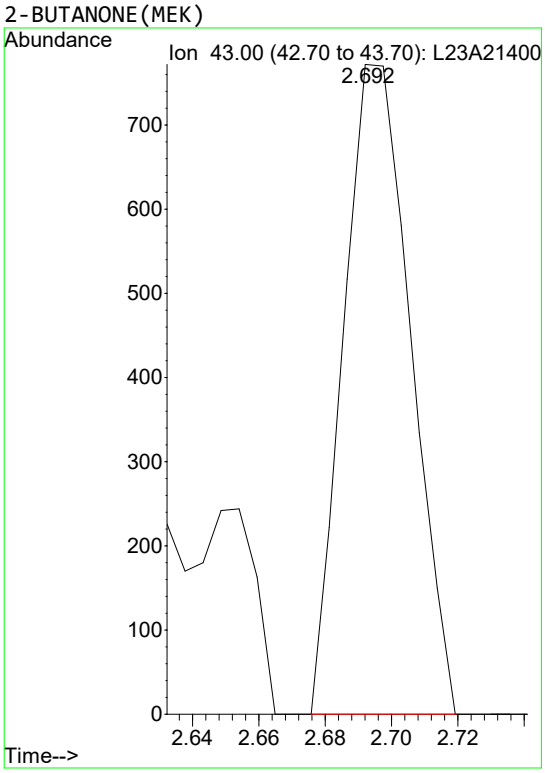
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

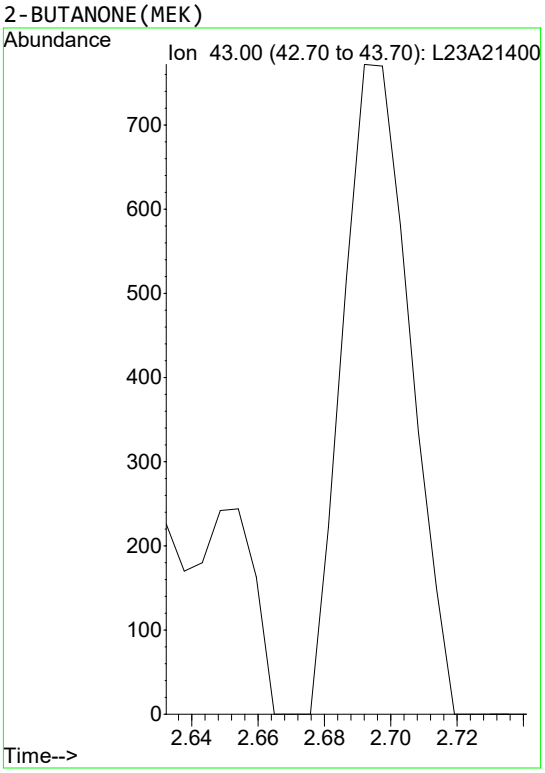
RT : 2.69
Area : 1091
Amount: 0.0208198

Manual Int. Results

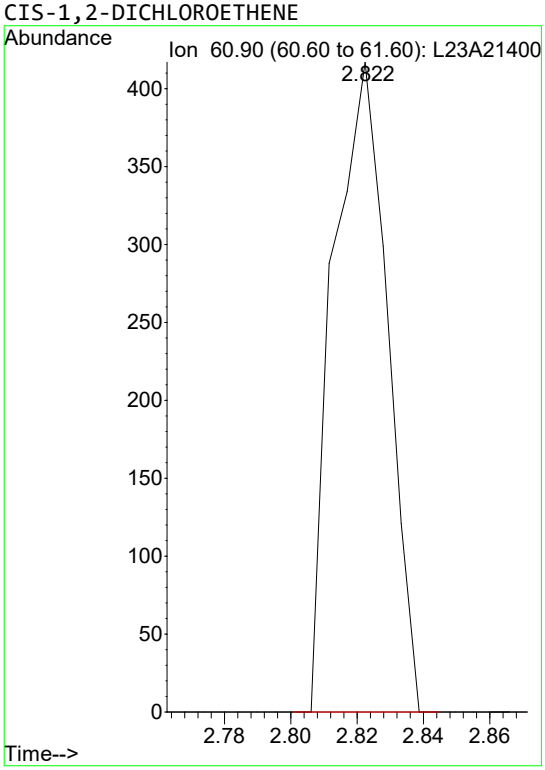
Thu Aug 03 10:42:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

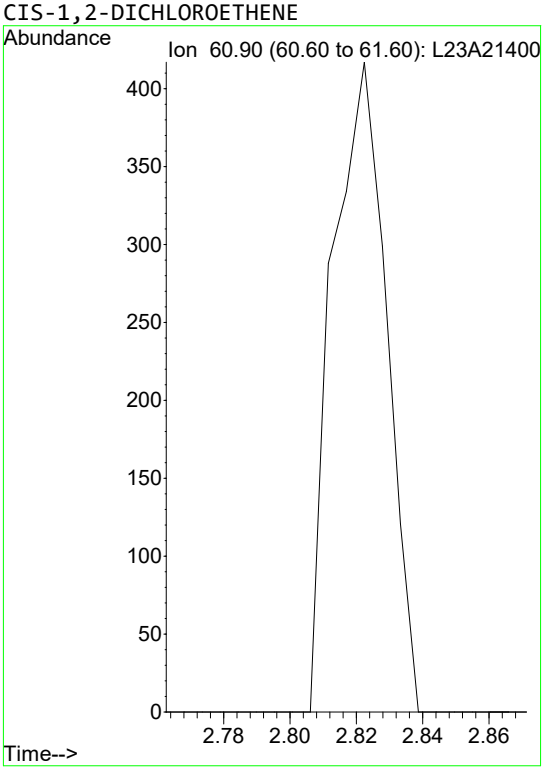
RT : 2.82
Area : 475
Amount: 0.0128031

Manual Int. Results

Thu Aug 03 10:42:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

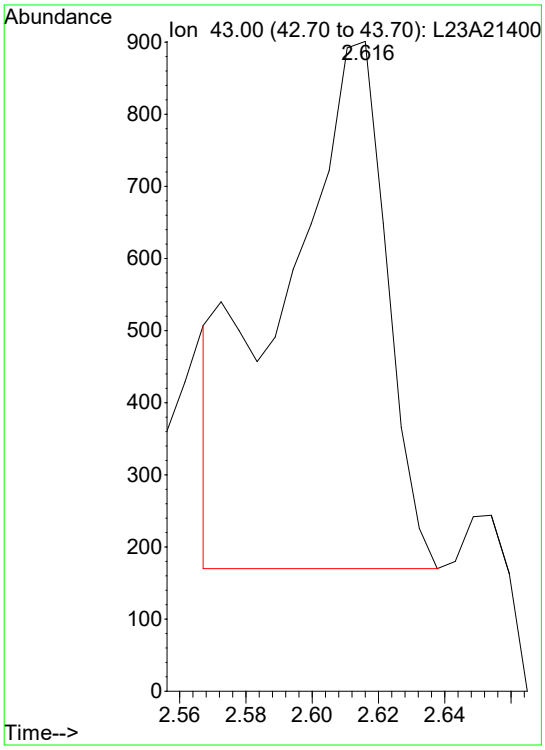
Manual Integration
CIS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

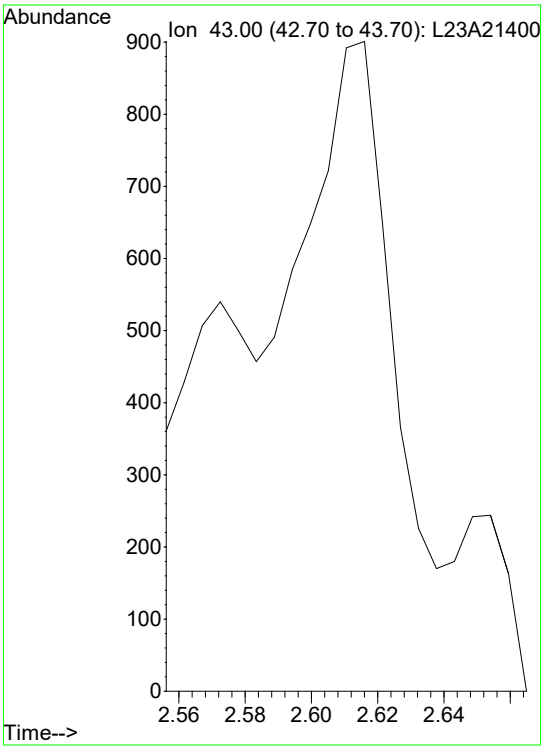
RT : 2.62
Area : 1610
Amount: 0.0271061

Manual Int. Results

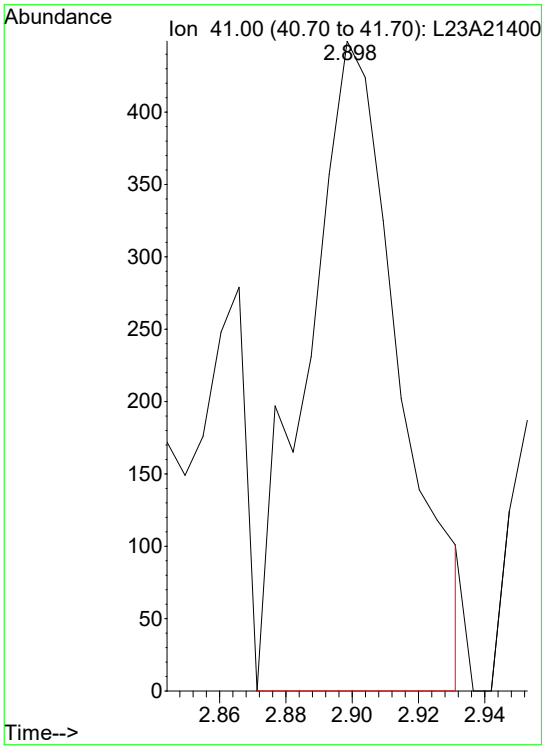
Thu Aug 03 10:42:04 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Original Integration
HEXANE



Original Int. Results

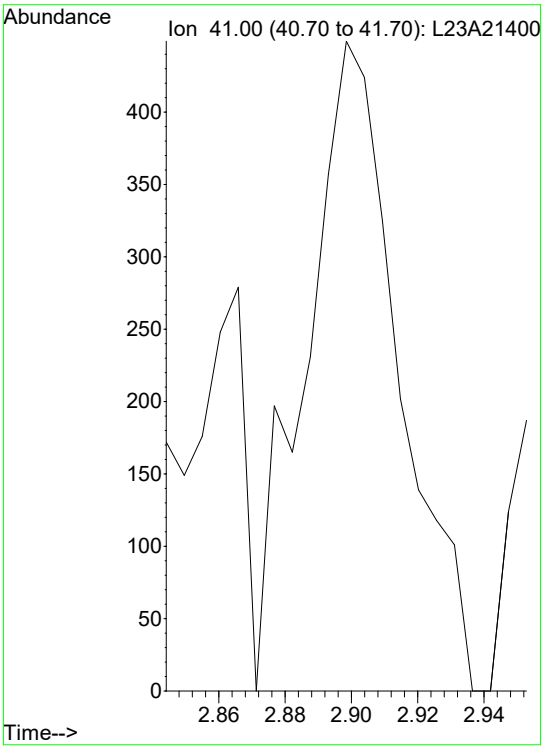
RT : 2.90
Area : 883
Amount: 0.029592

Manual Int. Results

Thu Aug 03 10:42:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

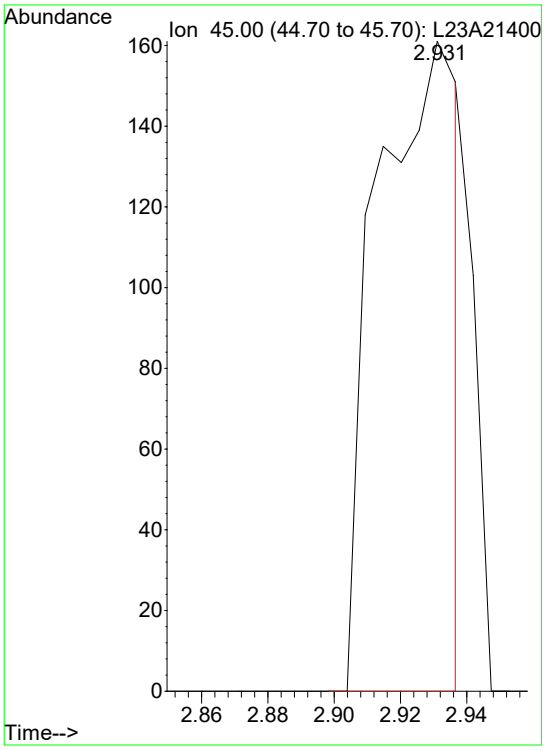
Manual Integration
HEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHYL ACETATE



Original Int. Results

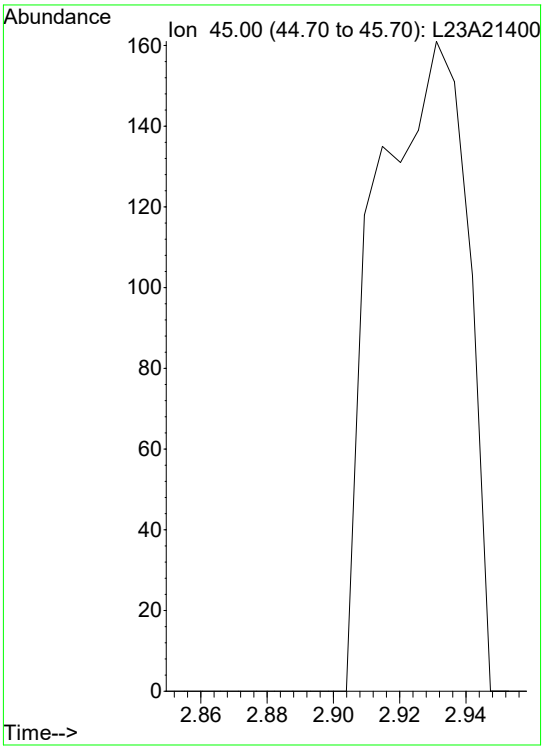
RT : 2.93
Area : 272
Amount: 0.0273081

Manual Int. Results

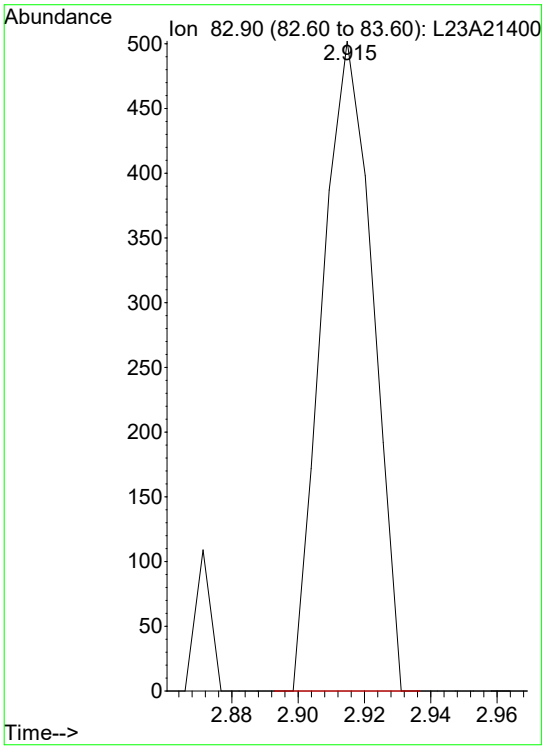
Thu Aug 03 10:42:01 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL ACETATE



Original Integration
CHLOROFORM



Original Int. Results

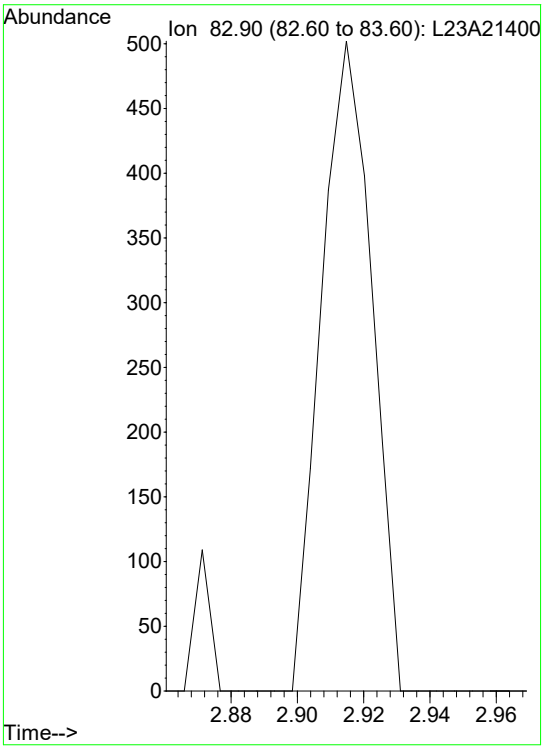
RT : 2.91
Area : 538
Amount: 0.00920831

Manual Int. Results

Thu Aug 03 10:42:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

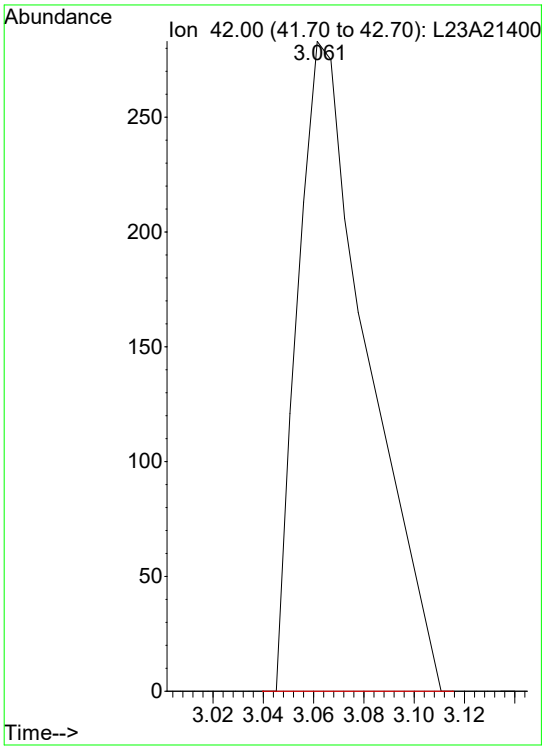
Manual Integration
CHLOROFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

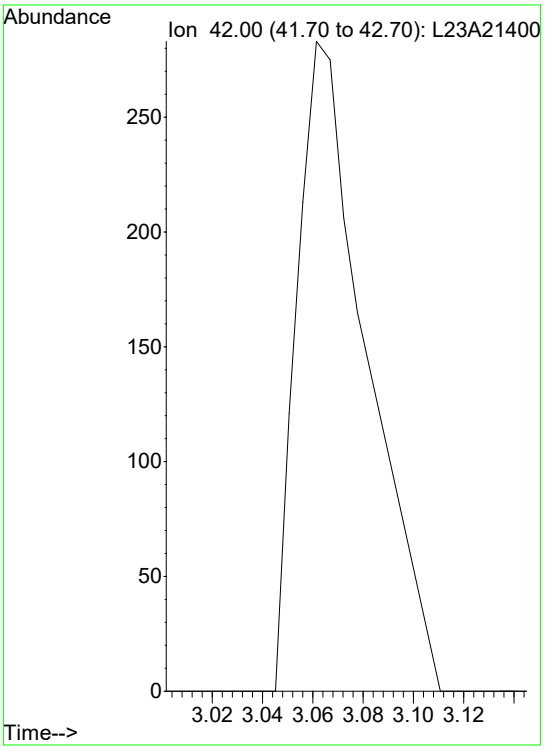
RT : 3.06
Area : 637
Amount: 0.0158136

Manual Int. Results

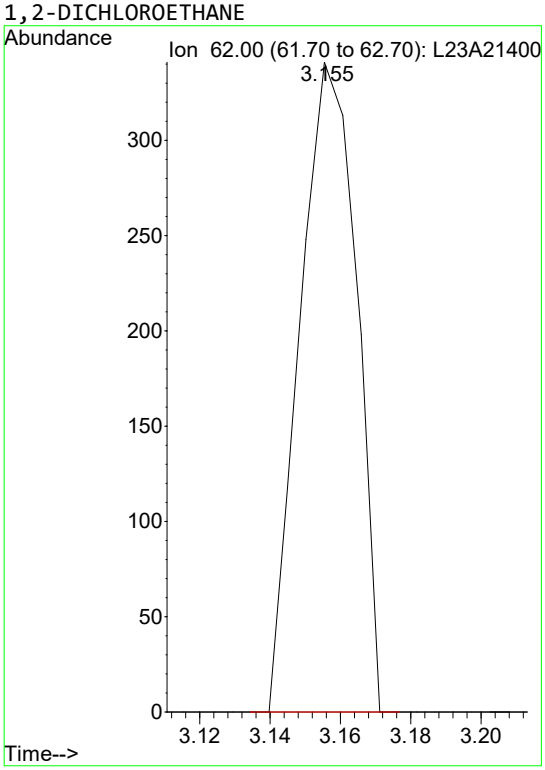
Thu Aug 03 10:41:59 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
1,2-DICHLOROETHANE



Original Int. Results

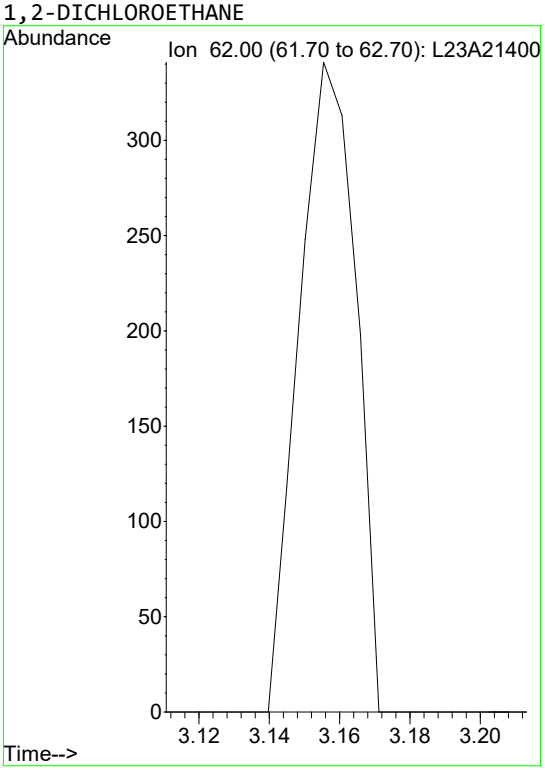
RT : 3.16
Area : 383
Amount: 0.0100216

Manual Int. Results

Thu Aug 03 10:41:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

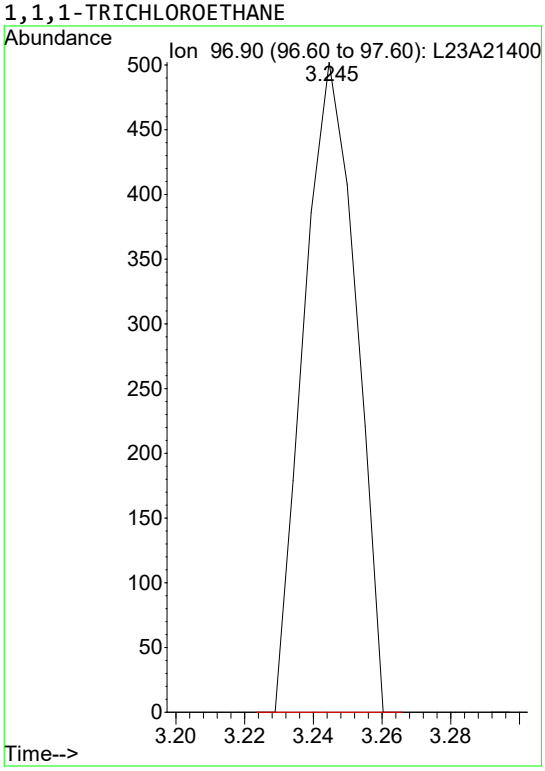
Manual Integration
1,2-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,1-TRICHLOROETHANE



Original Int. Results

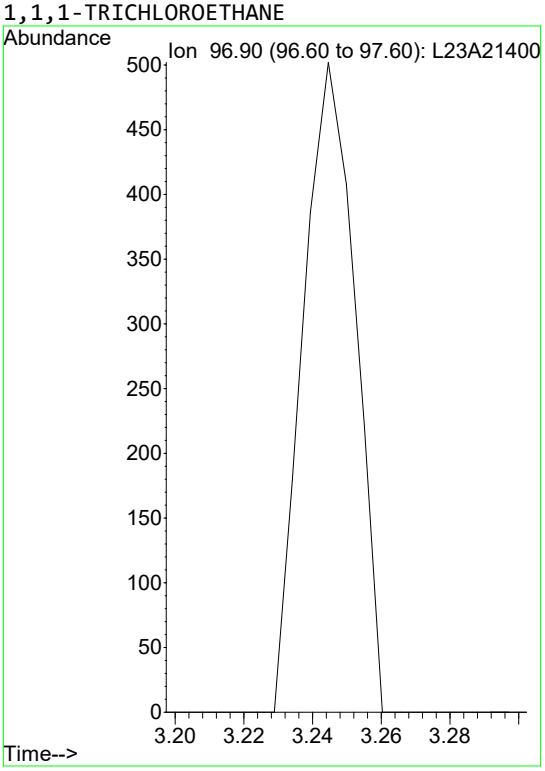
RT : 3.24
Area : 534
Amount: 0.00959593

Manual Int. Results

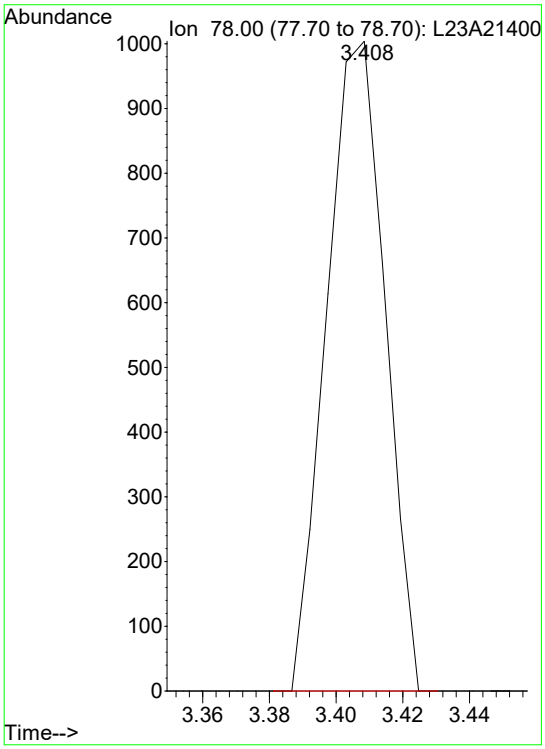
Thu Aug 03 10:41:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,1-TRICHLOROETHANE



Original Integration
BENZENE



Original Int. Results

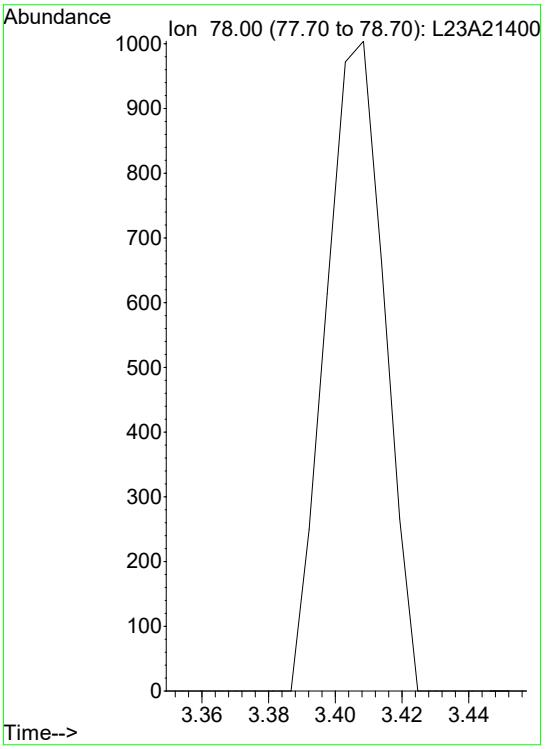
RT : 3.41
Area : 1228
Amount: 0.0147729

Manual Int. Results

Thu Aug 03 10:41:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

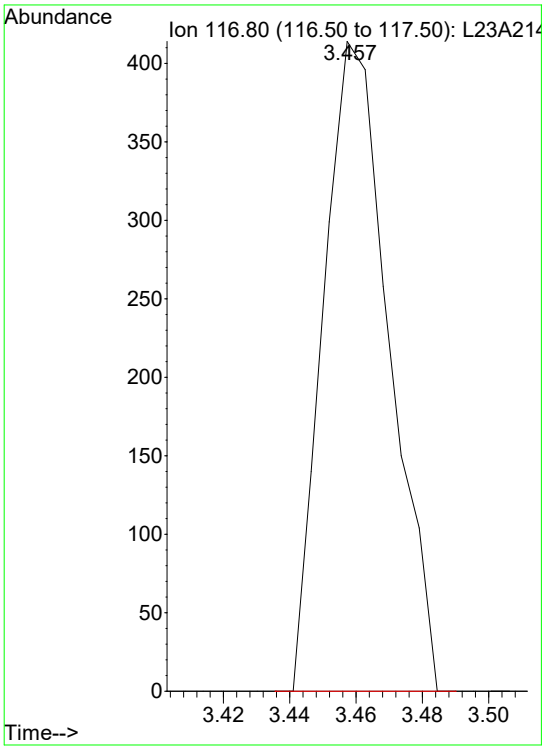
Manual Integration
BENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CARBON TETRACHLORIDE



Original Int. Results

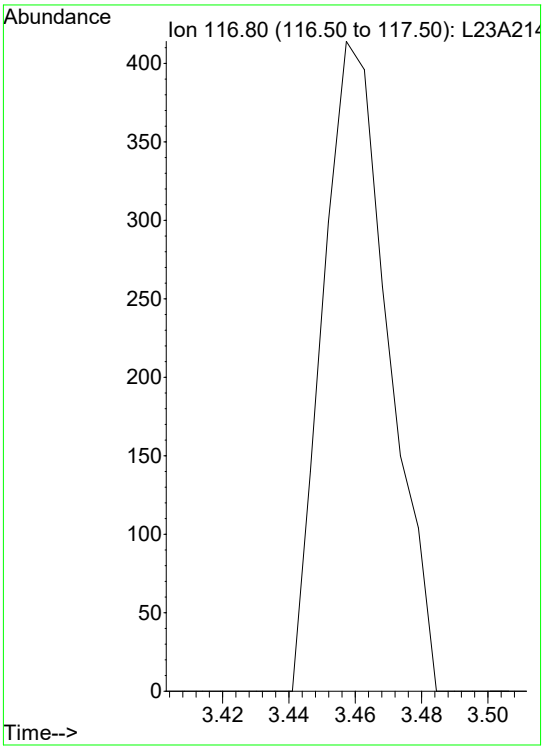
RT : 3.46
Area : 574
Amount: 0.0101925

Manual Int. Results

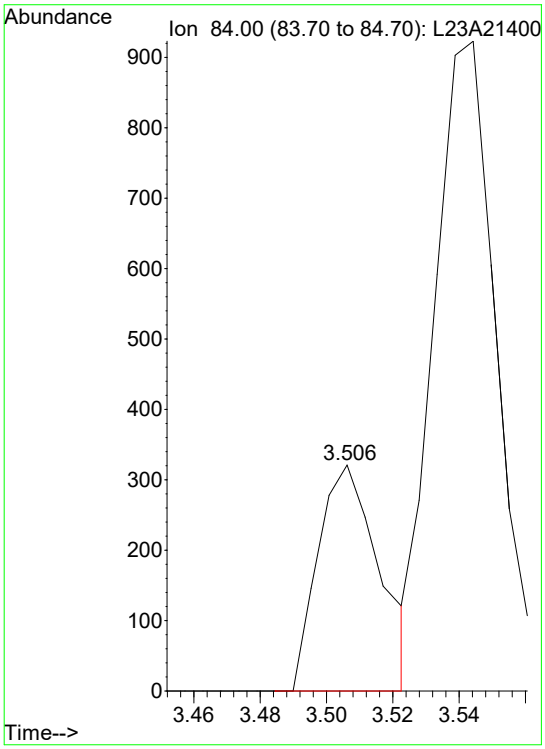
Thu Aug 03 10:41:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON TETRACHLORIDE



Original Integration
CYCLOHEXANE



Original Int. Results

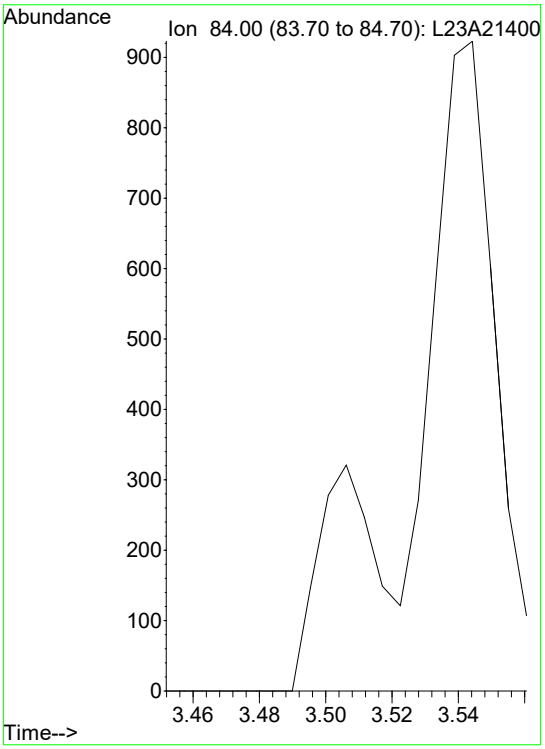
RT : 3.51
Area : 411
Amount: 0.0122836

Manual Int. Results

Thu Aug 03 10:41:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

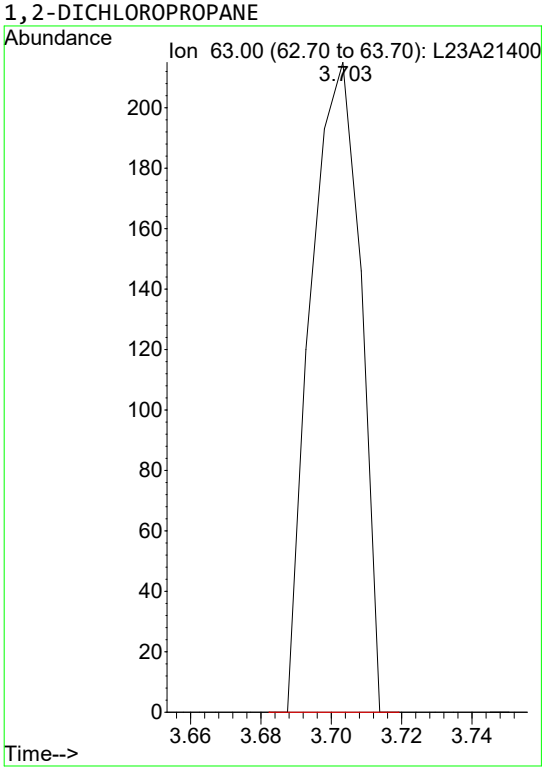
Manual Integration
CYCLOHEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

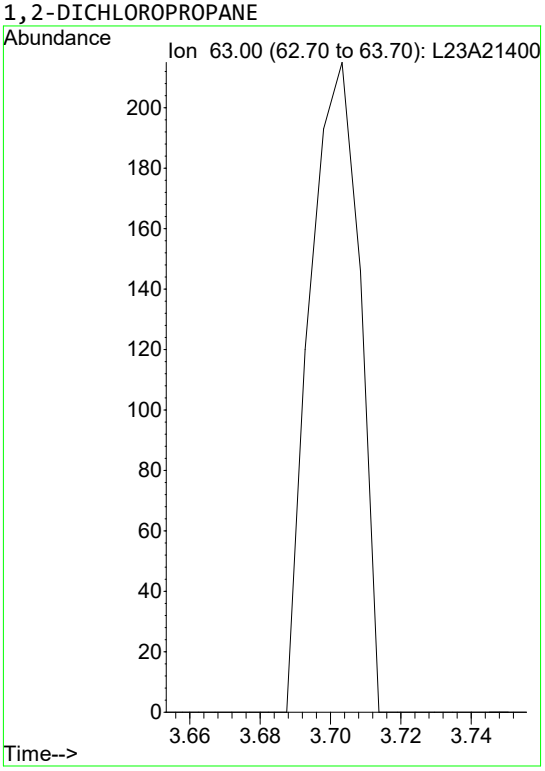
RT : 3.70
Area : 212
Amount: 0.00730632

Manual Int. Results

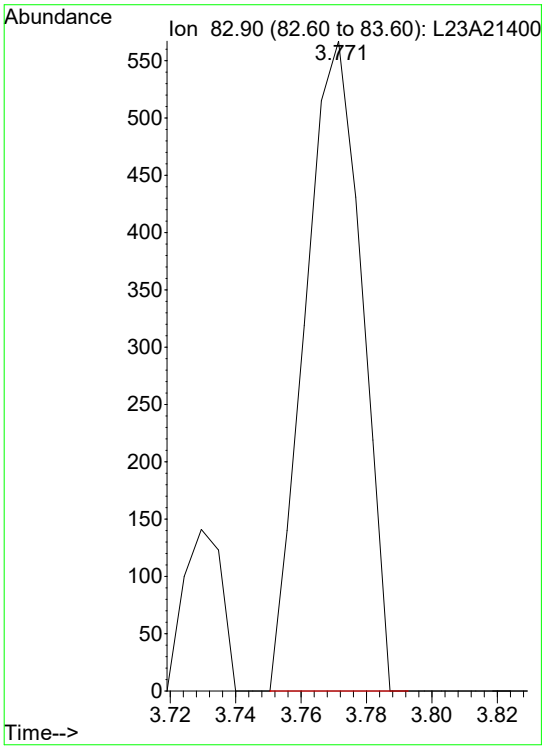
Thu Aug 03 10:41:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

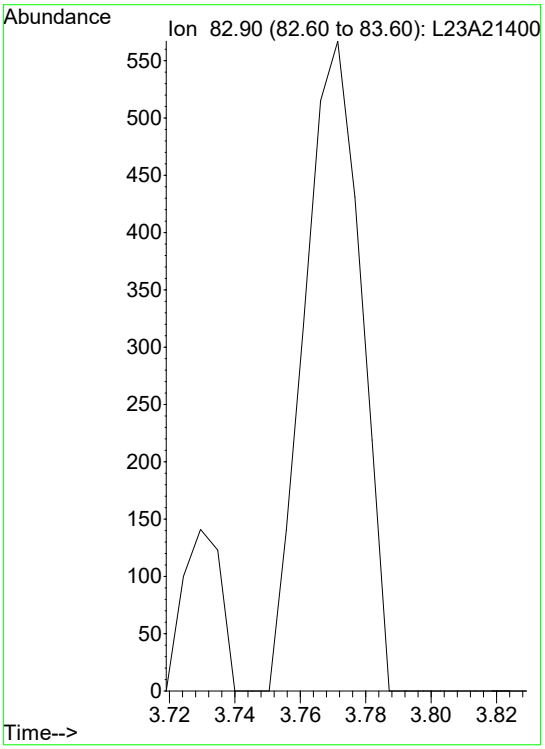
RT : 3.77
Area : 689
Amount: 0.011667

Manual Int. Results

Thu Aug 03 10:41:48 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

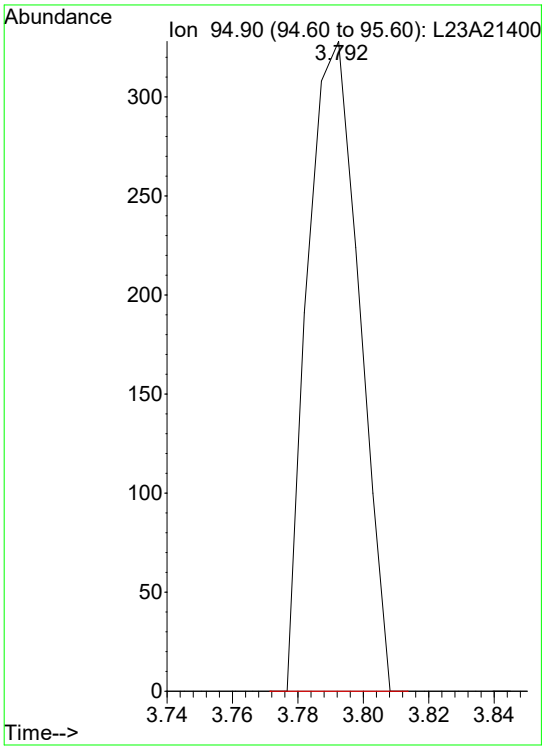
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROETHENE



Original Int. Results

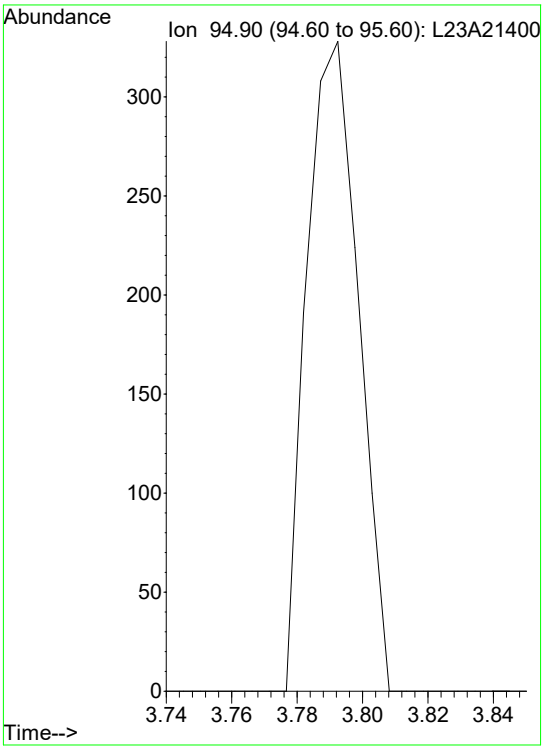
RT : 3.79
Area : 362
Amount: 0.00979818

Manual Int. Results

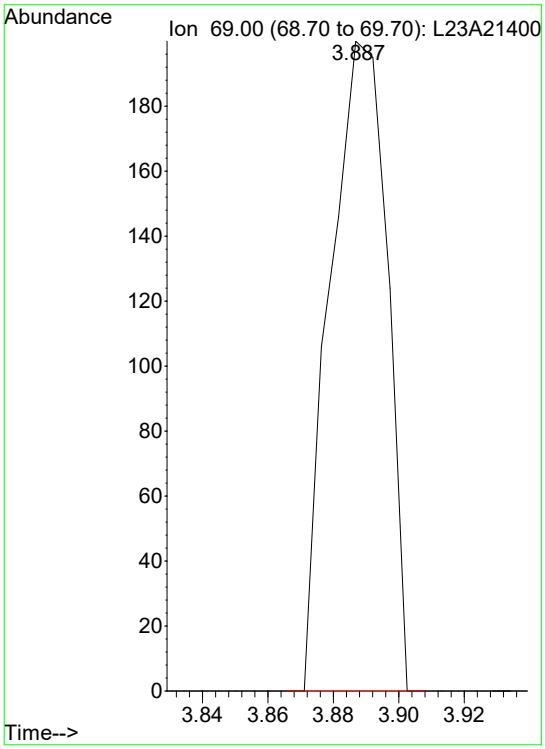
Thu Aug 03 10:41:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROETHENE



Original Integration
METHYLMETHACRYLATE



Original Int. Results

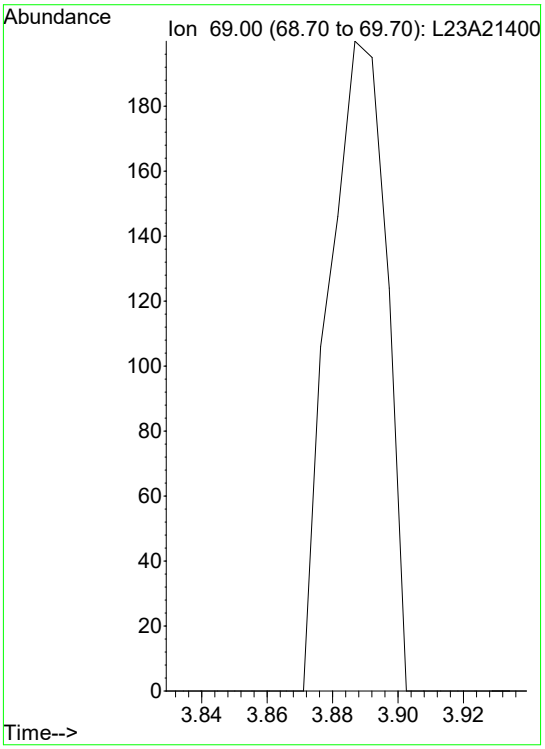
RT : 3.89
Area : 243
Amount: 0.0086349

Manual Int. Results

Thu Aug 03 10:41:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

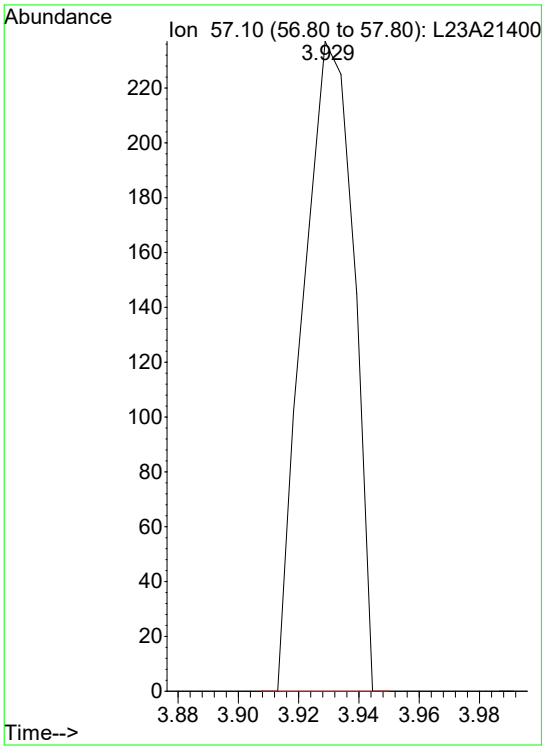
Manual Integration
METHYLMETHACRYLATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEPTANE



Original Int. Results

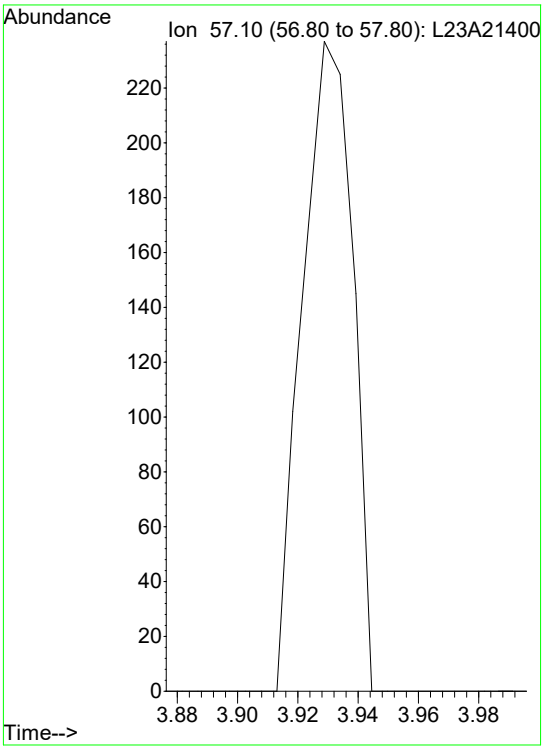
RT : 3.93
Area : 277
Amount: 0.00755533

Manual Int. Results

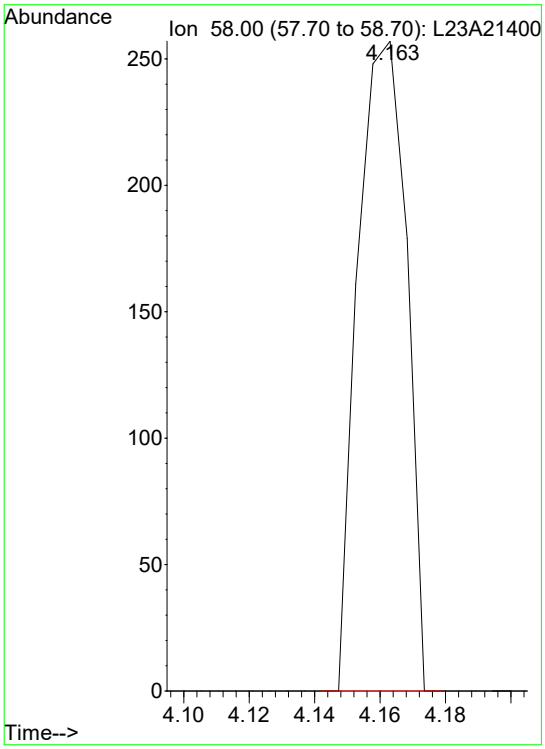
Thu Aug 03 10:41:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEPTANE



Original Integration
MIBK



Original Int. Results

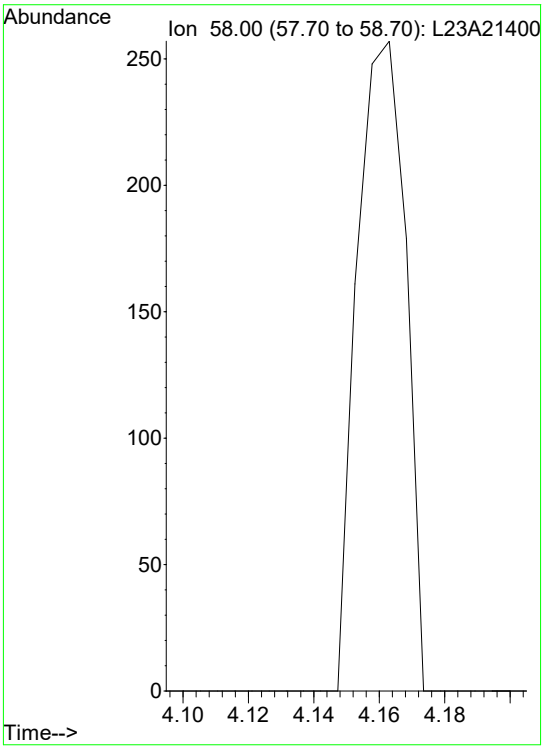
RT : 4.16
Area : 266
Amount: 0.00917646

Manual Int. Results

Thu Aug 03 10:41:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

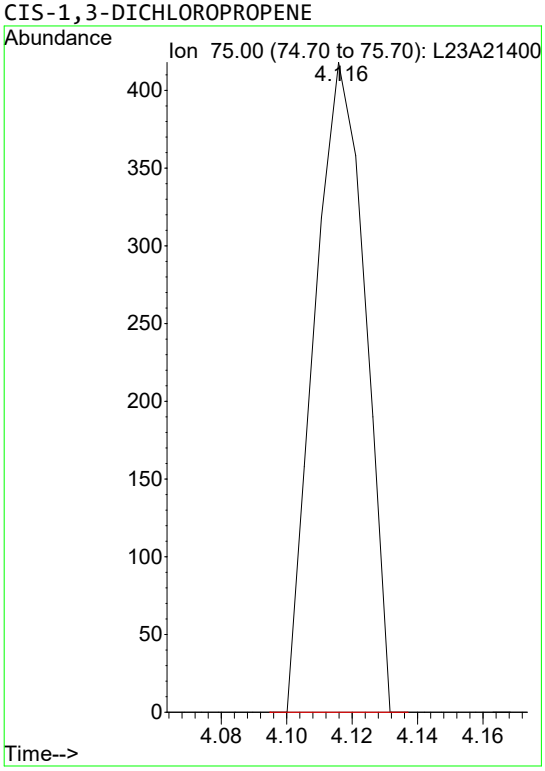
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,3-DICHLOROPROPENE



Original Int. Results

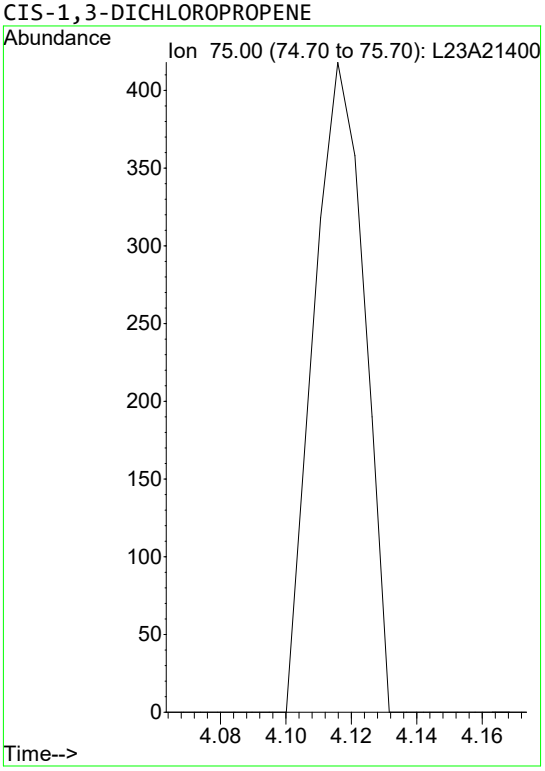
RT : 4.12
Area : 454
Amount: 0.0103944

Manual Int. Results

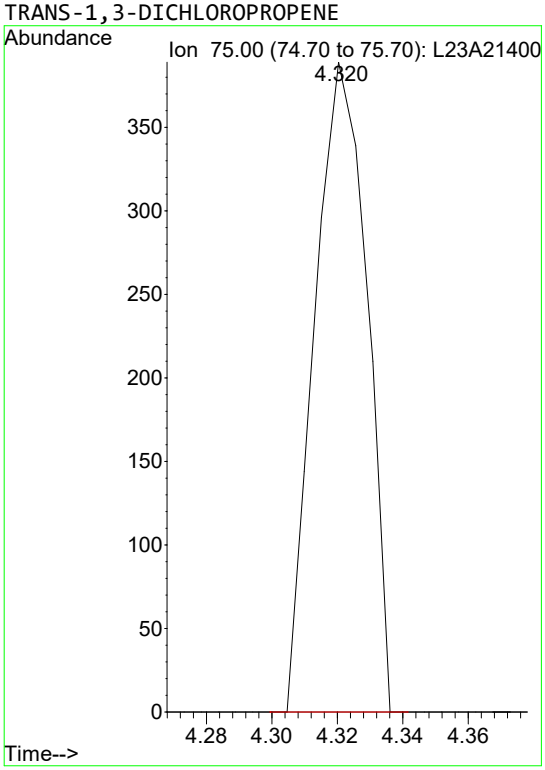
Thu Aug 03 10:41:41 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,3-DICHLOROPROPENE



Original Integration
TRANS-1,3-DICHLOROPROPENE



Original Int. Results

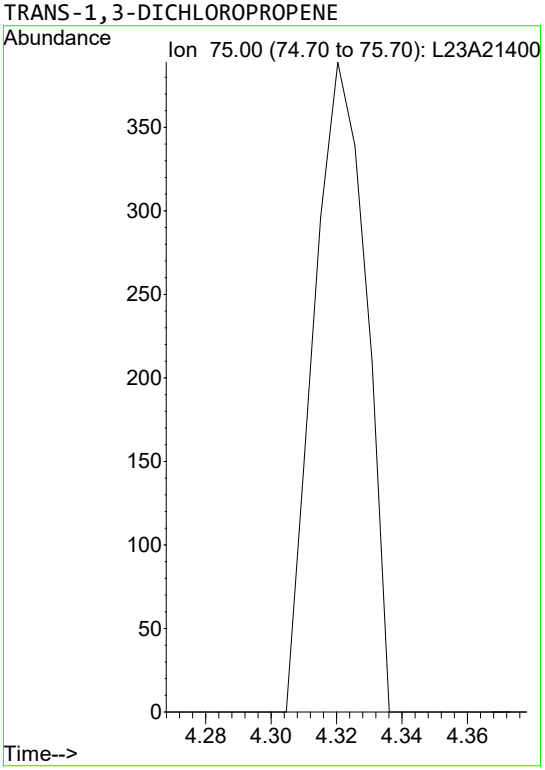
RT : 4.32
Area : 434
Amount: 0.0112793

Manual Int. Results

Thu Aug 03 10:41:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

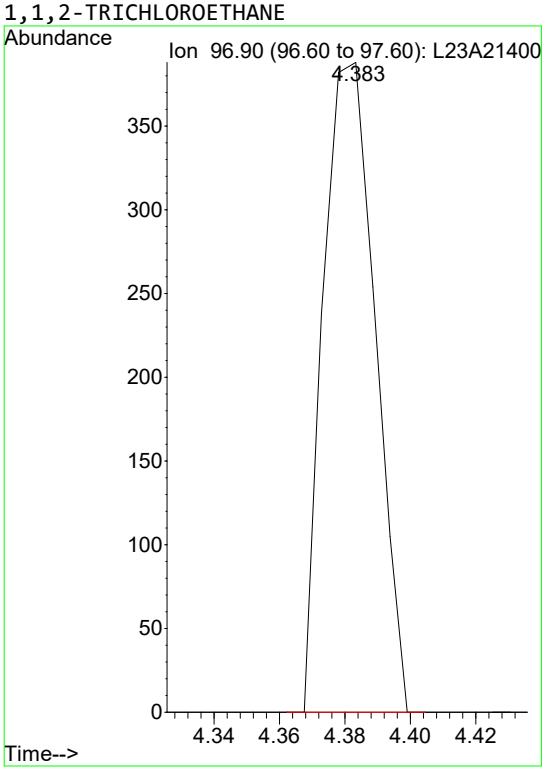
Manual Integration
TRANS-1,3-DICHLOROPROPENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

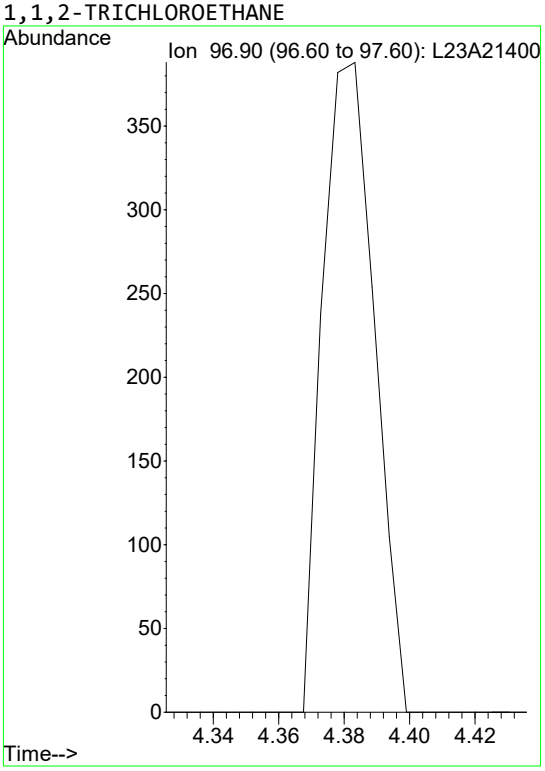
RT : 4.38
Area : 430
Amount: 0.0138939

Manual Int. Results

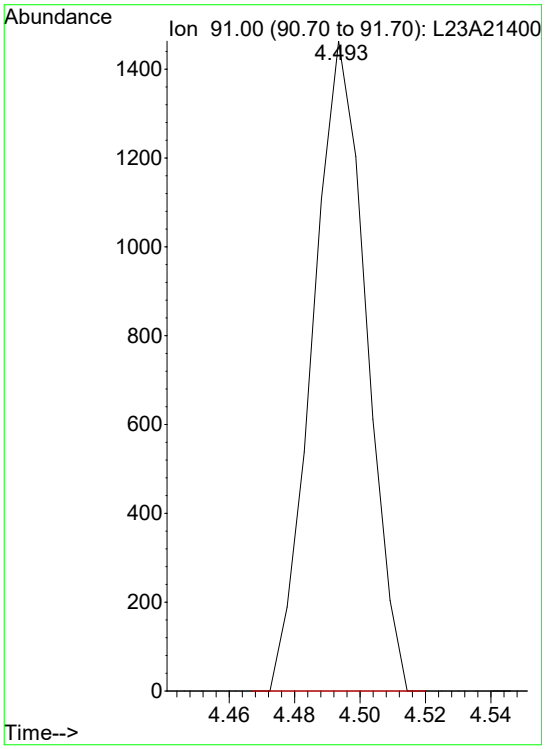
Thu Aug 03 10:41:38 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TOLUENE



Original Int. Results

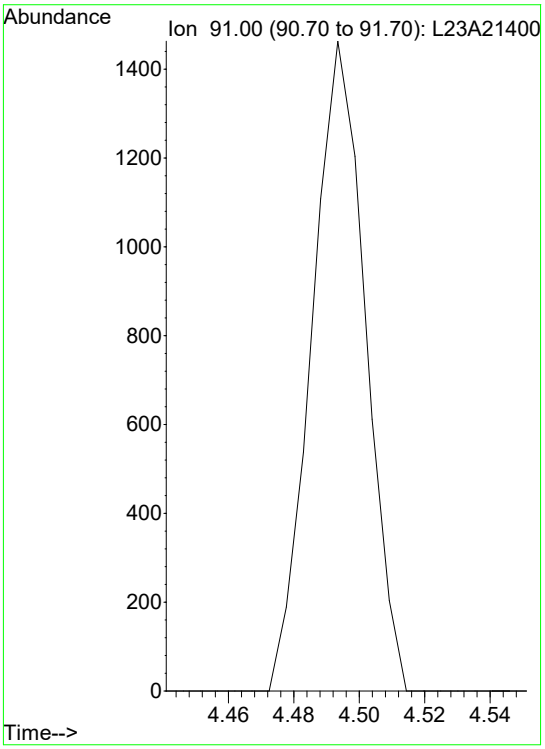
RT : 4.49
Area : 1674
Amount: 0.0170409

Manual Int. Results

Thu Aug 03 10:41:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

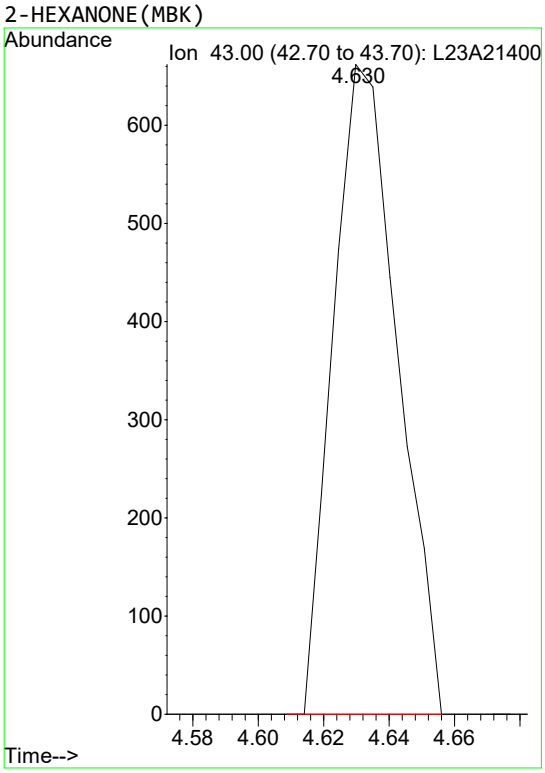
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

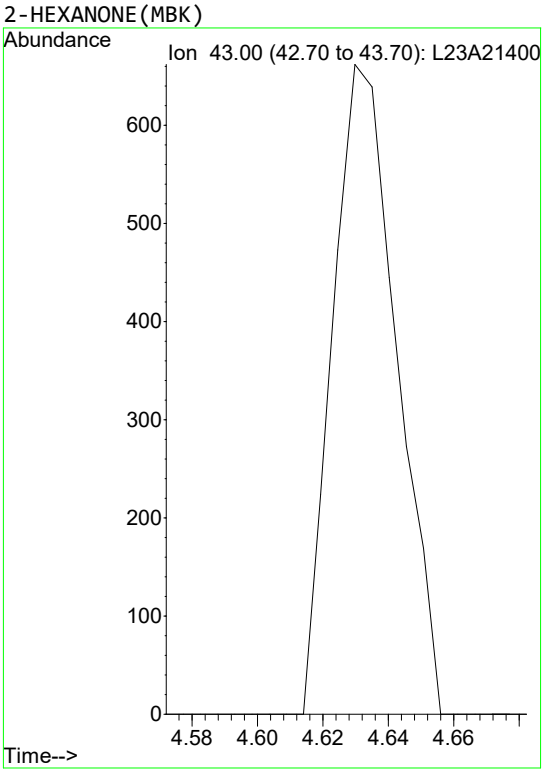
RT : 4.63
Area : 908
Amount: 0.013598

Manual Int. Results

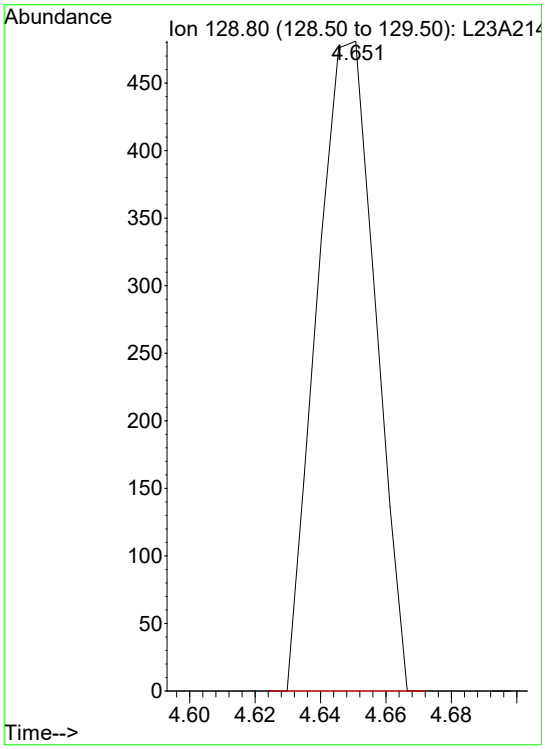
Thu Aug 03 10:41:34 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

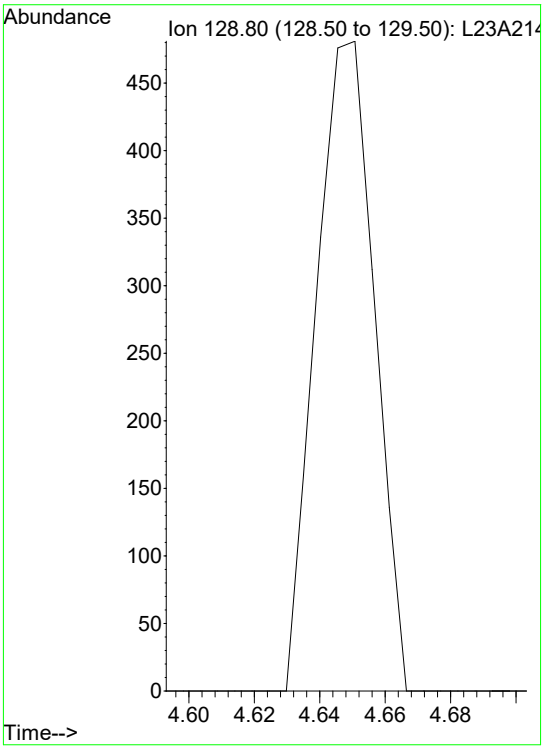
RT : 4.65
Area : 598
Amount: 0.0105911

Manual Int. Results

Thu Aug 03 10:41:31 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

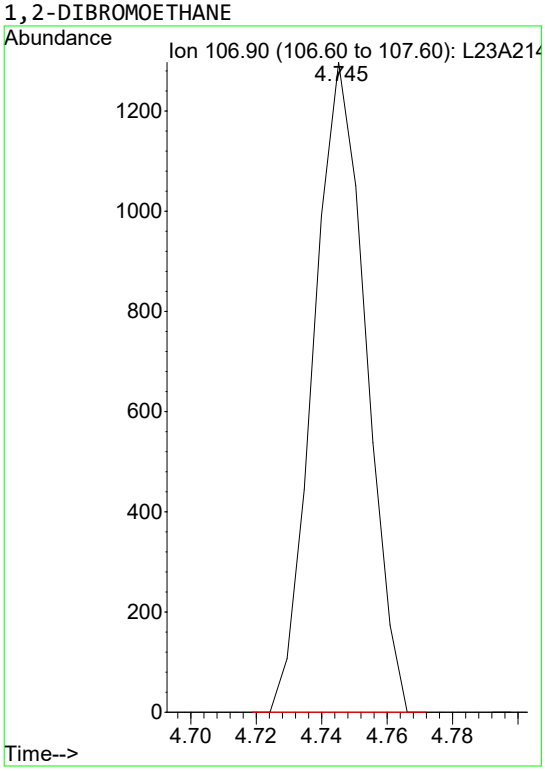
Manual Integration
DIBROMOCHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DIBROMOETHANE



Original Int. Results

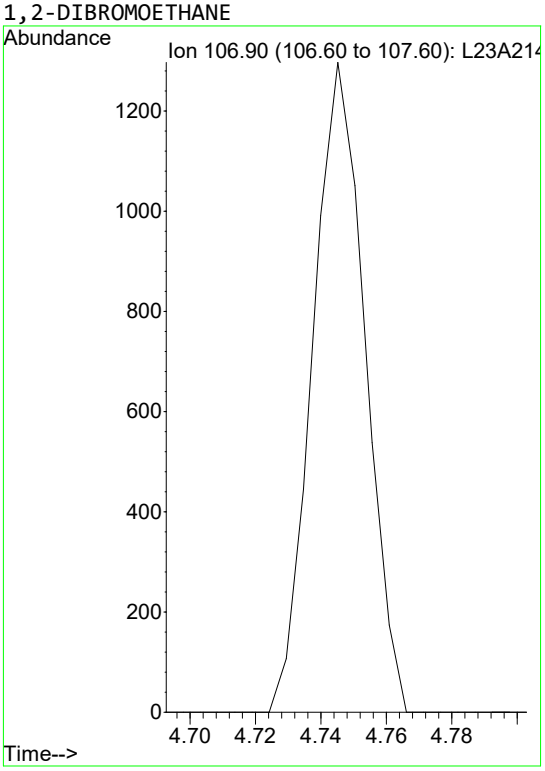
RT : 4.75
Area : 1448
Amount: 0.0271537

Manual Int. Results

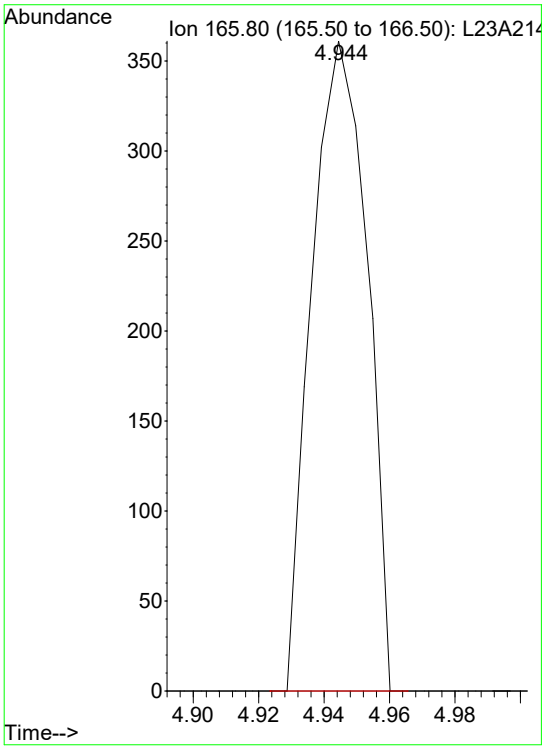
Thu Aug 03 10:41:30 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DIBROMOETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

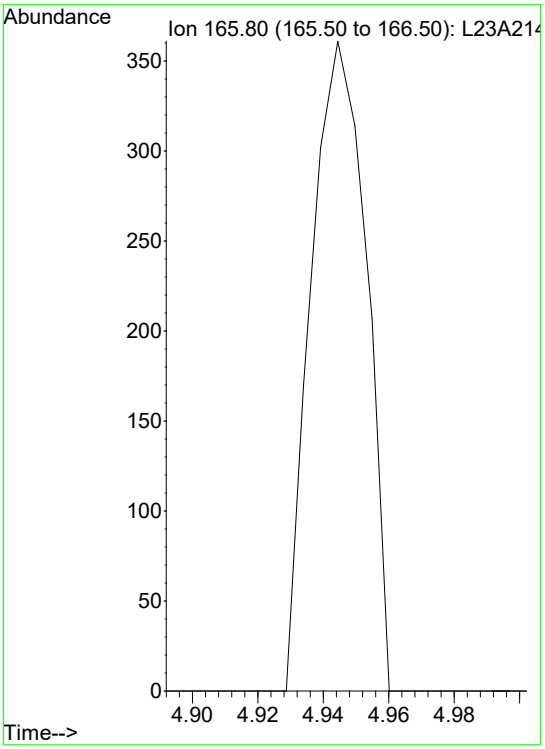
RT : 4.94
Area : 426
Amount: 0.0100973

Manual Int. Results

Thu Aug 03 10:41:23 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

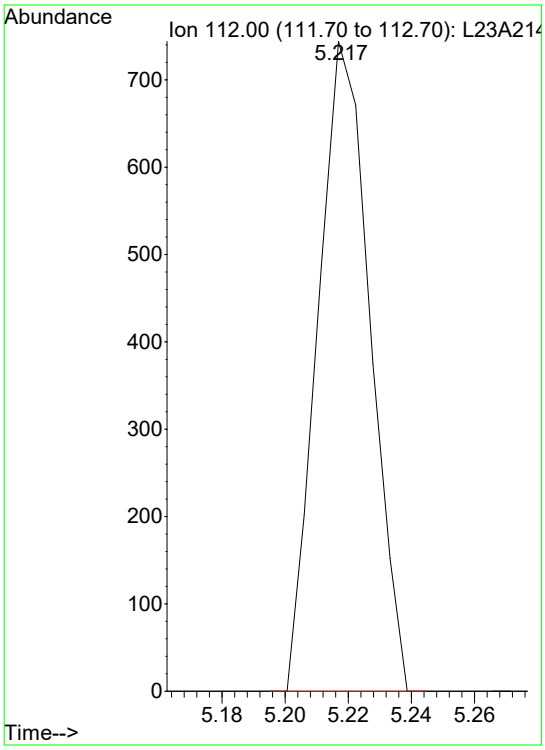
Manual Integration
TETRACHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROBENZENE



Original Int. Results

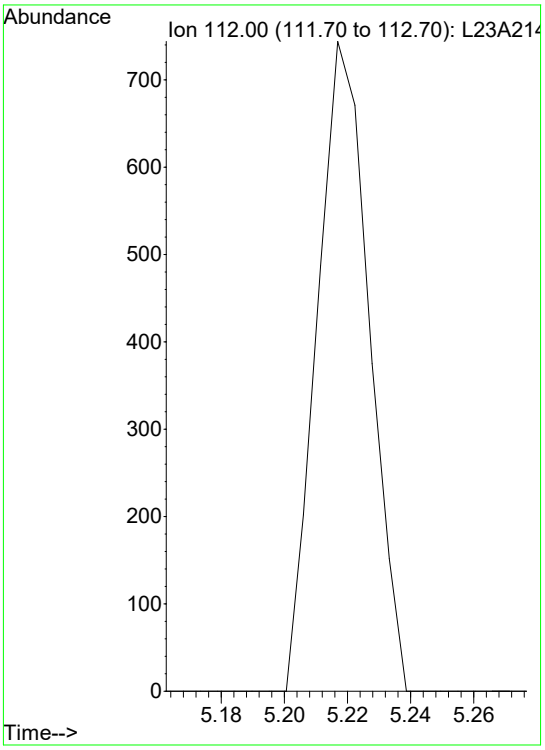
RT : 5.22
Area : 858
Amount: 0.0118629

Manual Int. Results

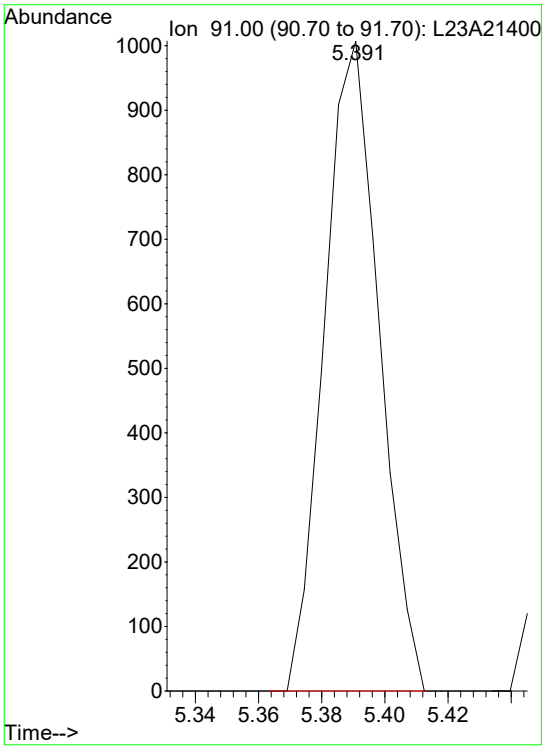
Thu Aug 03 10:41:22 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
ETHYLBENZENE



Original Int. Results

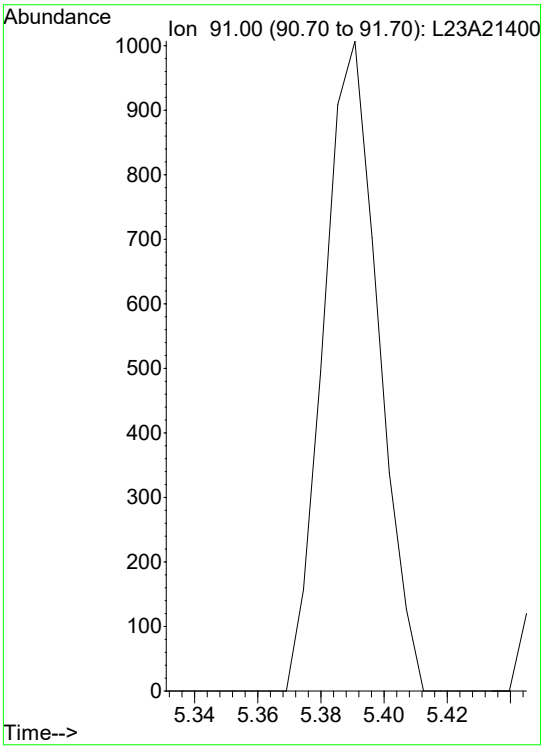
RT : 5.39
Area : 1217
Amount: 0.01014

Manual Int. Results

Thu Aug 03 10:41:20 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

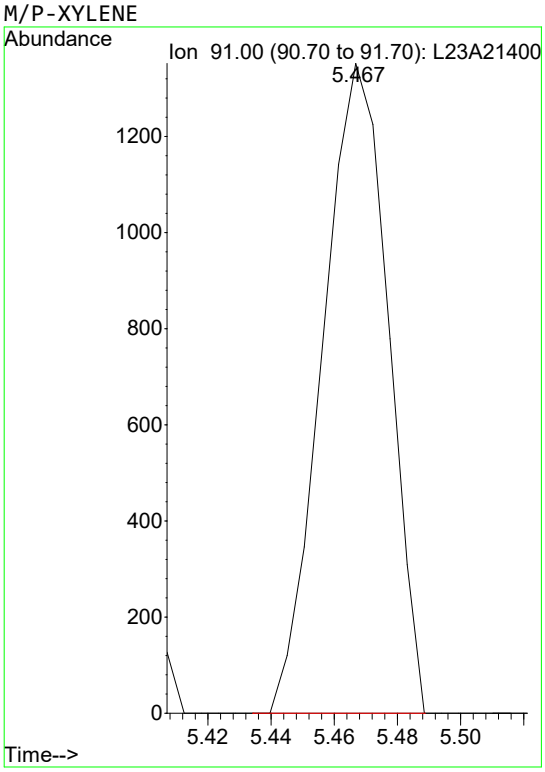
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
M/P-XYLENE



Original Int. Results

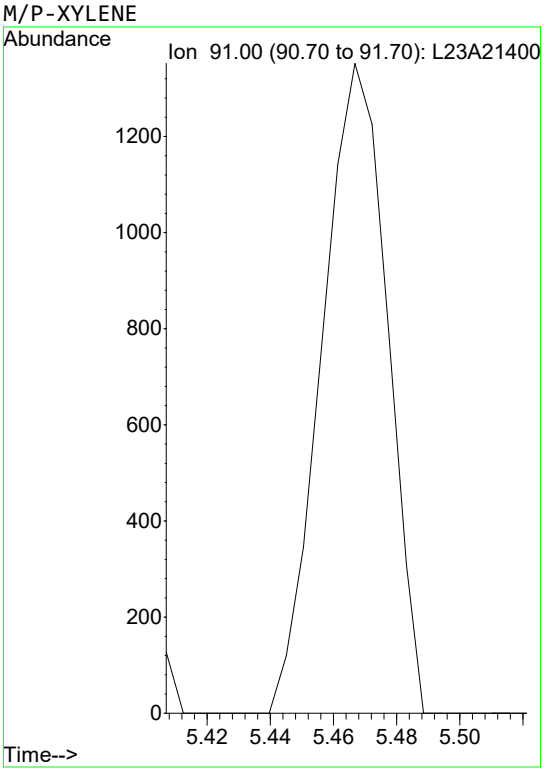
RT : 5.47
Area : 1959
Amount: 0.0201204

Manual Int. Results

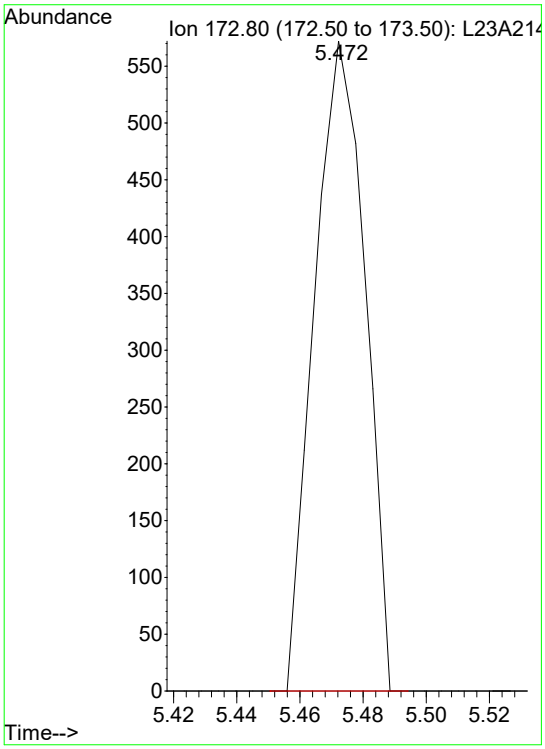
Thu Aug 03 10:41:17 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

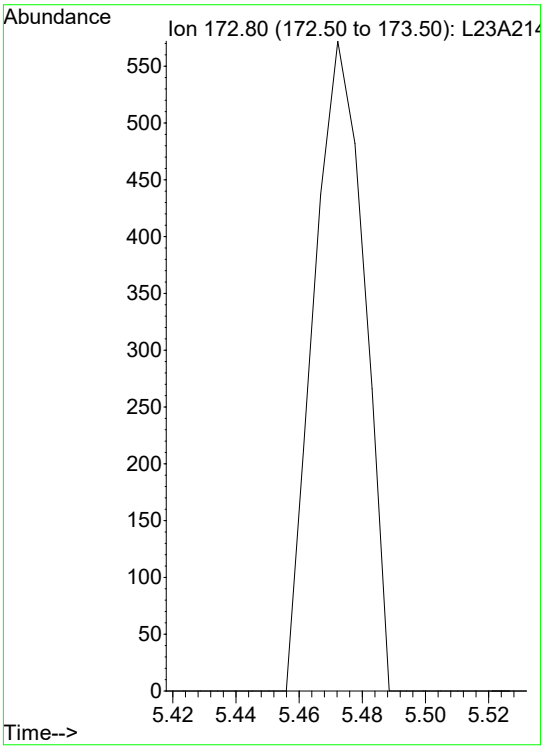
RT : 5.47
Area : 642
Amount: 0.0141098

Manual Int. Results

Thu Aug 03 10:41:12 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

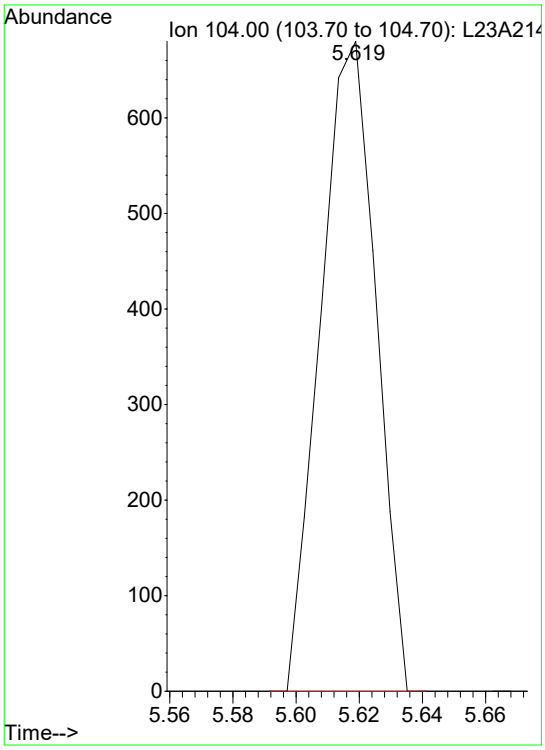
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
STYRENE



Original Int. Results

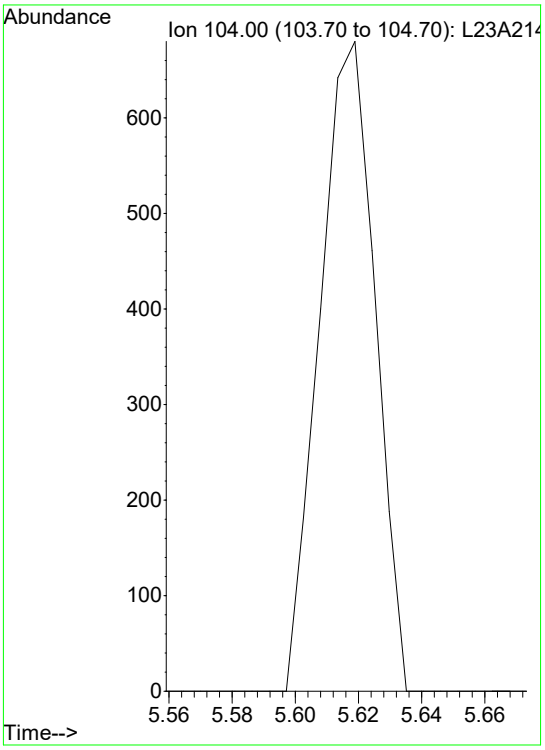
RT : 5.62
Area : 832
Amount: 0.0127737

Manual Int. Results

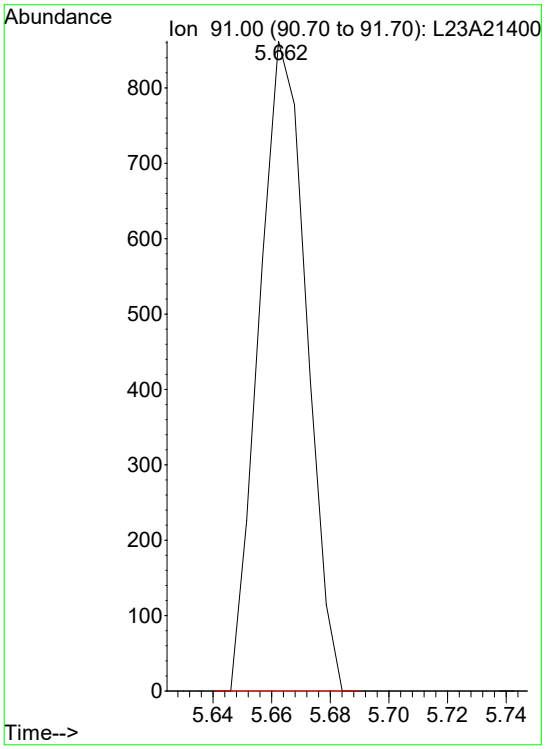
Thu Aug 03 10:41:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

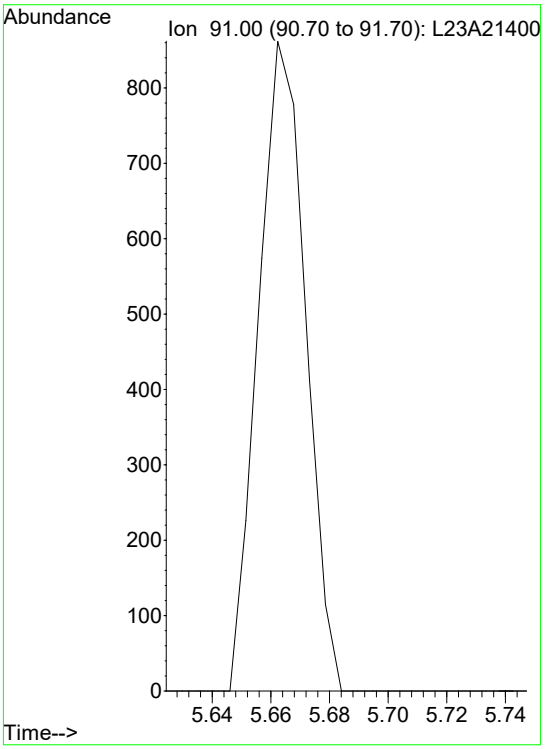
RT : 5.66
Area : 967
Amount: 0.0103622

Manual Int. Results

Thu Aug 03 10:41:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

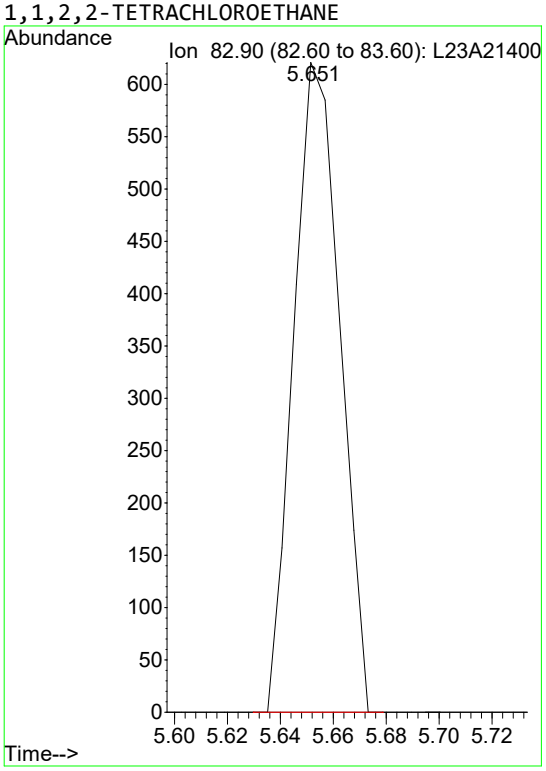
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

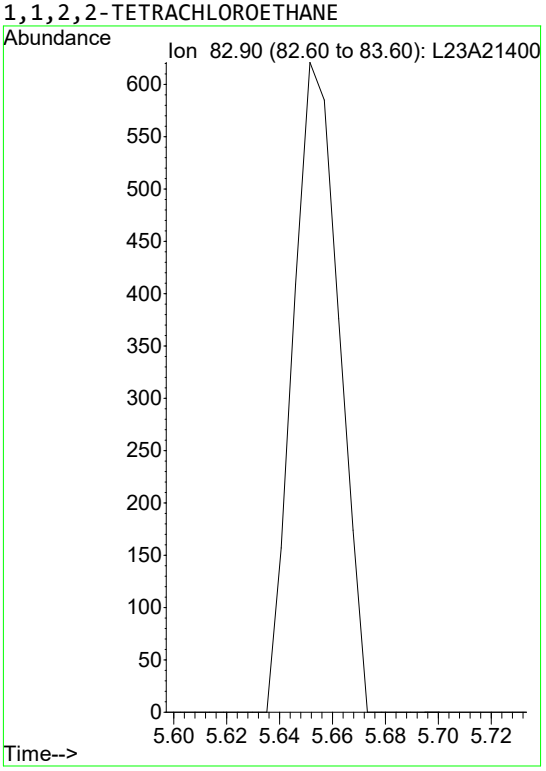
RT : 5.65
Area : 757
Amount: 0.0117349

Manual Int. Results

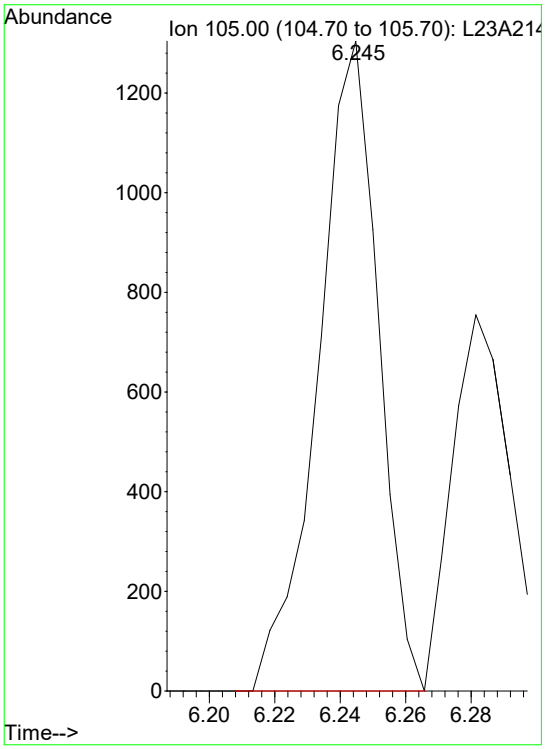
Thu Aug 03 10:41:04 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

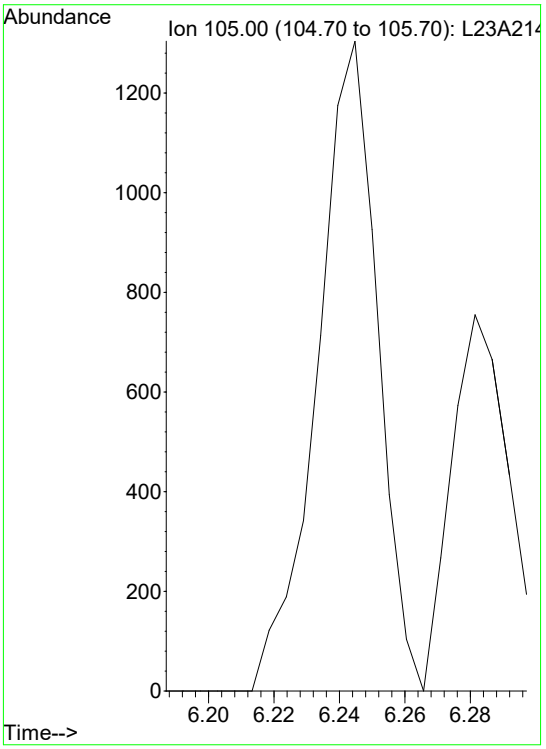
RT : 6.24
Area : 1657
Amount: 0.0134583

Manual Int. Results

Thu Aug 03 10:41:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

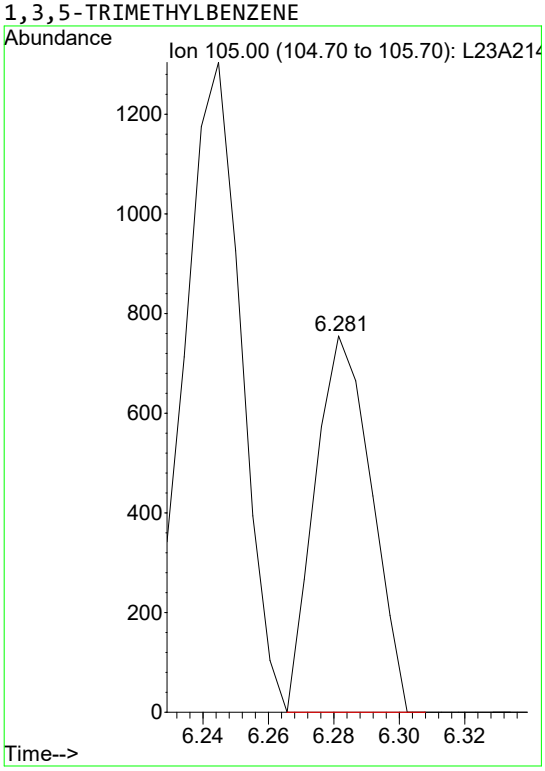
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

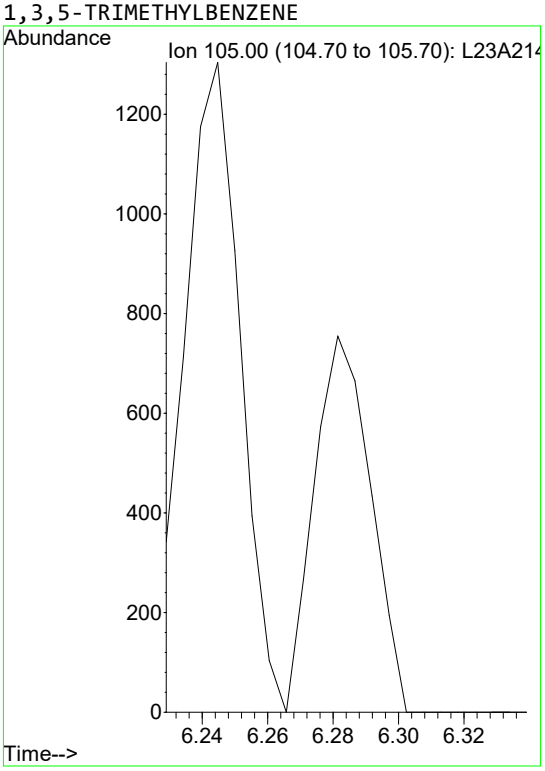
RT : 6.28
Area : 908
Amount: 0.00900898

Manual Int. Results

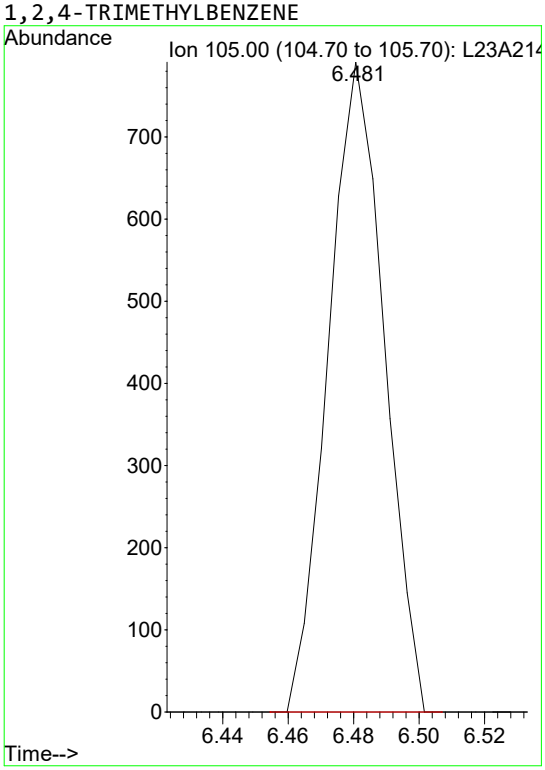
Thu Aug 03 10:41:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

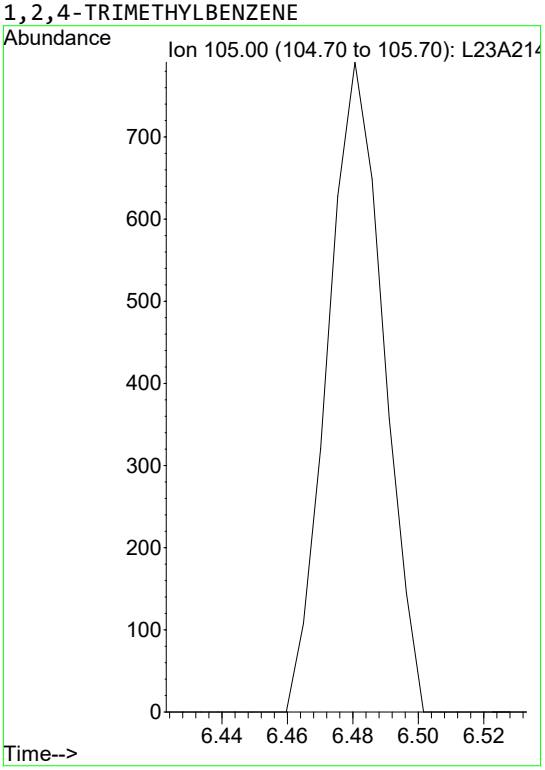
RT : 6.48
Area : 943
Amount: 0.00958647

Manual Int. Results

Thu Aug 03 10:40:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

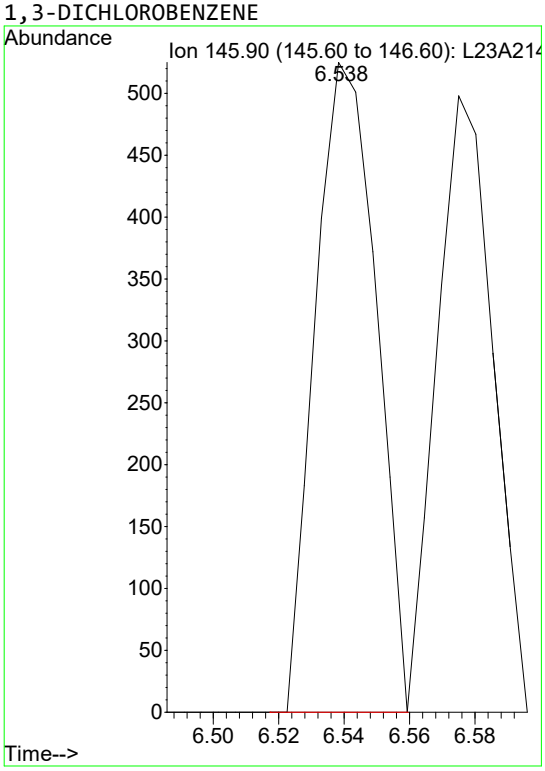
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

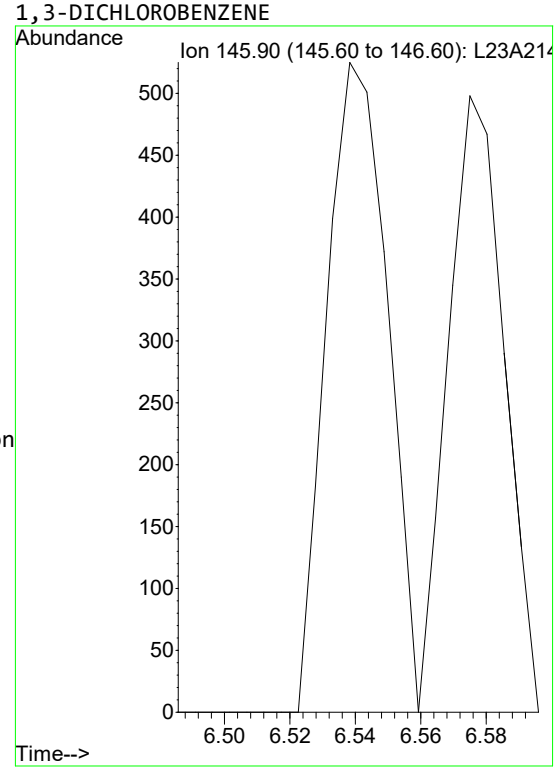
RT : 6.54
Area : 683
Amount: 0.0122031

Manual Int. Results

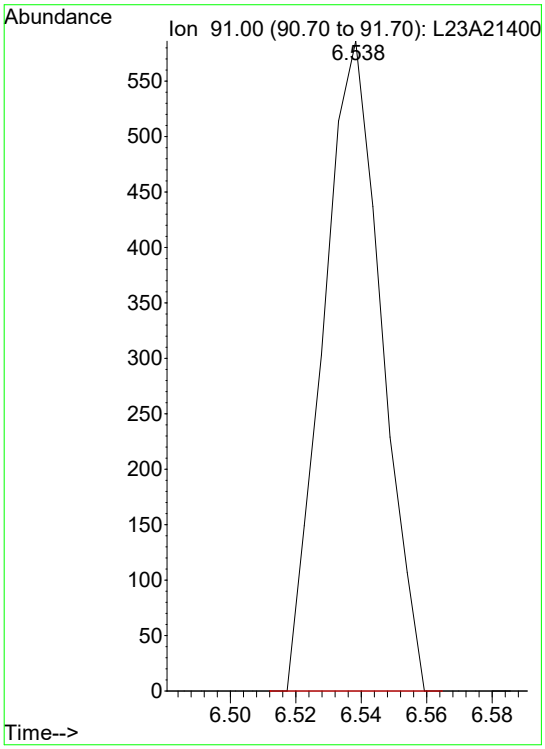
Thu Aug 03 10:40:55 2023

MIuser: CMR
Reason: Incorret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

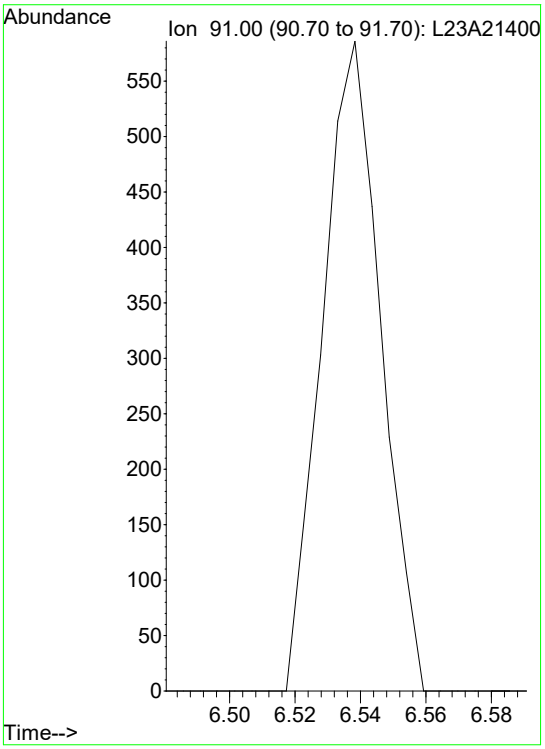
RT : 6.54
Area : 731
Amount: 0.0135404

Manual Int. Results

Thu Aug 03 10:40:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

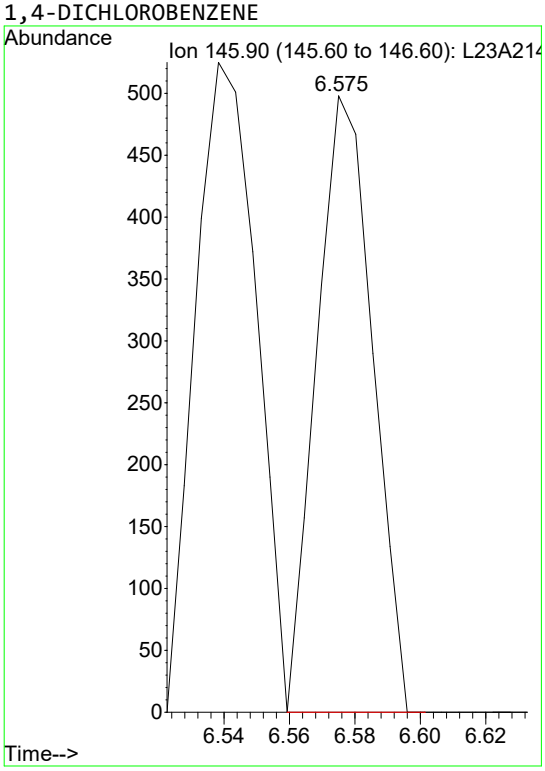
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

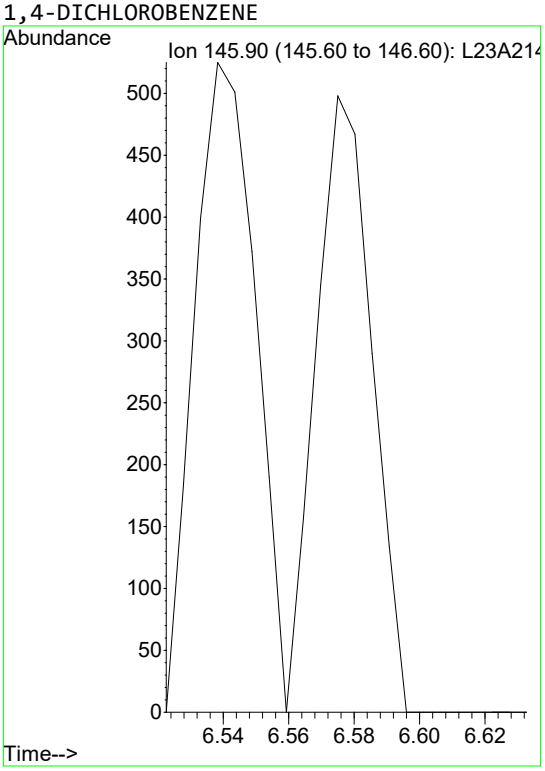
RT : 6.58
Area : 595
Amount: 0.0116016

Manual Int. Results

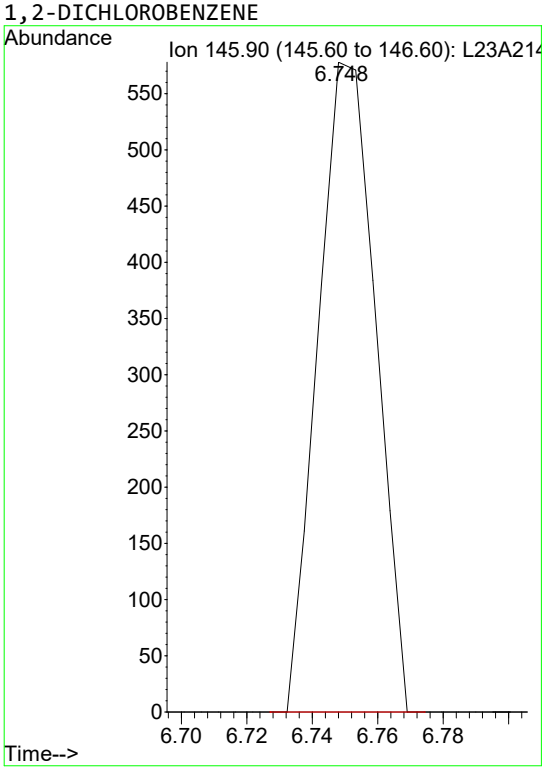
Thu Aug 03 10:40:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DICHLOROBENZENE



Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

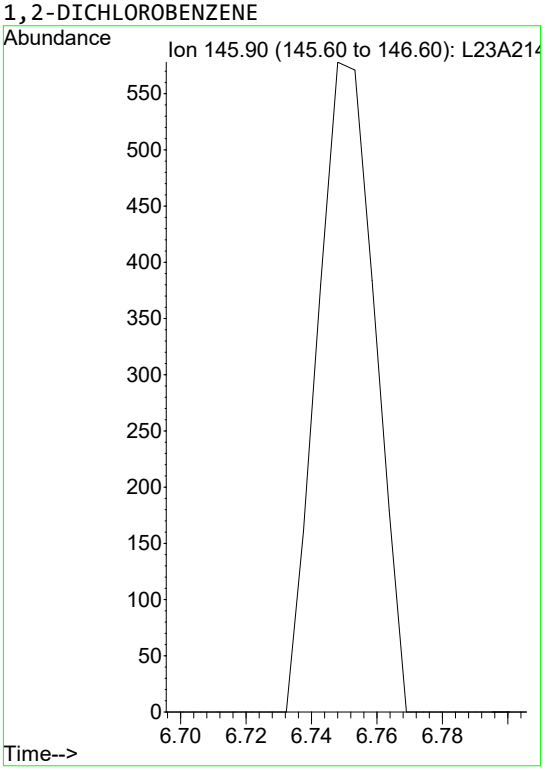
RT : 6.75
Area : 709
Amount: 0.0135187

Manual Int. Results

Thu Aug 03 10:40:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

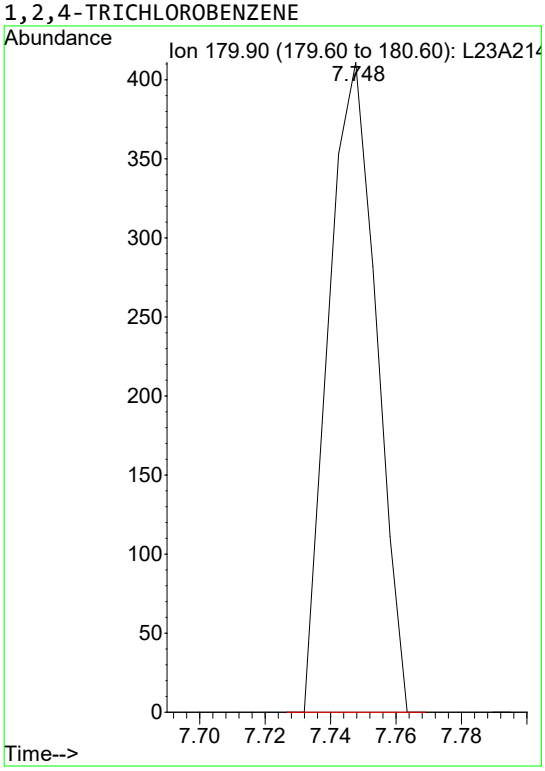
Manual Integration
1,2-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

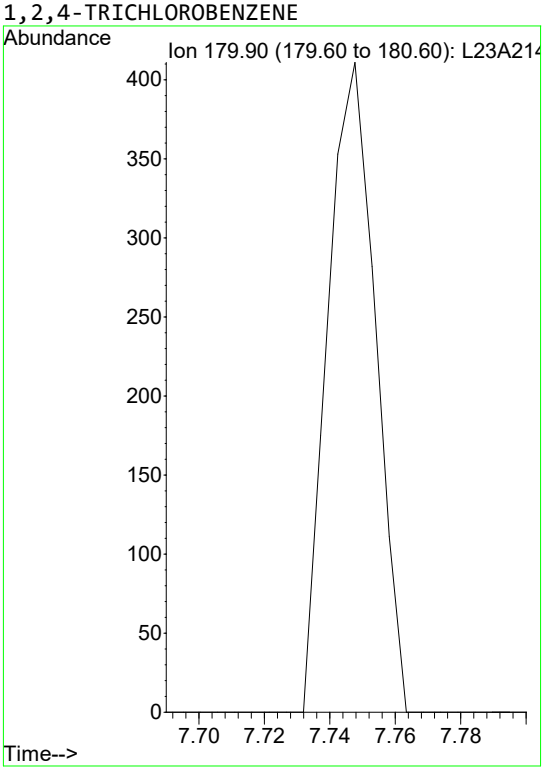
RT : 7.75
Area : 419
Amount: 0.0211794

Manual Int. Results

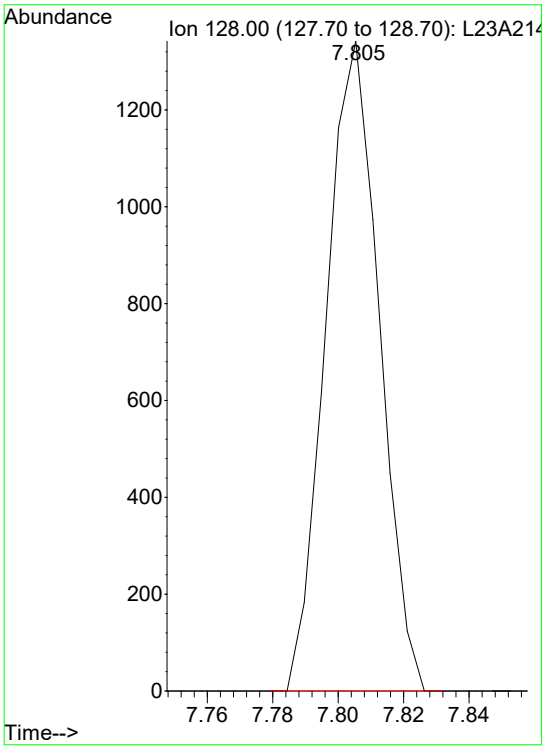
Thu Aug 03 10:40:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

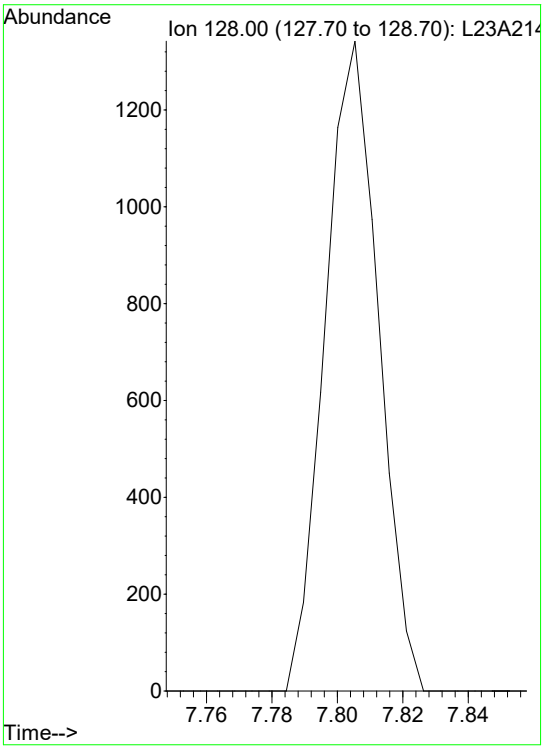
RT : 7.81
Area : 1527
Amount: 0.0315203

Manual Int. Results

Thu Aug 03 10:40:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

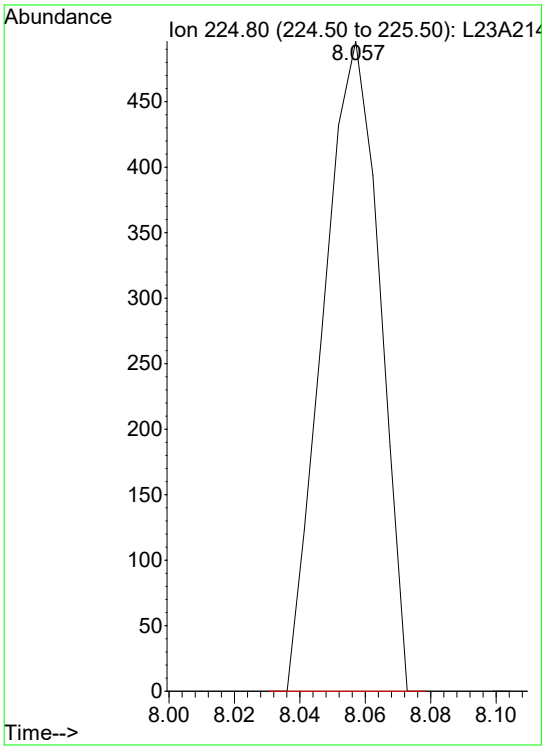
Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

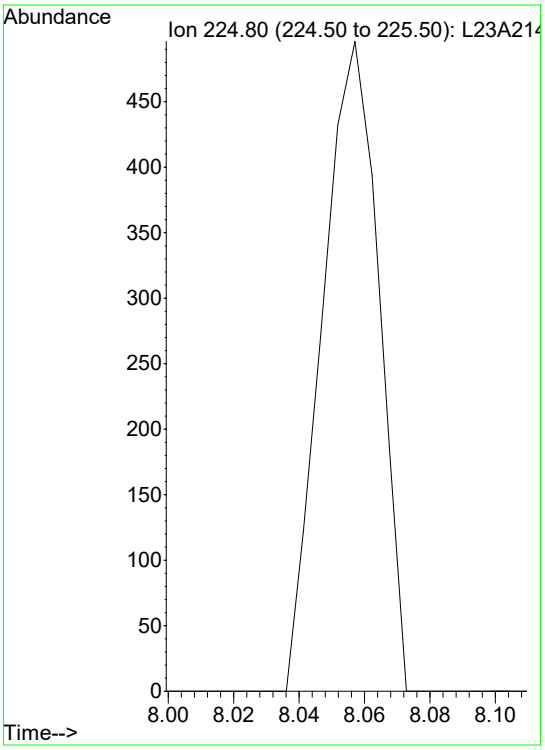
RT : 8.06
Area : 599
Amount: 0.0205648

Manual Int. Results

Thu Aug 03 10:40:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214006.D Vial: 2
Acq On : 02 Aug 2023 05:24 pm Operator: CMR
Sample : 0.020PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:28 2023

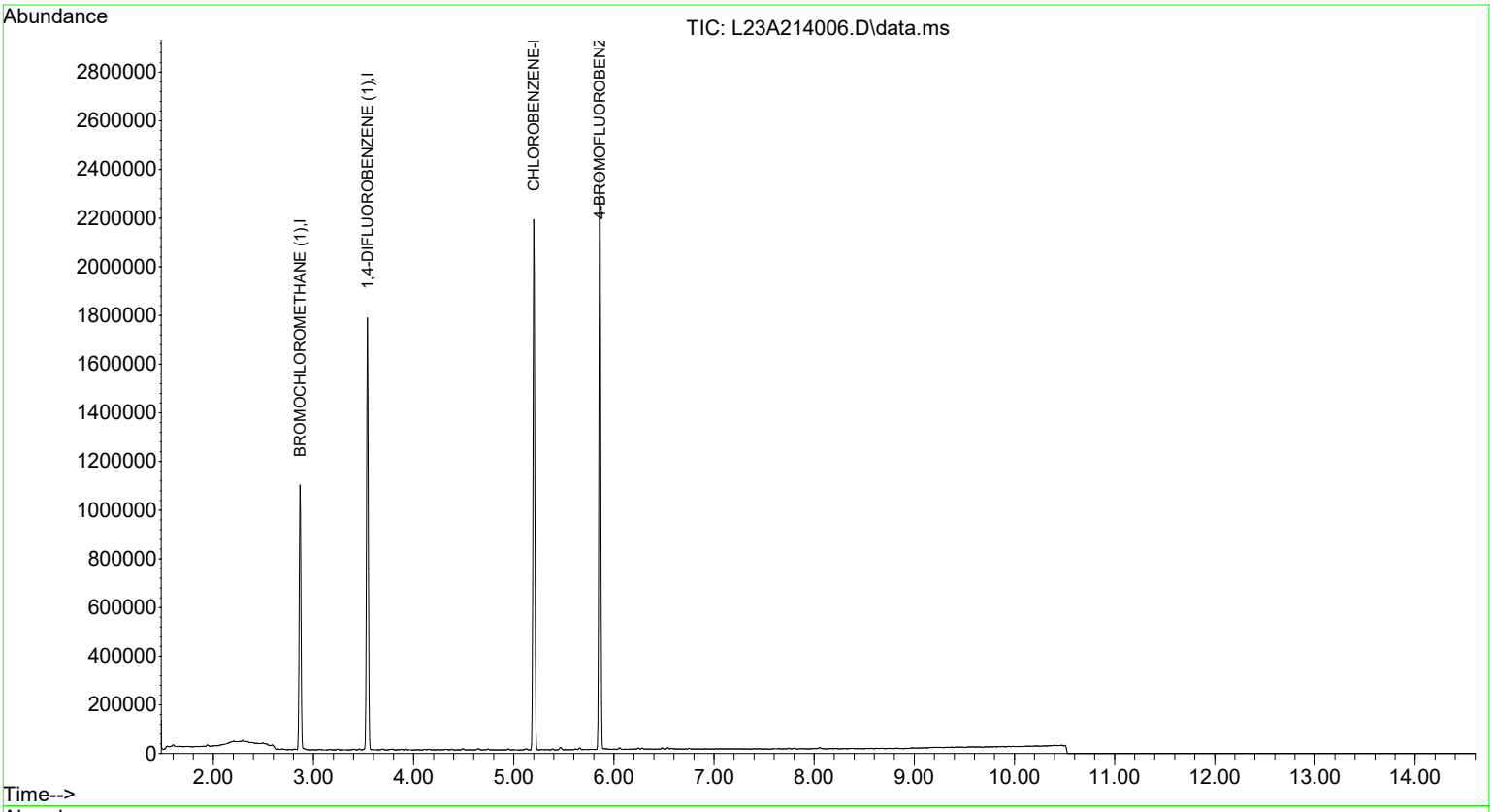
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214006.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

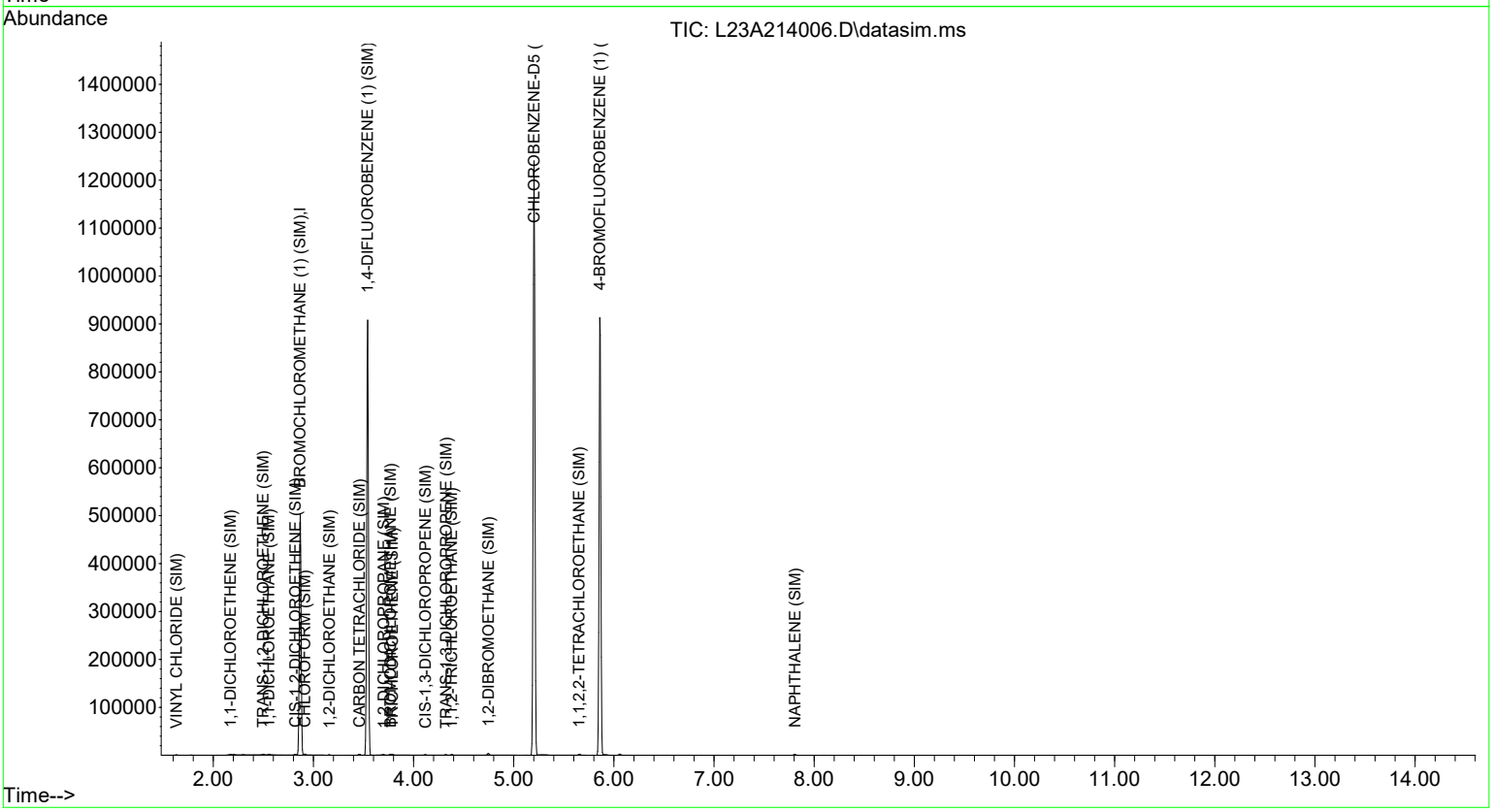
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	327917	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	895980	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	830108	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.868	49	358461	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	948479	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	921003	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.861	174	446368	7.977	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.75%			
88) 4-BROMOFLUOROBENZENE (...	5.859	174	465960	7.924	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.00%			
Target Compounds						Qvalue
70] VINYL CHLORIDE (SIM)	1.633	62	586	0.021	PPBV	96
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	931	0.020	PPBV	100
72] TRANS-1,2-DICHLOROETHE...	2.499	61	1027	0.022	PPBV	96
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	1236	0.022	PPBV	90
74] CIS-1,2-DICHLOROETHENE...	2.820	61	817	0.021	PPBV	99
75] CHLOROFORM (SIM)	2.912	83	1257	0.021	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	822	0.021	PPBV	98
78] CARBON TETRACHLORIDE (...	3.461	117	1248	0.021	PPBV	99
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	639	0.022	PPBV	100
80] BROMODICHLOROMETHANE (...	3.769	83	1337	0.021	PPBV	98
81] TRICHLOROETHENE (SIM)	3.790	95	776	0.021	PPBV	99
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	890	0.020	PPBV	97
83] TRANS-1,3-DICHLOROPROP...	4.323	75	910	0.024	PPBV	96
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	747	0.022	PPBV	95
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	2245	0.039	PPBV	97
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	1517	0.023	PPBV	100
89] NAPHTHALENE (SIM)	7.808	128	2163	0.043	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214006.D Vial: 2
Acq On : 02 Aug 2023 05:24 pm Operator: CMR
Sample : 0.020PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:28 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214006.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

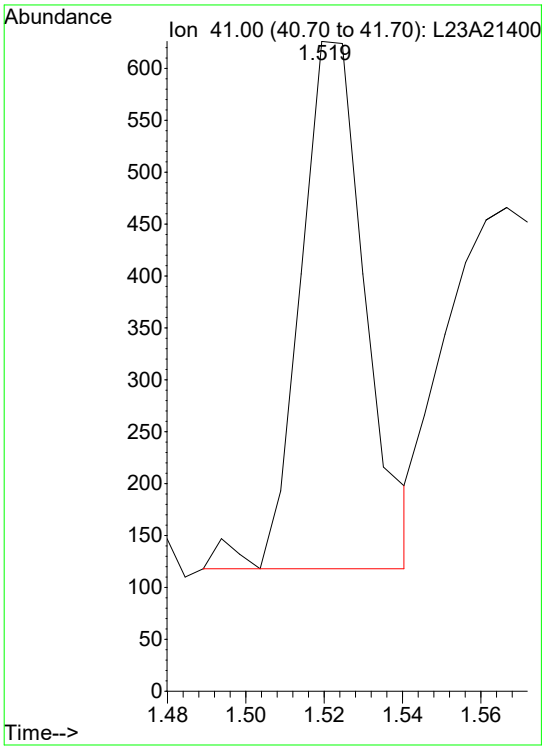




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

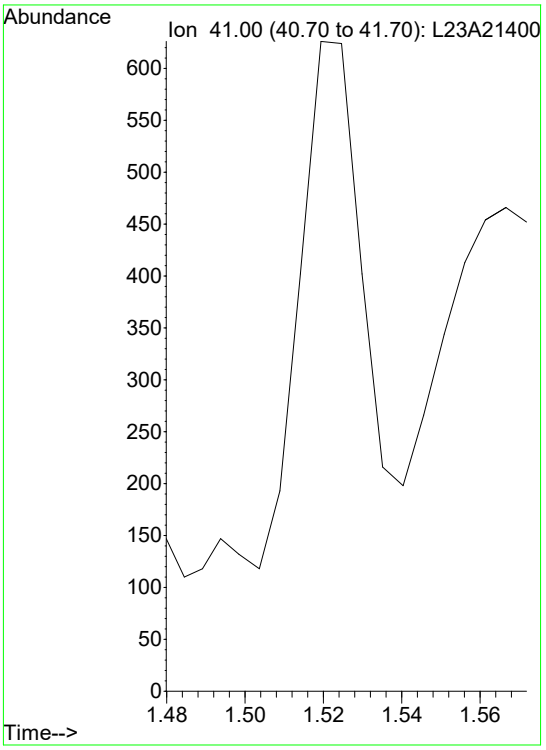
RT : 1.52
Area : 577
Amount: 0.0361468

Manual Int. Results

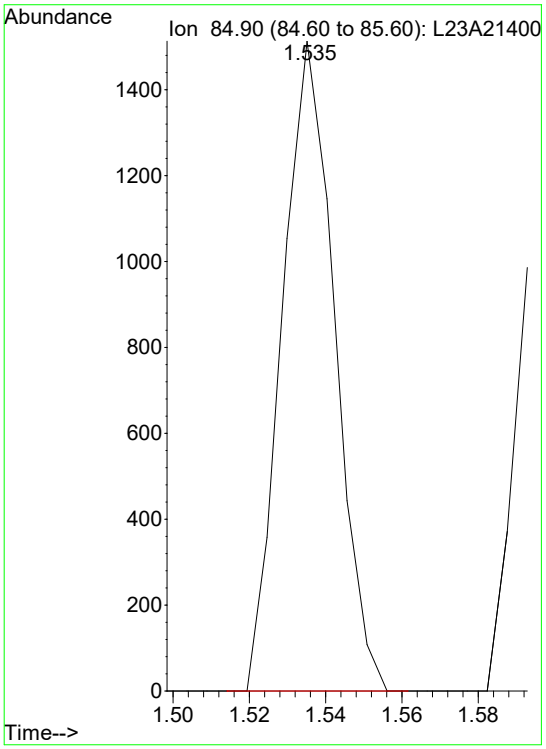
Thu Aug 03 10:29:22 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

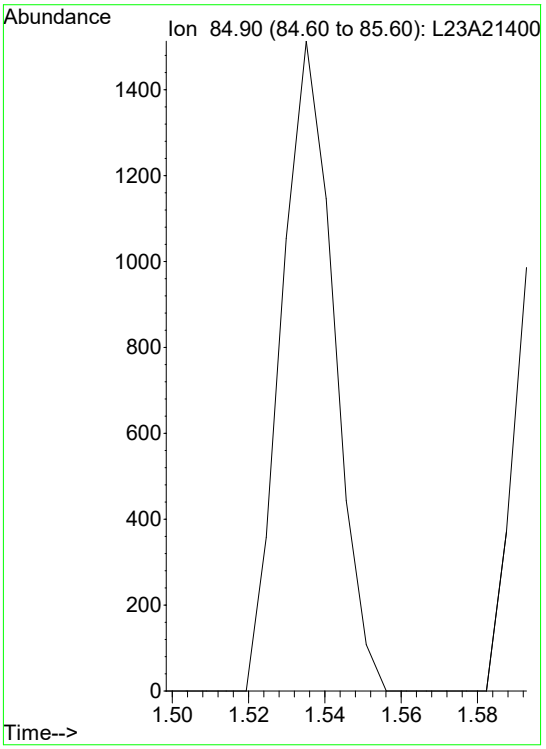
RT : 1.54
Area : 1455
Amount: 0.021972

Manual Int. Results

Thu Aug 03 10:33:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

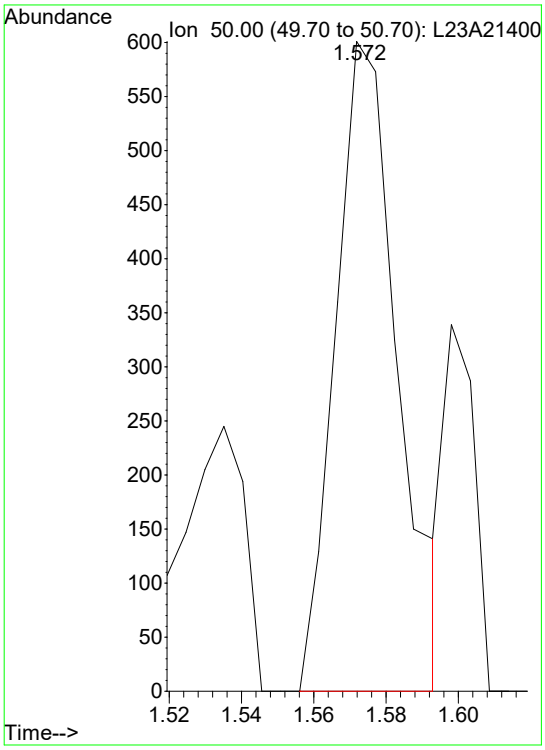
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROMETHANE



Original Int. Results

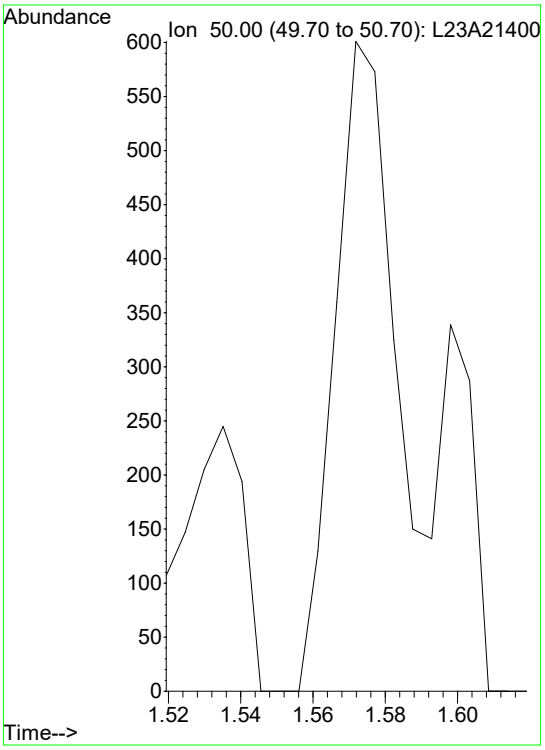
RT : 1.57
Area : 718
Amount: 0.0287304

Manual Int. Results

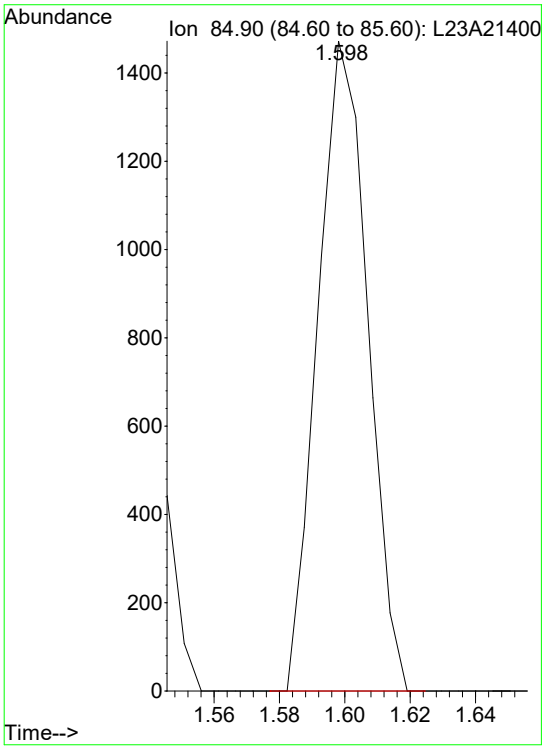
Thu Aug 03 10:32:58 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

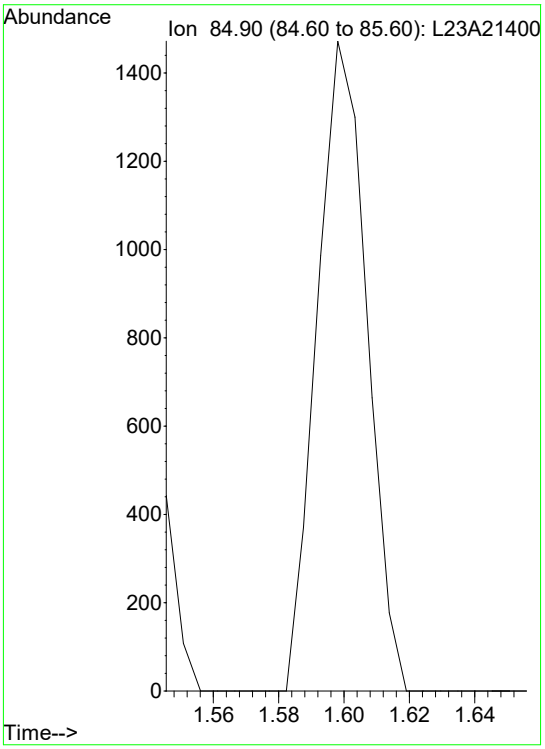
RT : 1.60
Area : 1565
Amount: 0.0234918

Manual Int. Results

Thu Aug 03 10:32:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

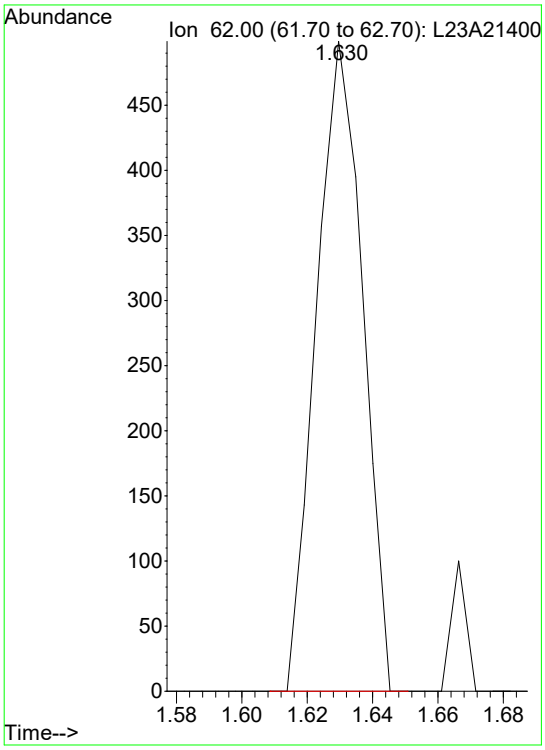
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL CHLORIDE



Original Int. Results

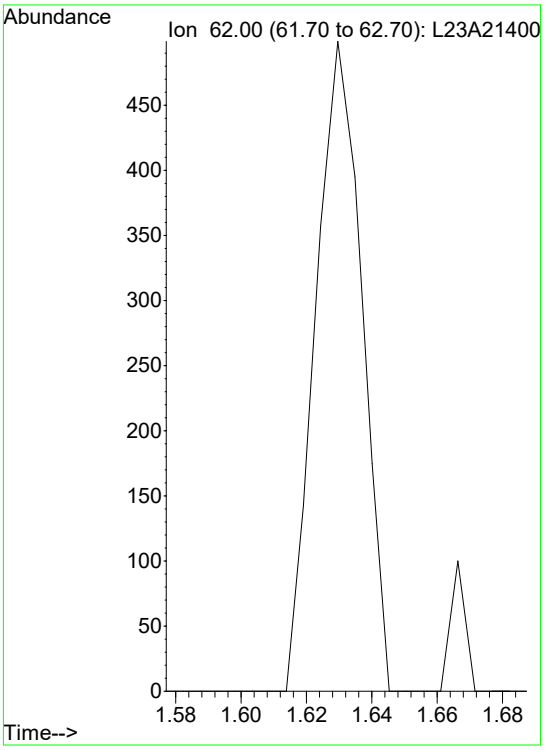
RT : 1.63
Area : 494
Amount: 0.0177982

Manual Int. Results

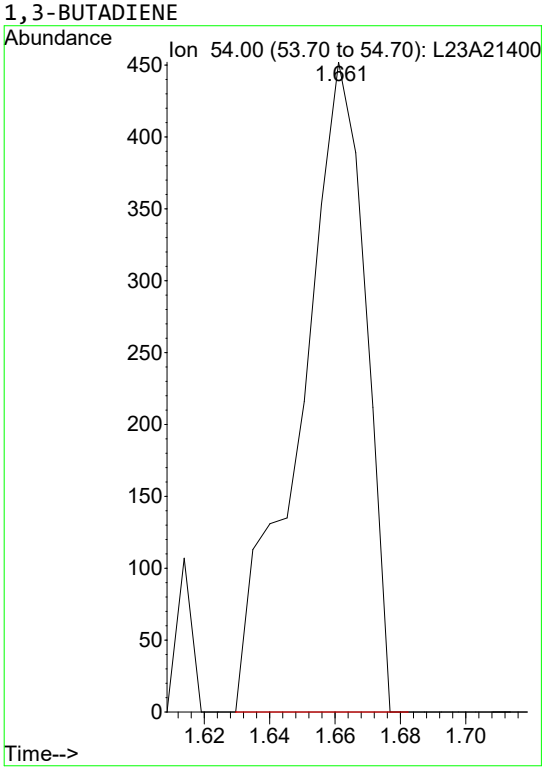
Thu Aug 03 10:32:55 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL CHLORIDE



Original Integration
1,3-BUTADIENE



Original Int. Results

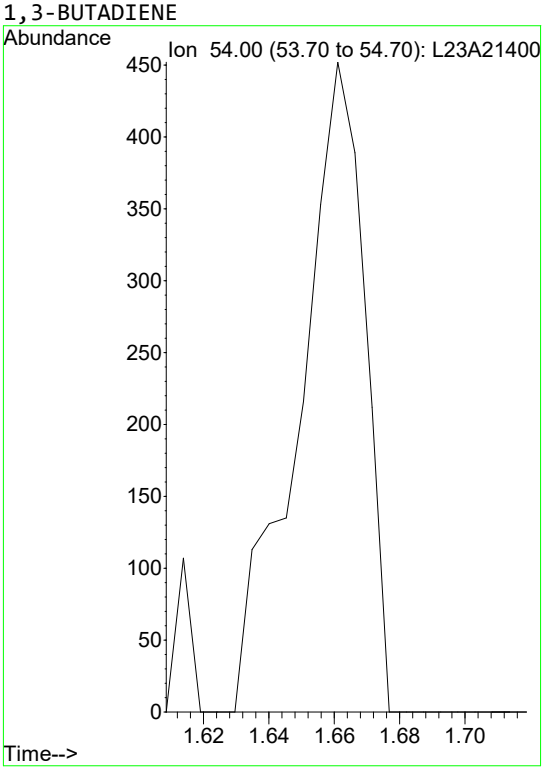
RT : 1.66
Area : 630
Amount: 0.0305981

Manual Int. Results

Thu Aug 03 10:29:43 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

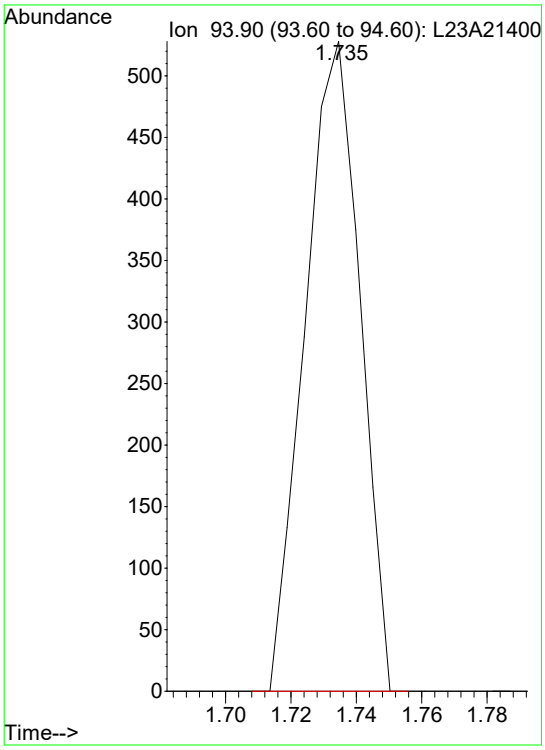
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BROMOMETHANE



Original Int. Results

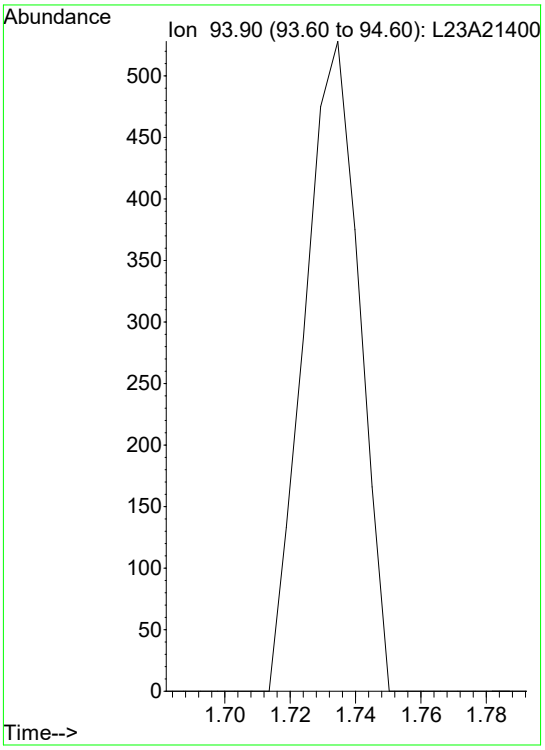
RT : 1.73
Area : 619
Amount: 0.0260523

Manual Int. Results

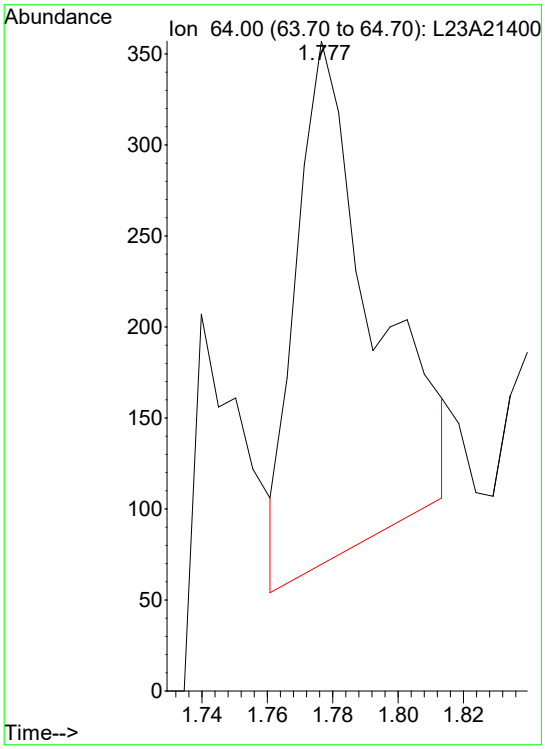
Thu Aug 03 10:32:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

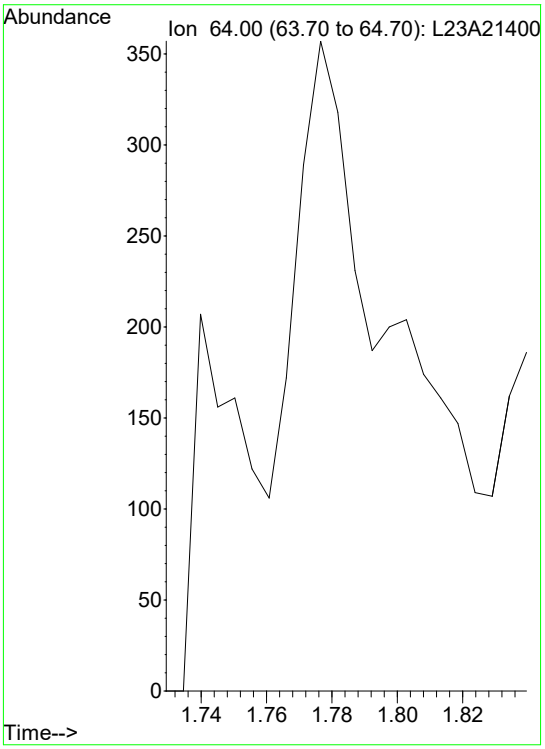
RT : 1.78
Area : 470
Amount: 0.0311591

Manual Int. Results

Thu Aug 03 10:29:49 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

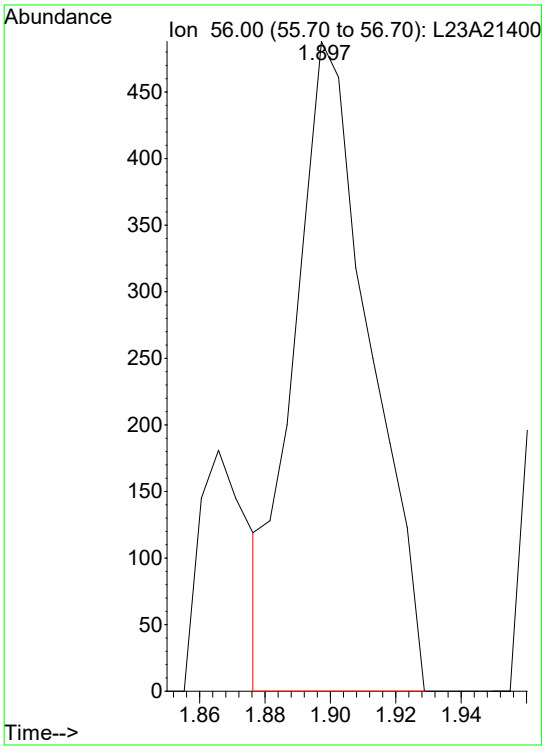
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ACROLEIN



Original Int. Results

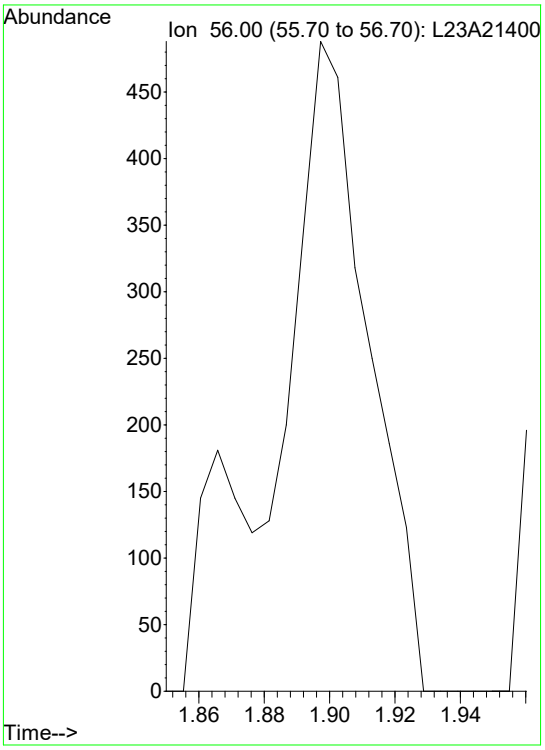
RT : 1.90
Area : 787
Amount: 0.0622441

Manual Int. Results

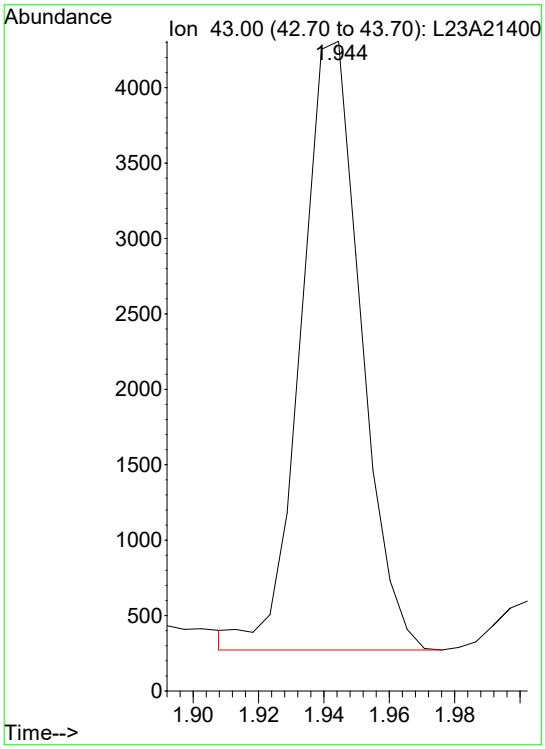
Thu Aug 03 10:30:05 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACROLEIN



Original Integration
ACETONE



Original Int. Results

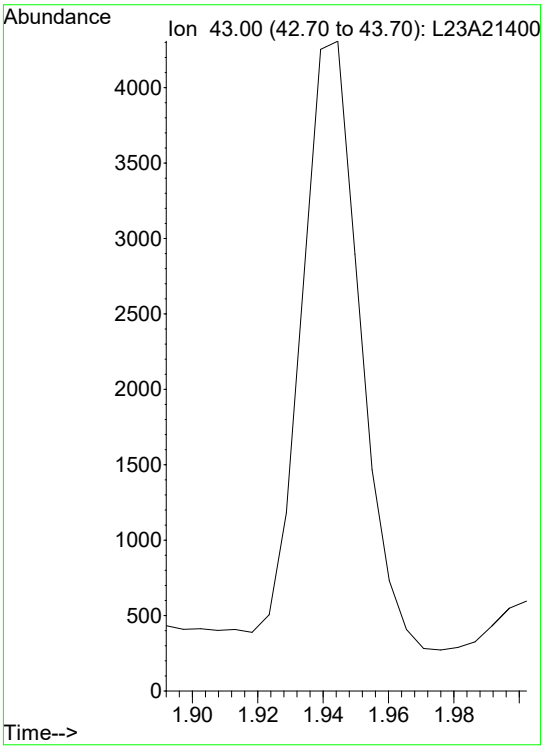
RT : 1.94
Area : 5124
Amount: 0.108925

Manual Int. Results

Thu Aug 03 10:32:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

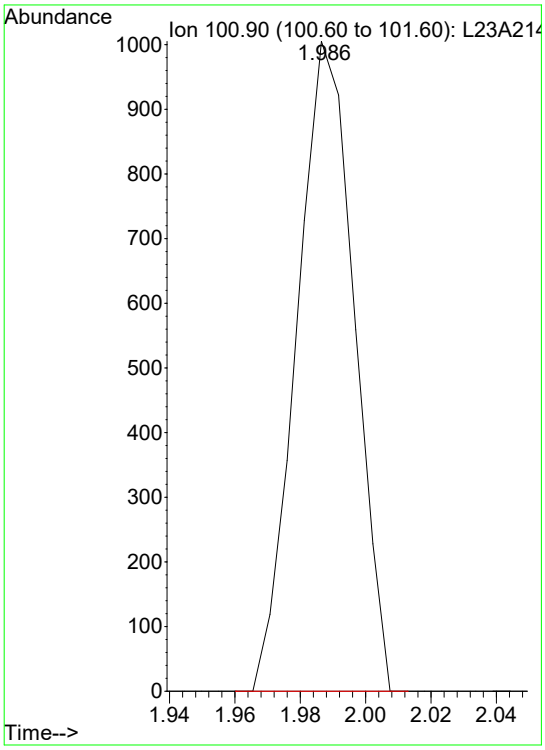
Manual Integration
ACETONE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

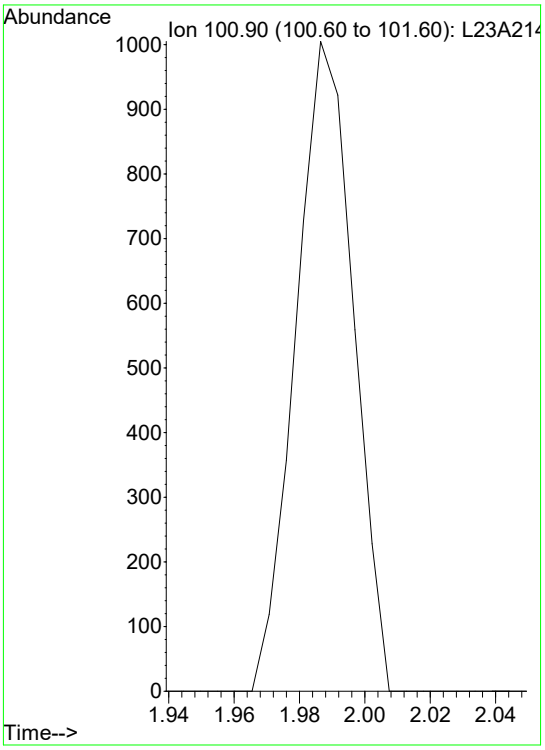
RT : 1.99
Area : 1234
Amount: 0.0180499

Manual Int. Results

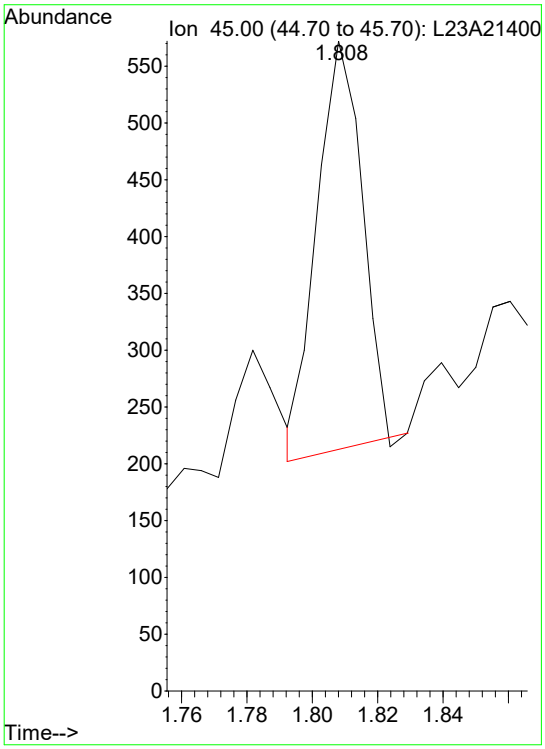
Thu Aug 03 10:32:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROFLUOROMETHANE



Original Integration
ETHANOL



Original Int. Results

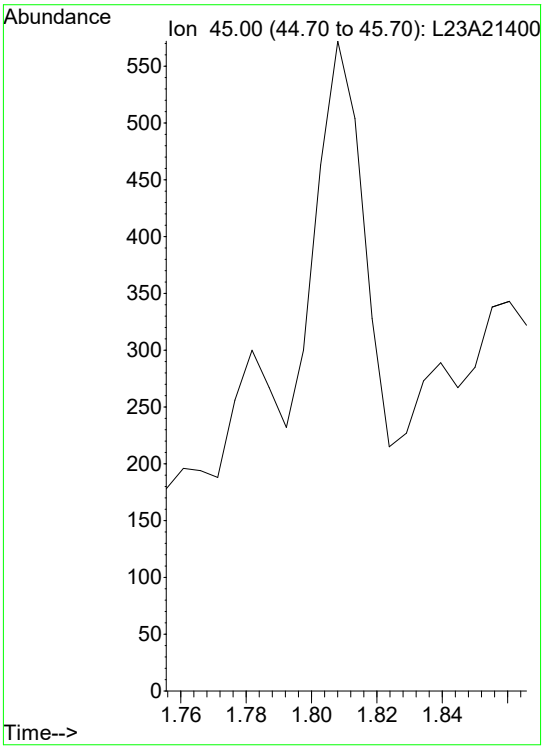
RT : 1.81
Area : 349
Amount: 0.0386548

Manual Int. Results

Thu Aug 03 10:30:11 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

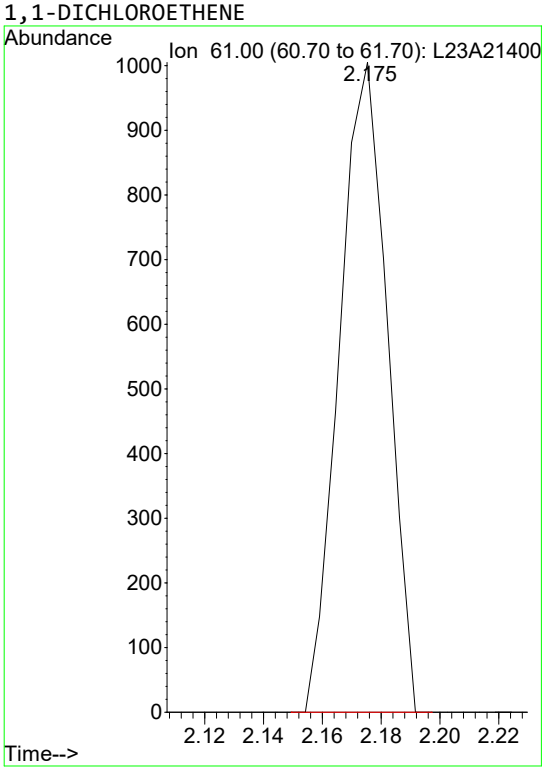
Manual Integration
ETHANOL



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

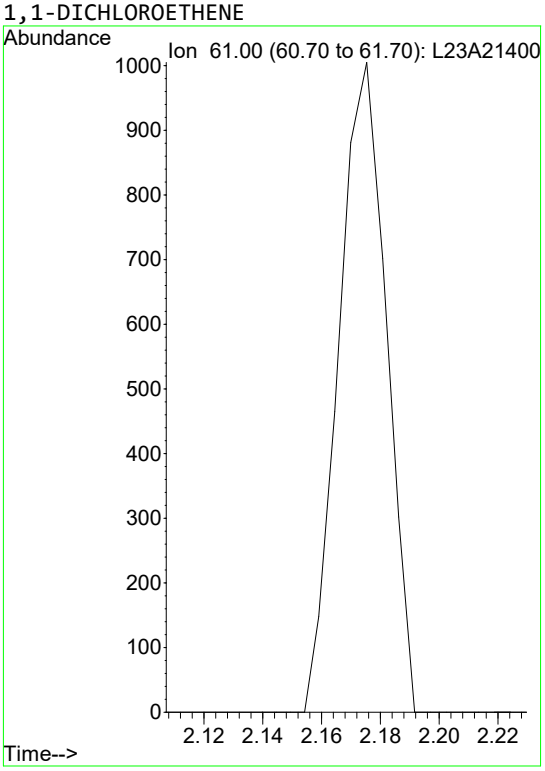
RT : 2.18
Area : 1114
Amount: 0.0246812

Manual Int. Results

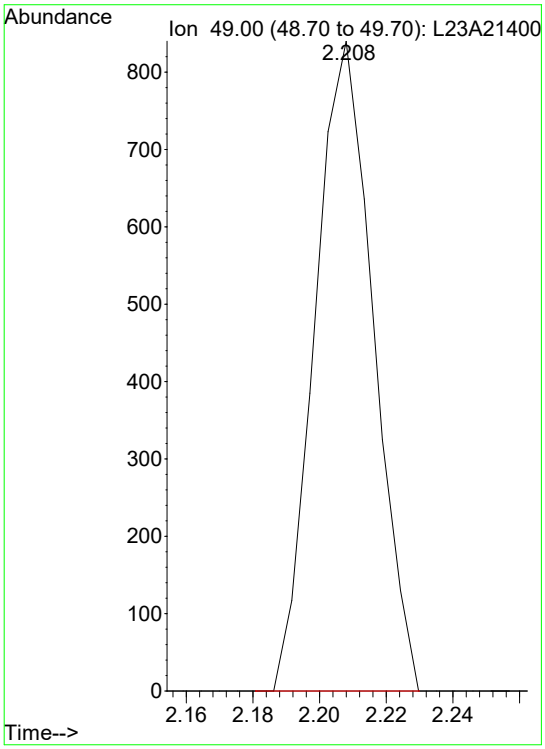
Thu Aug 03 10:32:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
METHYLENE CHLORIDE



Original Int. Results

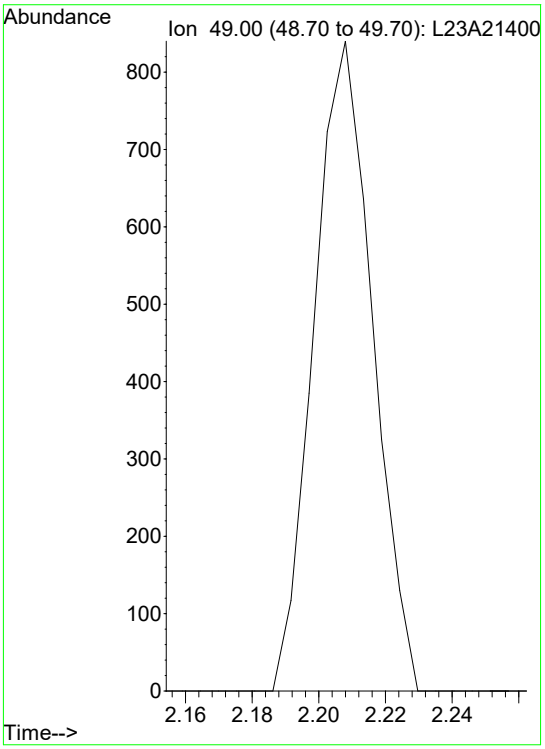
RT : 2.21
Area : 1029
Amount: 0.0314569

Manual Int. Results

Thu Aug 03 10:32:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

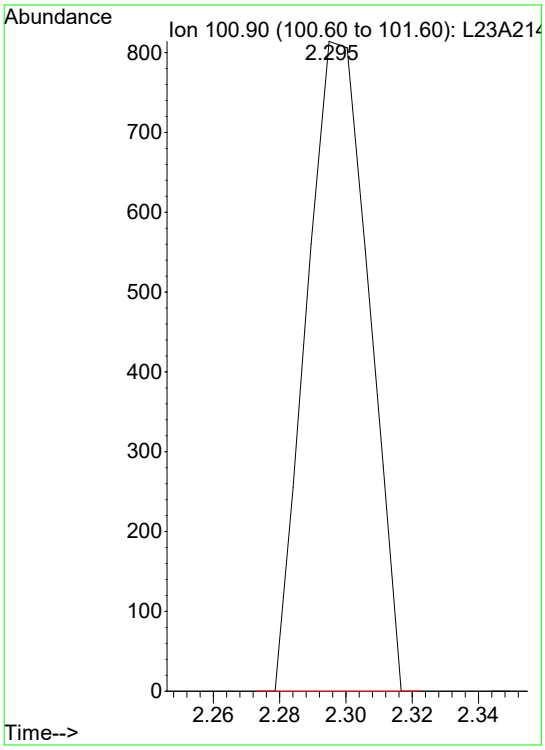
Manual Integration
METHYLENE CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
FREON 113



Original Int. Results

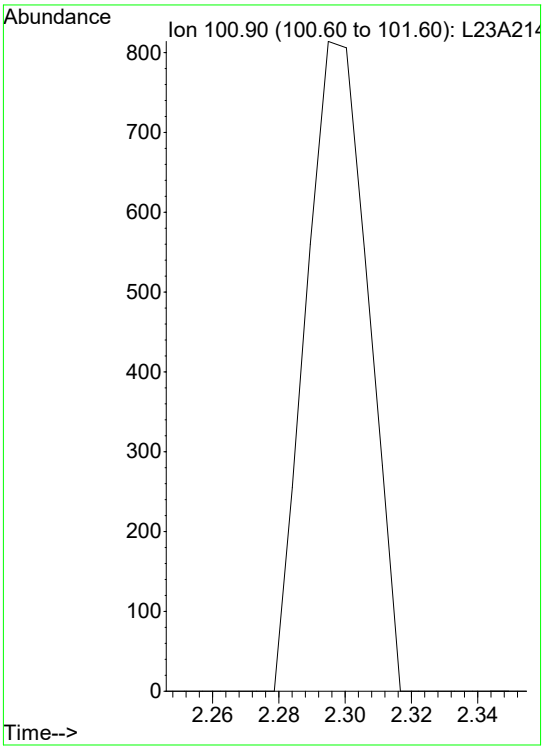
RT : 2.29
Area : 1067
Amount: 0.0194246

Manual Int. Results

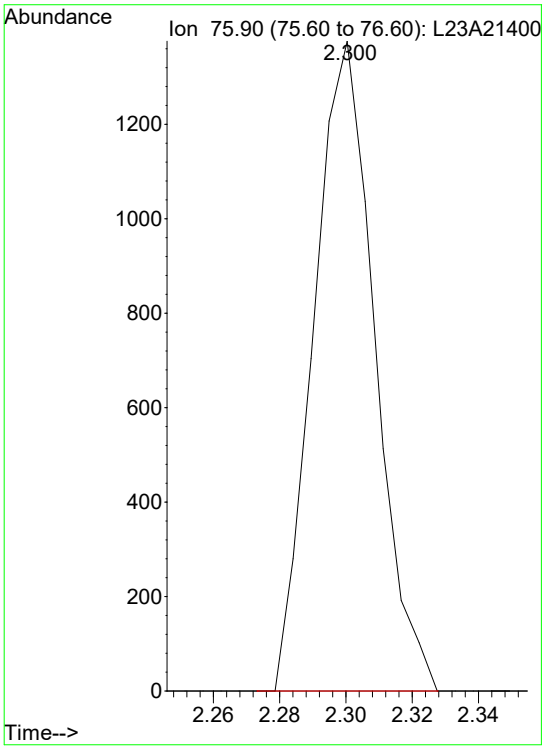
Thu Aug 03 10:32:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 113



Original Integration
CARBON DISULFIDE



Original Int. Results

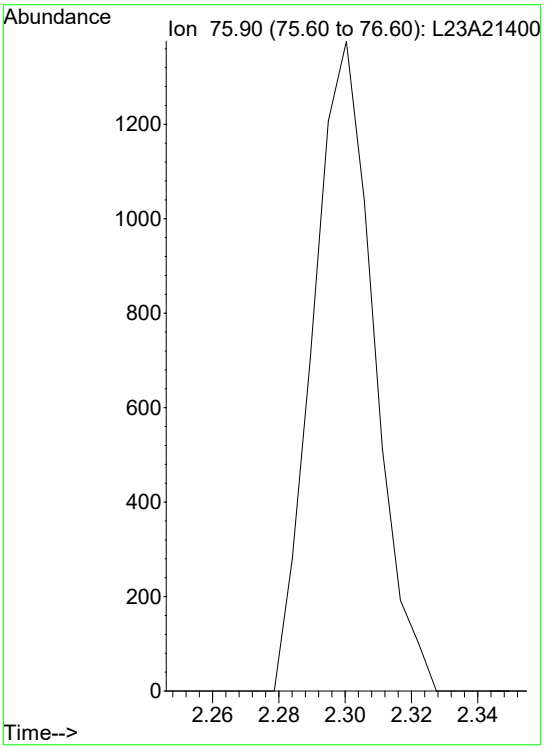
RT : 2.30
Area : 1765
Amount: 0.0221873

Manual Int. Results

Thu Aug 03 10:32:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

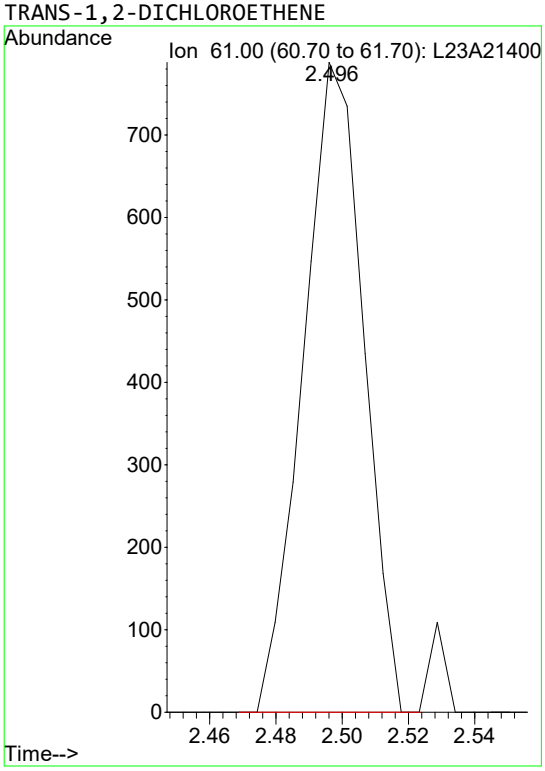
Manual Integration
CARBON DISULFIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRANS-1,2-DICHLOROETHENE



Original Int. Results

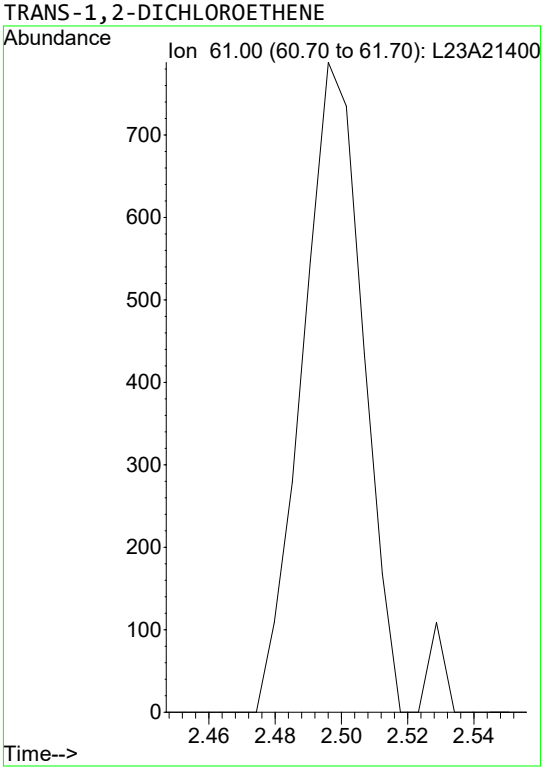
RT : 2.50
Area : 998
Amount: 0.0231649

Manual Int. Results

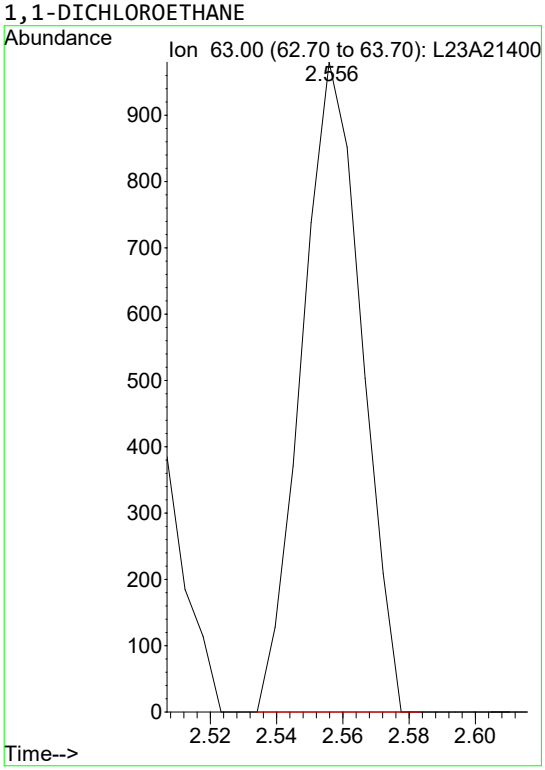
Thu Aug 03 10:32:40 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRANS-1,2-DICHLOROETHENE



Original Integration
1,1-DICHLOROETHANE



Original Int. Results

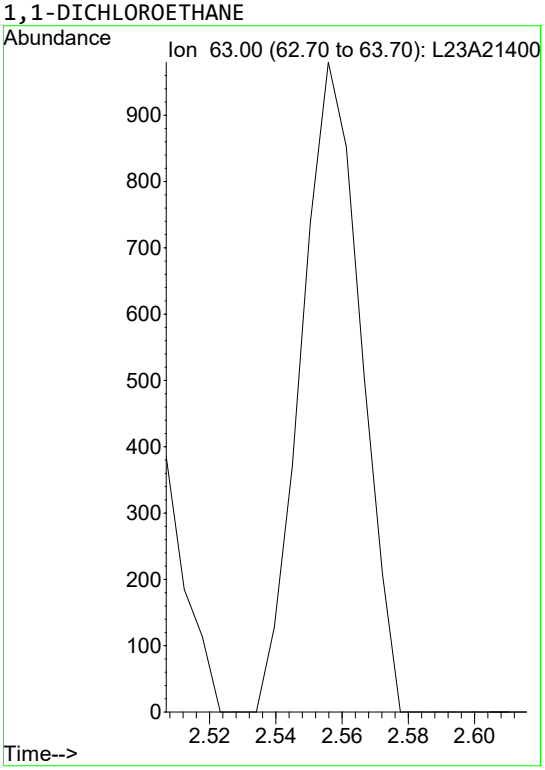
RT : 2.56
Area : 1233
Amount: 0.0234113

Manual Int. Results

Thu Aug 03 10:32:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

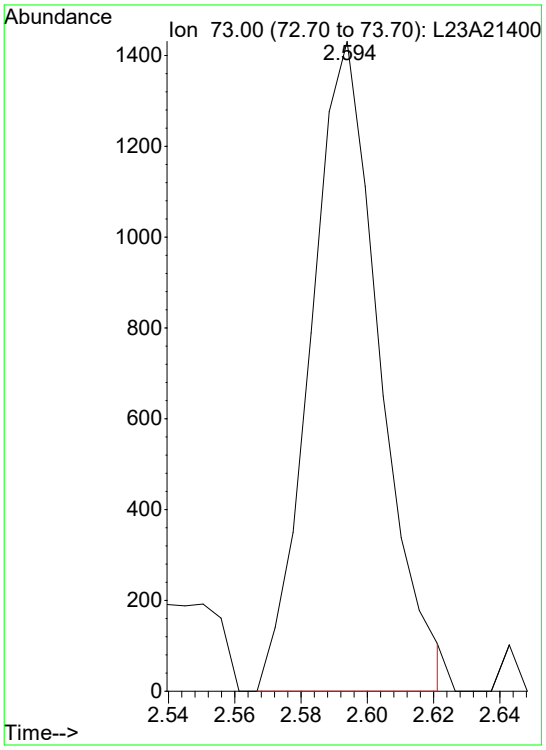
Manual Integration
1,1-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
MTBE



Original Int. Results

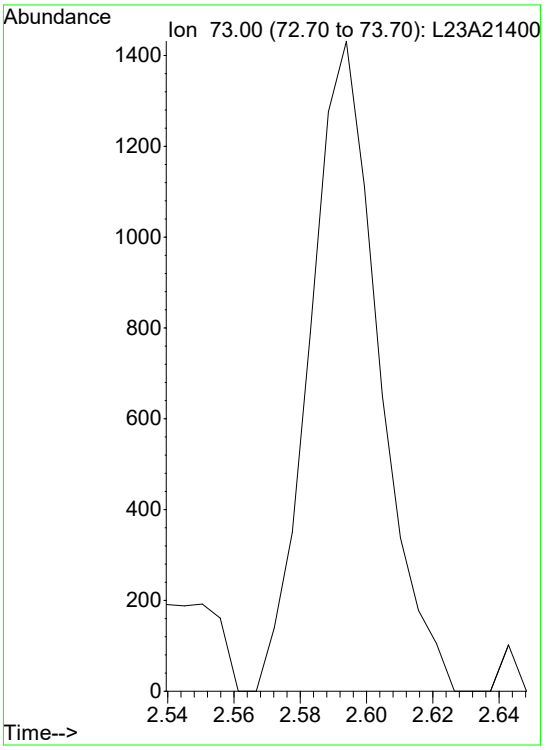
RT : 2.59
Area : 2078
Amount: 0.0241701

Manual Int. Results

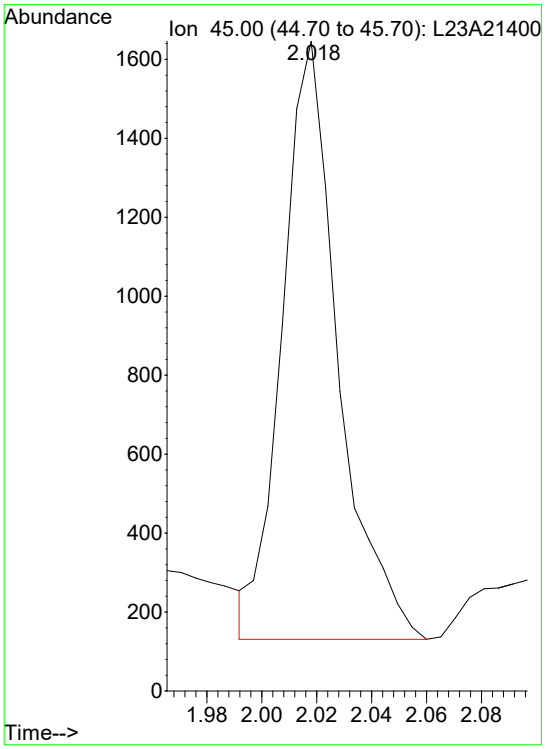
Thu Aug 03 10:32:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MTBE



Original Integration
IPA



Original Int. Results

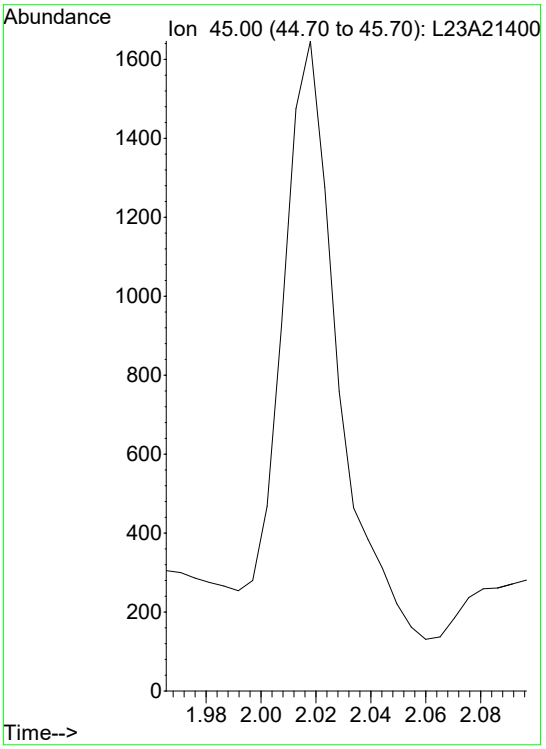
RT : 2.02
Area : 2141
Amount: 0.0449299

Manual Int. Results

Thu Aug 03 10:32:35 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

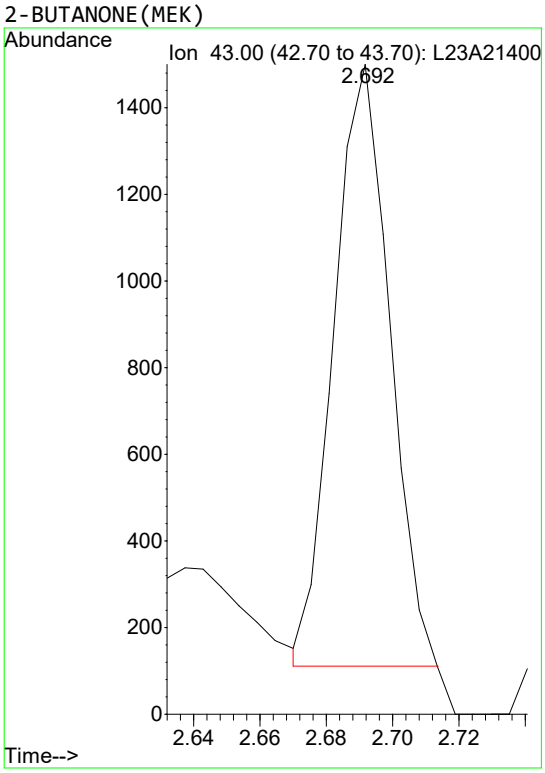
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

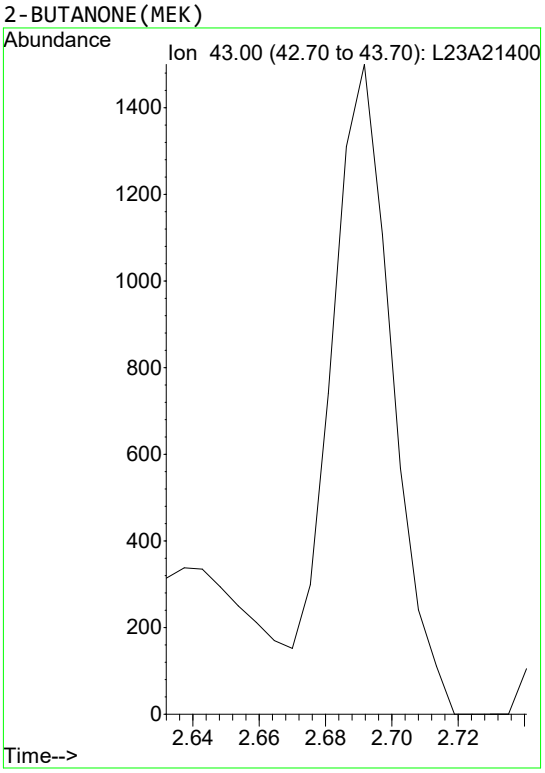
RT : 2.69
Area : 1627
Amount: 0.0315725

Manual Int. Results

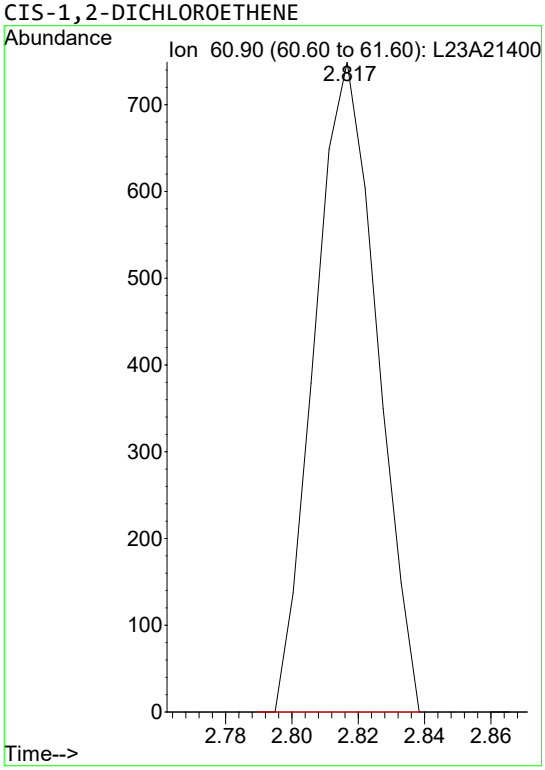
Thu Aug 03 10:32:33 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

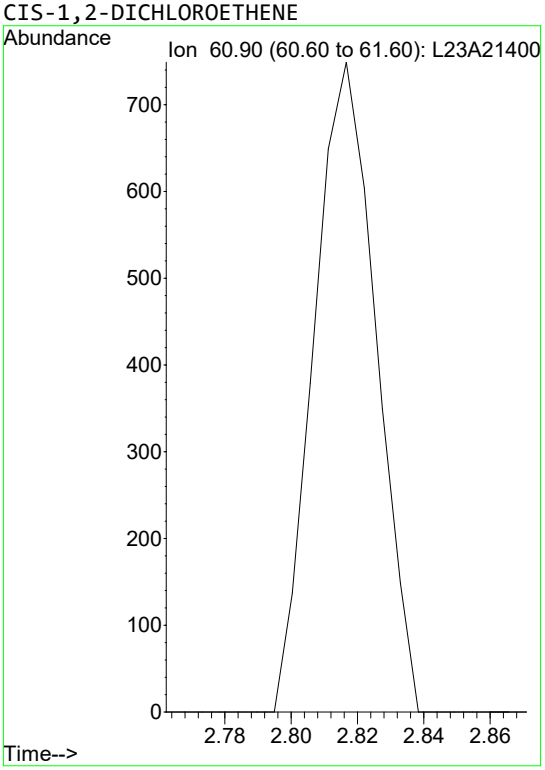
RT : 2.82
Area : 983
Amount: 0.0269427

Manual Int. Results

Thu Aug 03 10:32:32 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

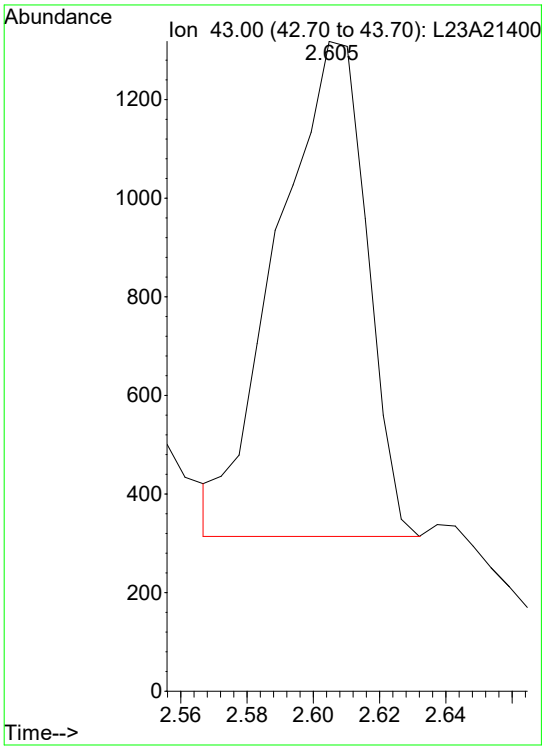
Manual Integration
CIS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

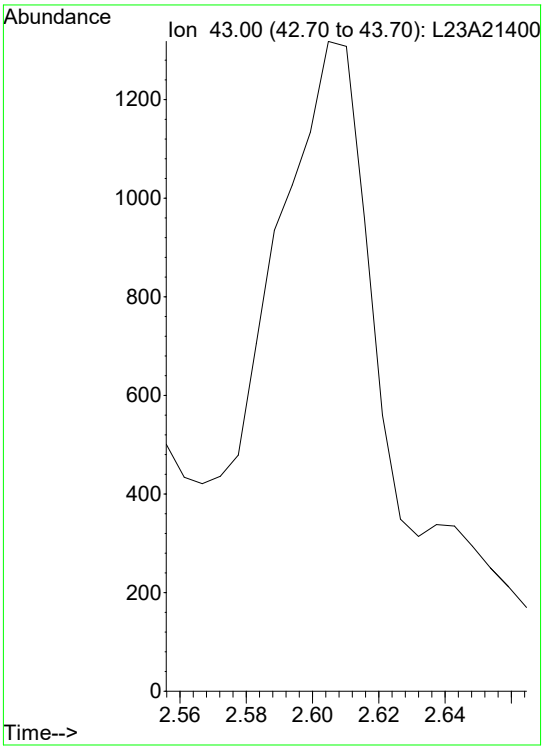
RT : 2.60
Area : 1878
Amount: 0.0321517

Manual Int. Results

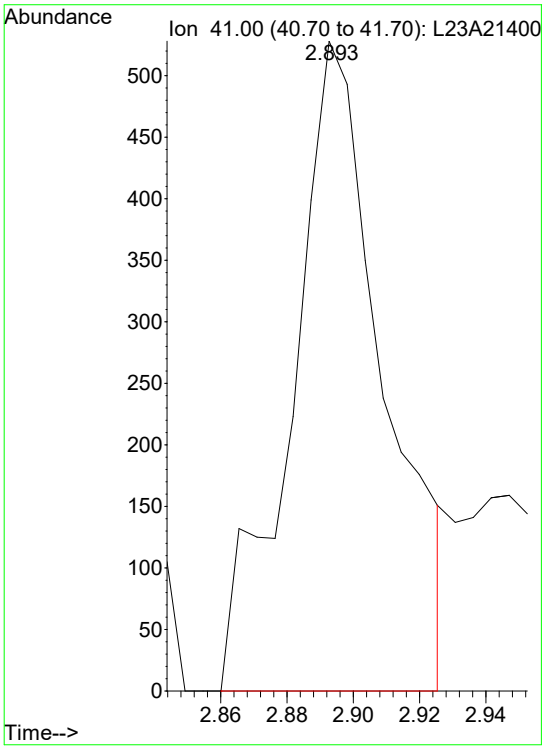
Thu Aug 03 10:30:31 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Original Integration
HEXANE



Original Int. Results

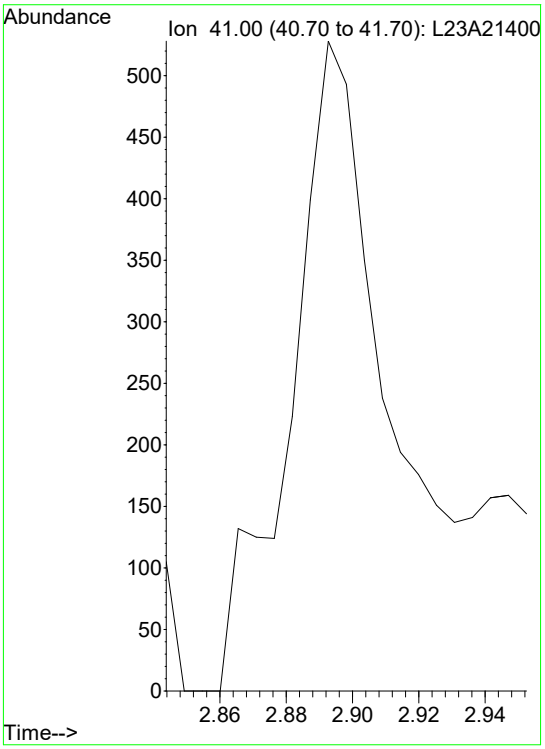
RT : 2.89
Area : 1022
Amount: 0.0348283

Manual Int. Results

Thu Aug 03 10:30:42 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

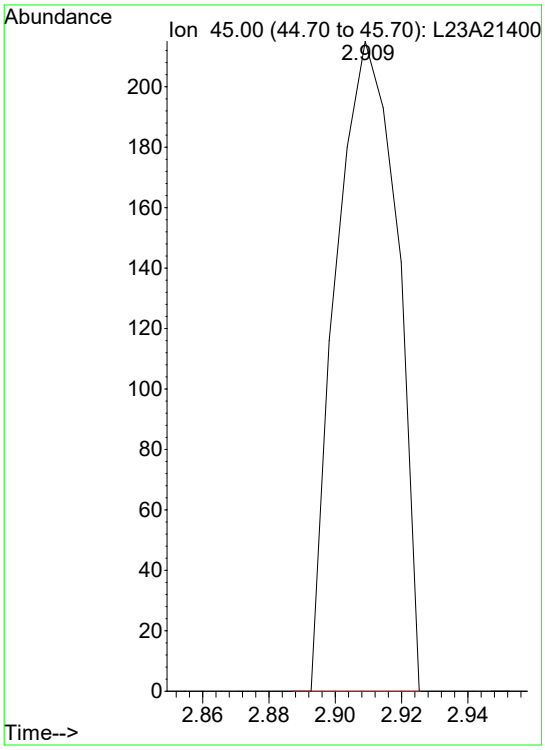
Manual Integration
HEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHYL ACETATE



Original Int. Results

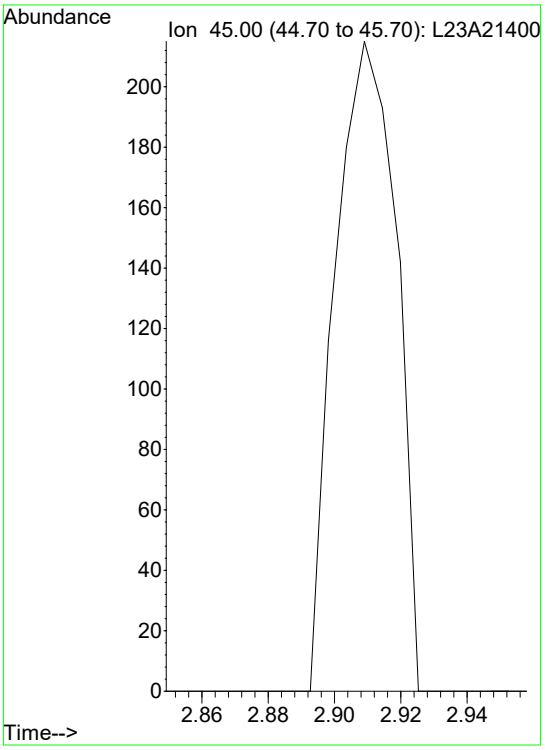
RT : 2.91
Area : 276
Amount: 0.0281773

Manual Int. Results

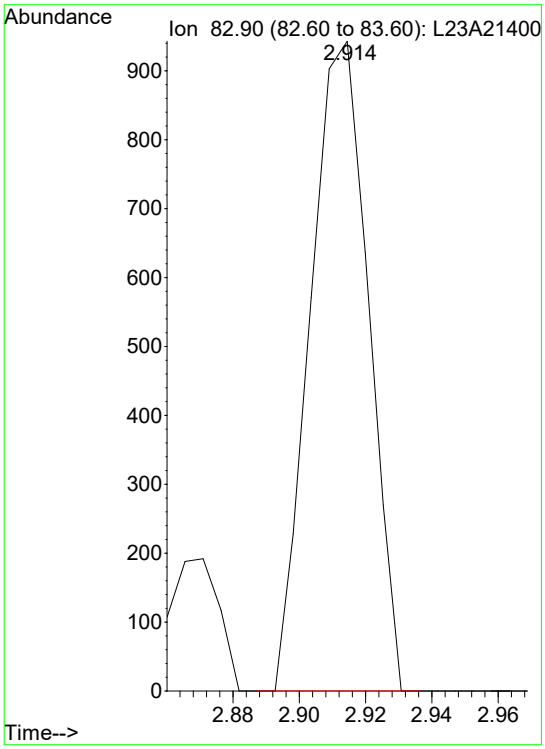
Thu Aug 03 10:30:48 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL ACETATE



Original Integration
CHLOROFORM



Original Int. Results

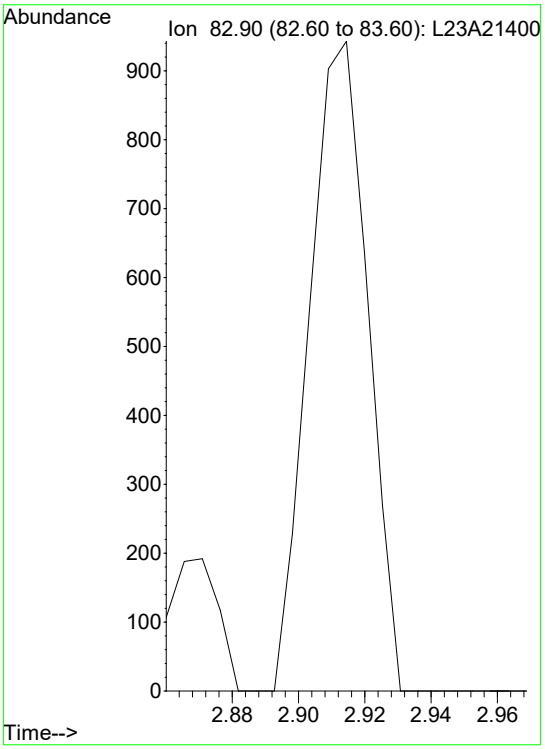
RT : 2.91
Area : 1158
Amount: 0.0201546

Manual Int. Results

Thu Aug 03 10:32:29 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

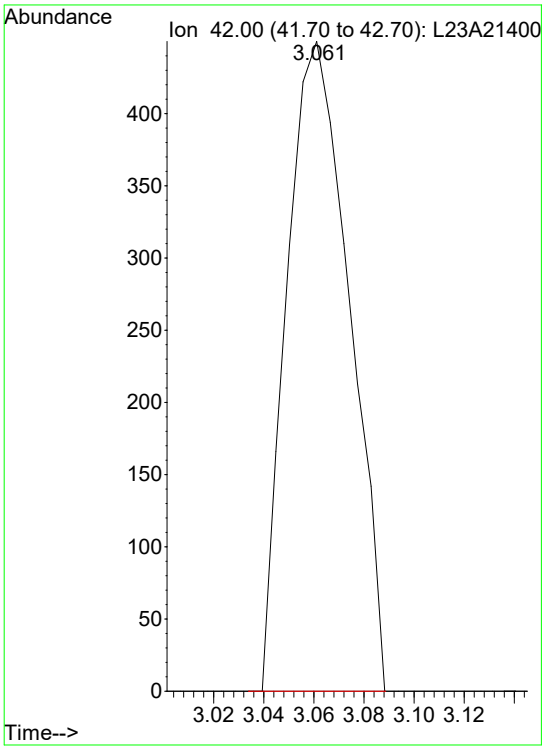
Manual Integration
CHLOROFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

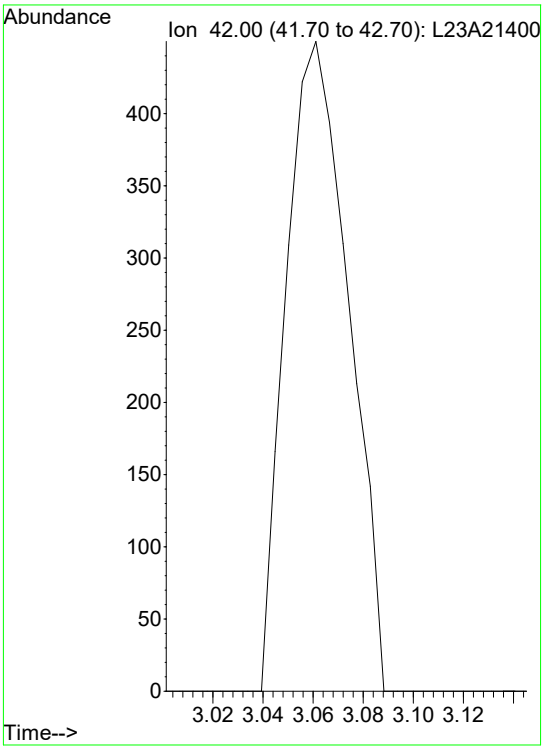
RT : 3.06
Area : 784
Amount: 0.0197914

Manual Int. Results

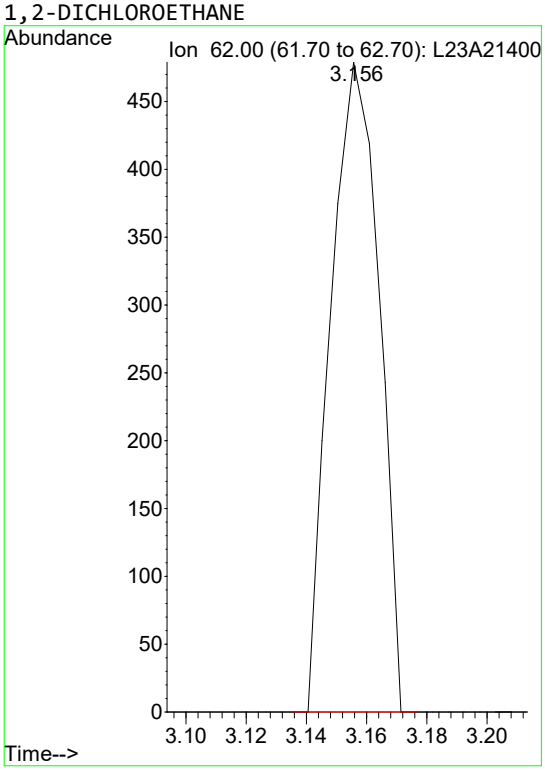
Thu Aug 03 10:30:53 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
1,2-DICHLOROETHANE



Original Int. Results

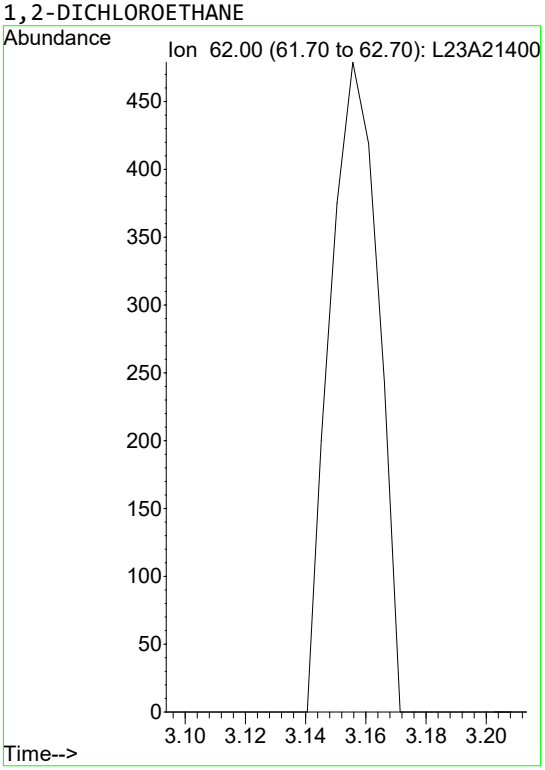
RT : 3.16
Area : 524
Amount: 0.0139424

Manual Int. Results

Thu Aug 03 10:32:27 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

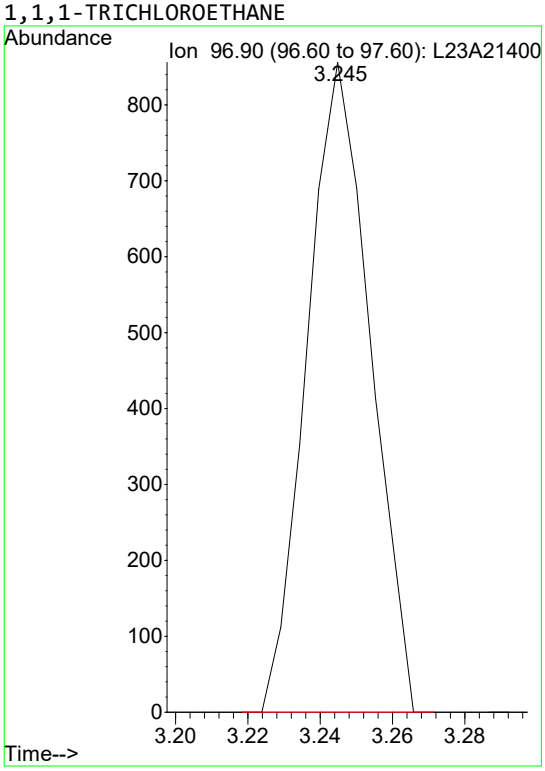
Manual Integration
1,2-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,1-TRICHLOROETHANE



Original Int. Results

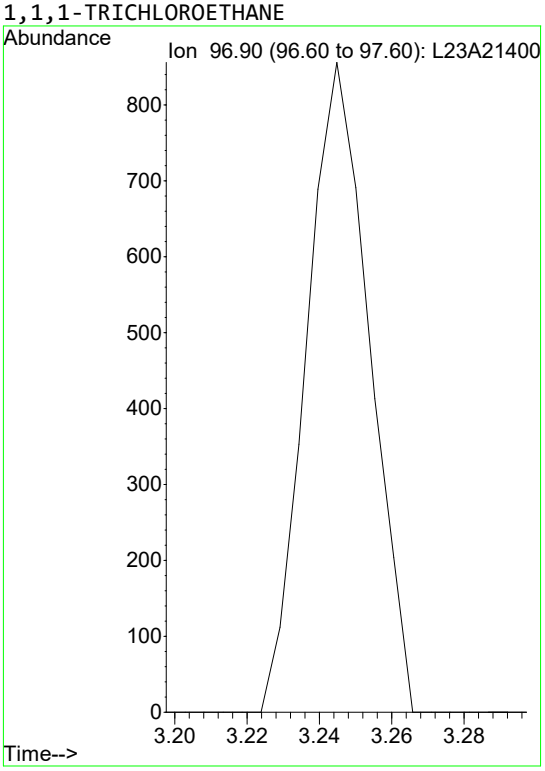
RT : 3.24
Area : 1044
Amount: 0.0194259

Manual Int. Results

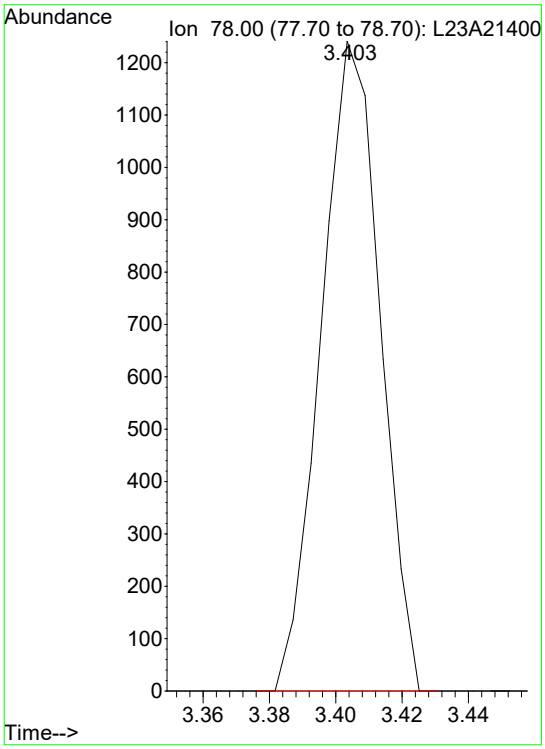
Thu Aug 03 10:32:25 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,1-TRICHLOROETHANE



Original Integration
BENZENE



Original Int. Results

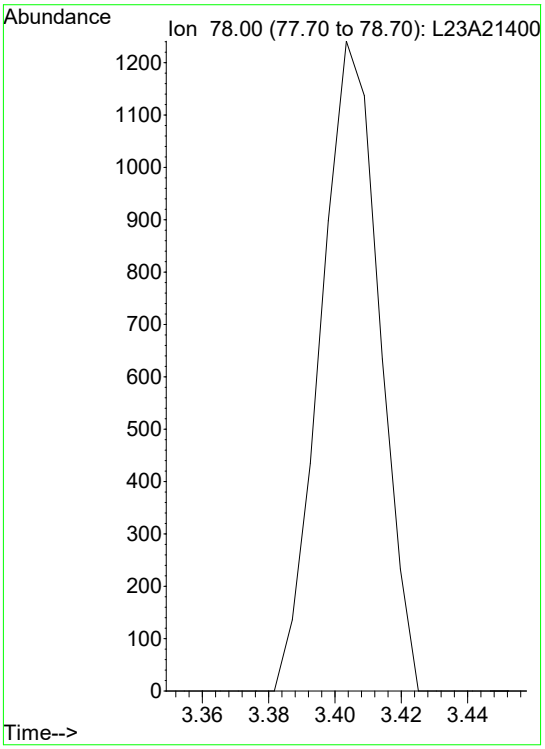
RT : 3.40
Area : 1536
Amount: 0.0191334

Manual Int. Results

Thu Aug 03 10:32:24 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

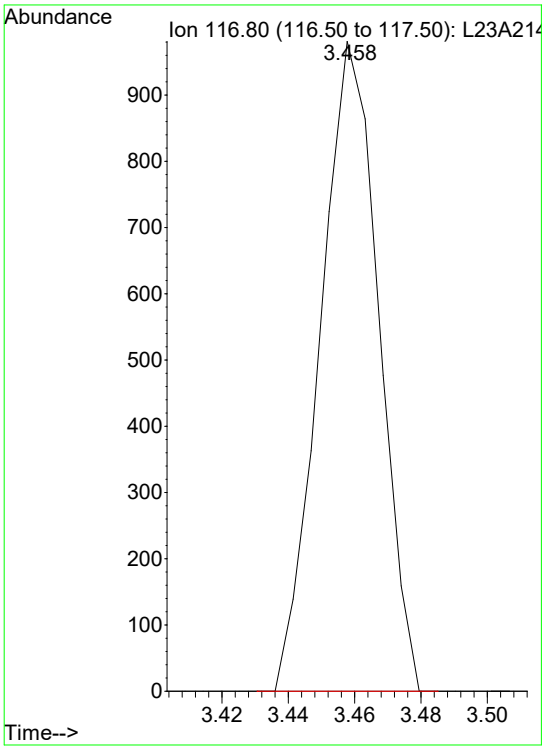
Manual Integration
BENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CARBON TETRACHLORIDE



Original Int. Results

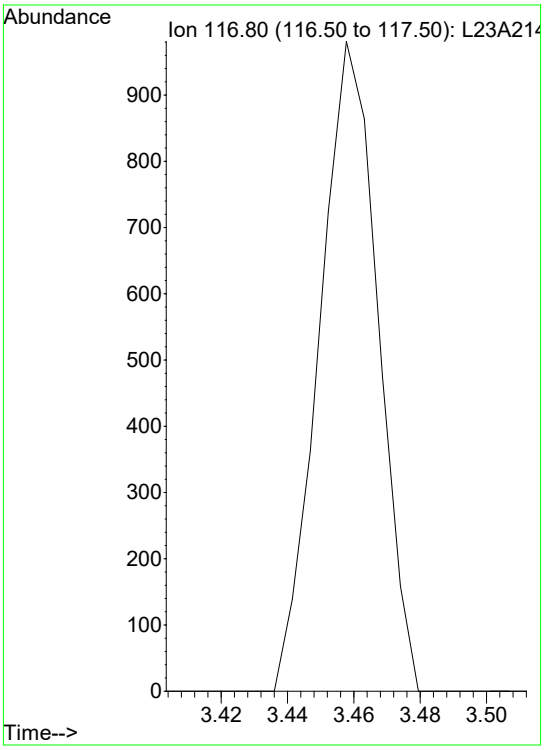
RT : 3.46
Area : 1208
Amount: 0.0222111

Manual Int. Results

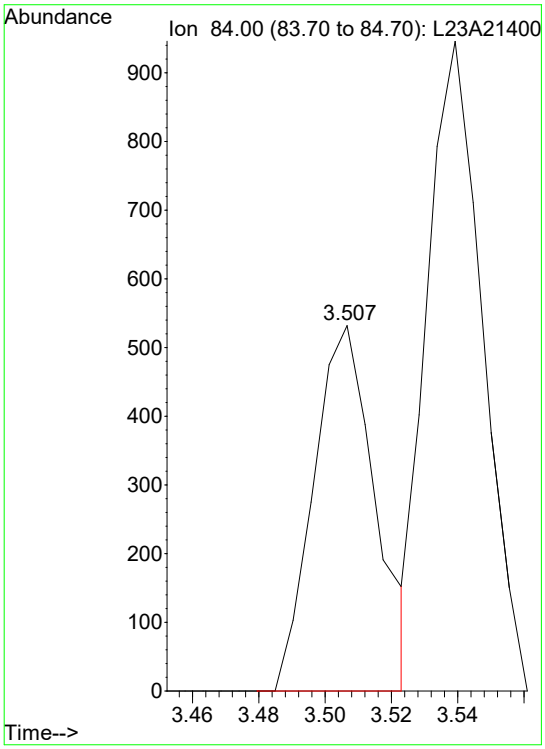
Thu Aug 03 10:32:22 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON TETRACHLORIDE



Original Integration
CYCLOHEXANE



Original Int. Results

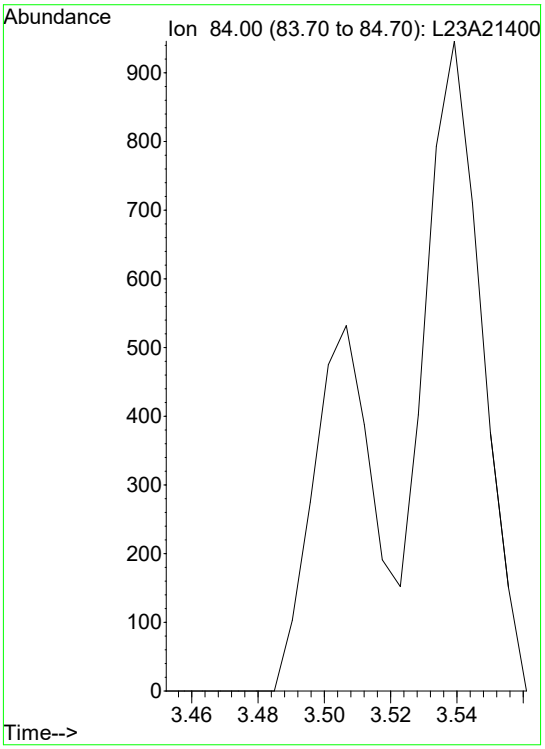
RT : 3.51
Area : 690
Amount: 0.0213533

Manual Int. Results

Thu Aug 03 10:32:21 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

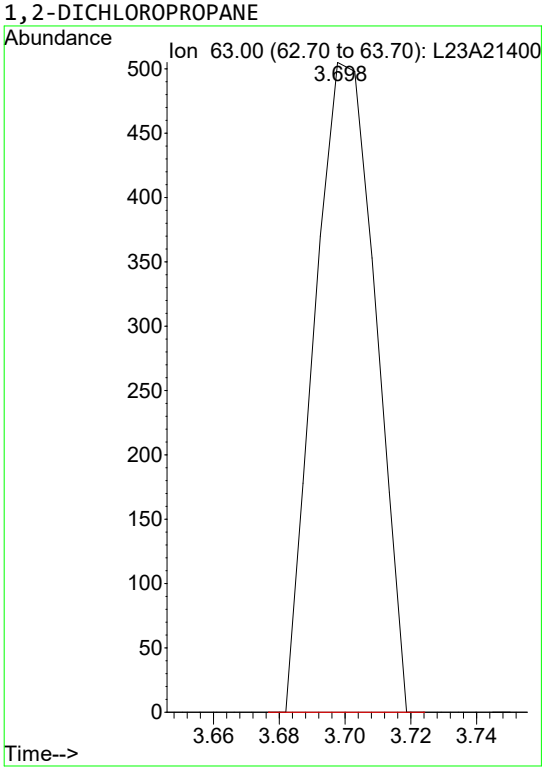
Manual Integration
CYCLOHEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

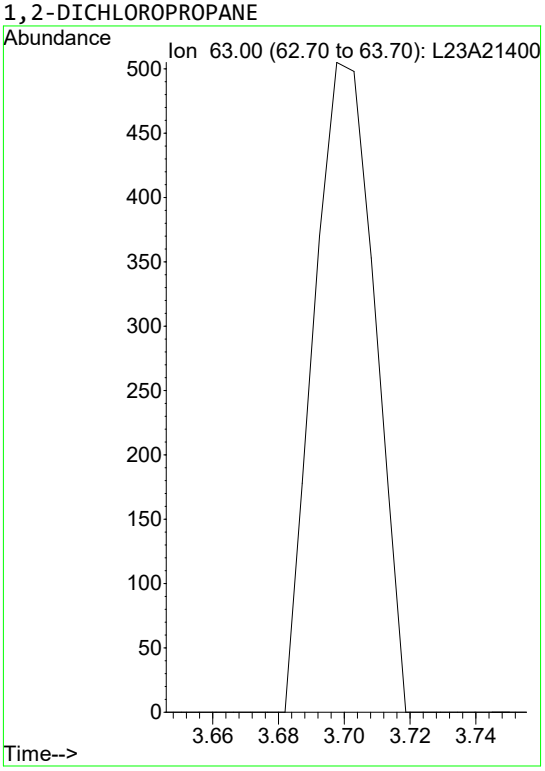
RT : 3.70
Area : 653
Amount: 0.0233029

Manual Int. Results

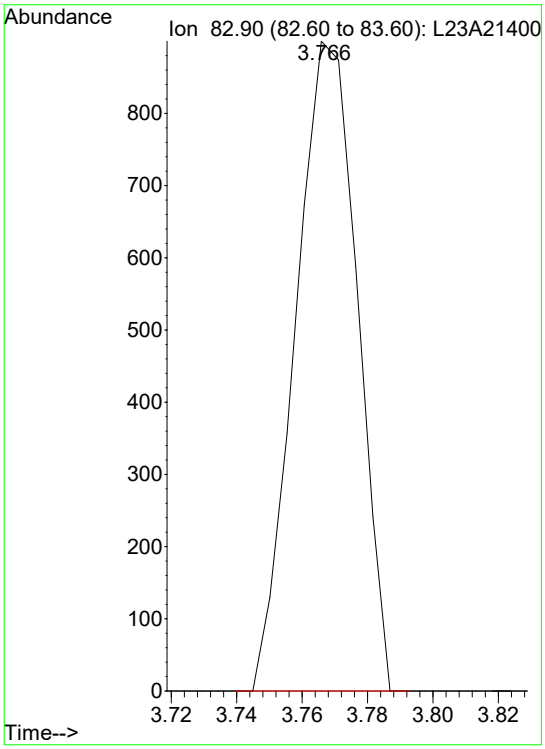
Thu Aug 03 10:32:19 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

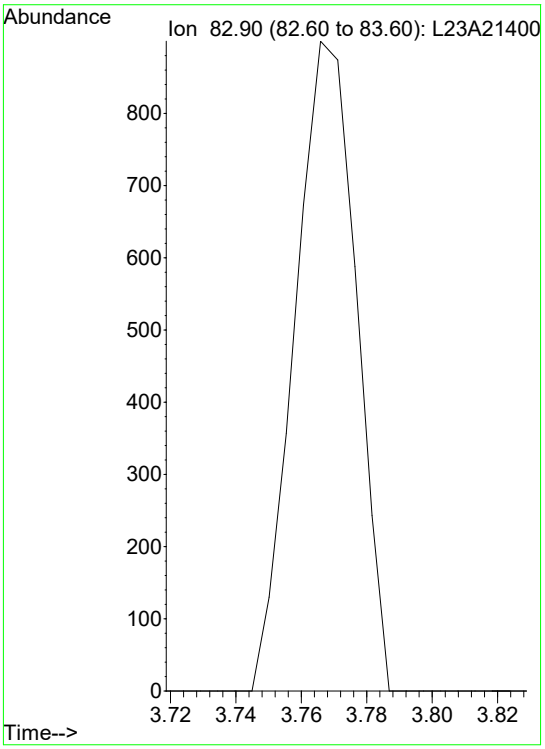
RT : 3.77
Area : 1185
Amount: 0.0207774

Manual Int. Results

Thu Aug 03 10:32:18 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

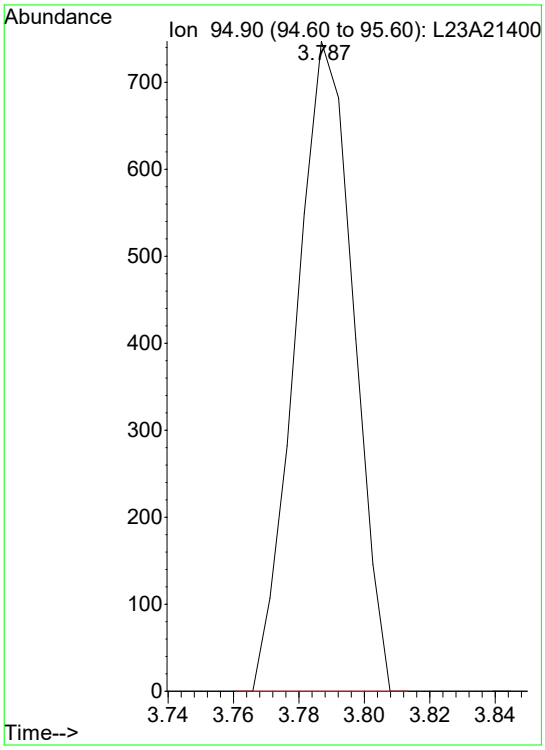
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROETHENE



Original Int. Results

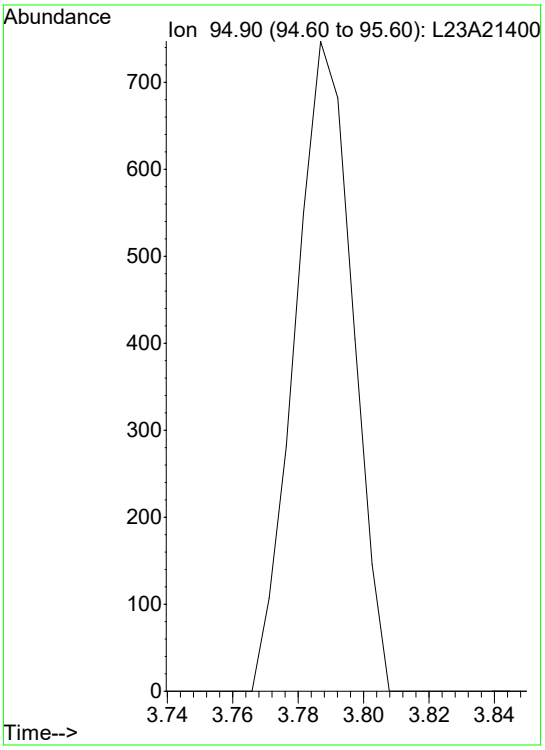
RT : 3.79
Area : 918
Amount: 0.0257284

Manual Int. Results

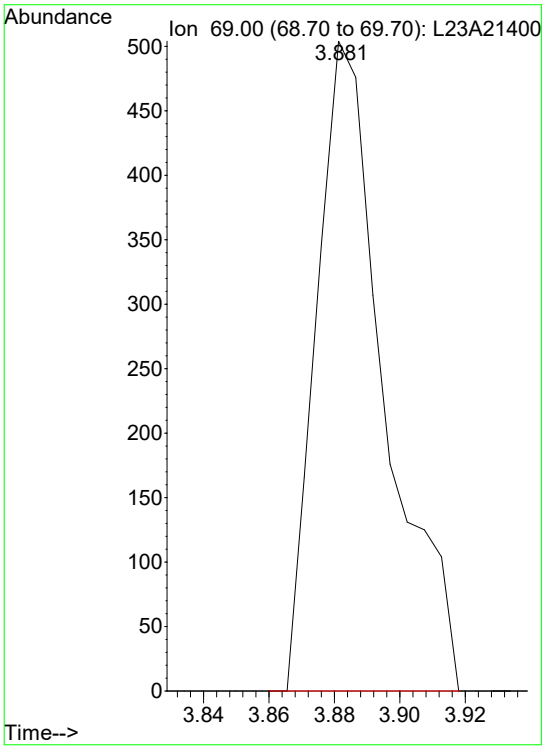
Thu Aug 03 10:32:16 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROETHENE



Original Integration
METHYLMETHACRYLATE



Original Int. Results

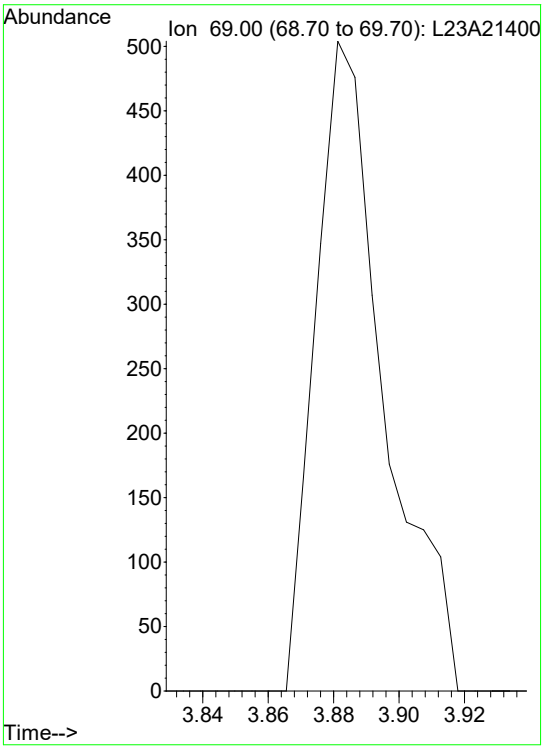
RT : 3.88
Area : 735
Amount: 0.0270441

Manual Int. Results

Thu Aug 03 10:32:14 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

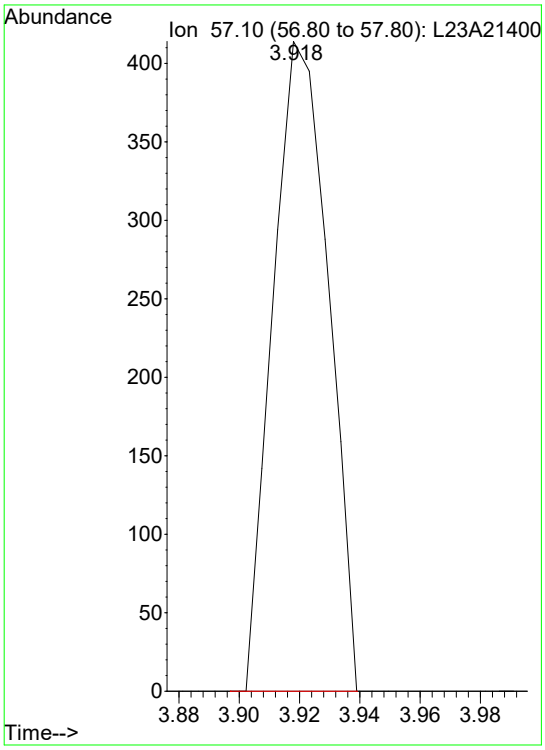
Manual Integration
METHYLMETHACRYLATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEPTANE



Original Int. Results

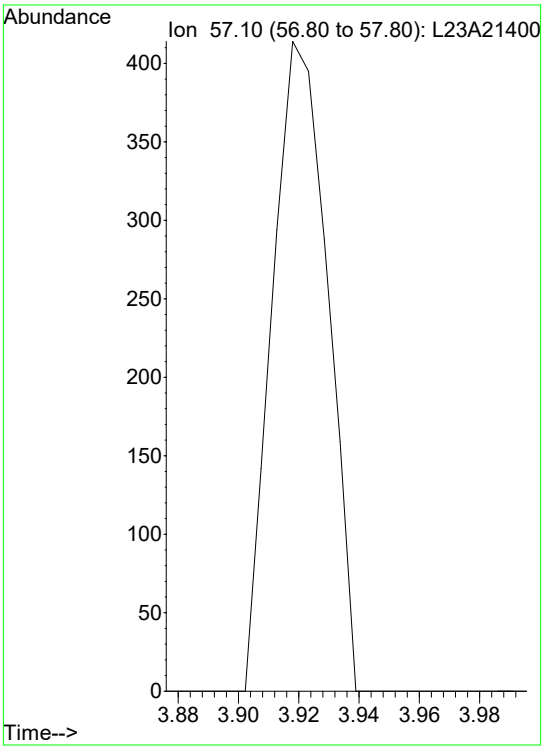
RT : 3.92
Area : 532
Amount: 0.0150252

Manual Int. Results

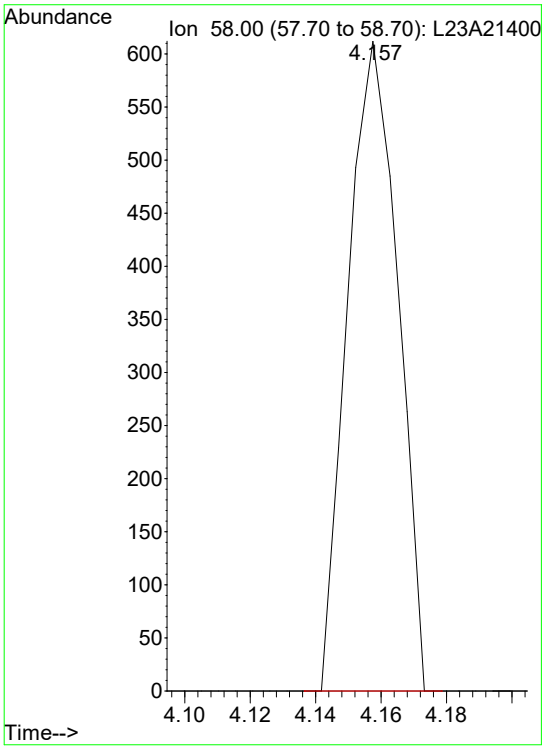
Thu Aug 03 10:32:12 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEPTANE



Original Integration
MIBK



Original Int. Results

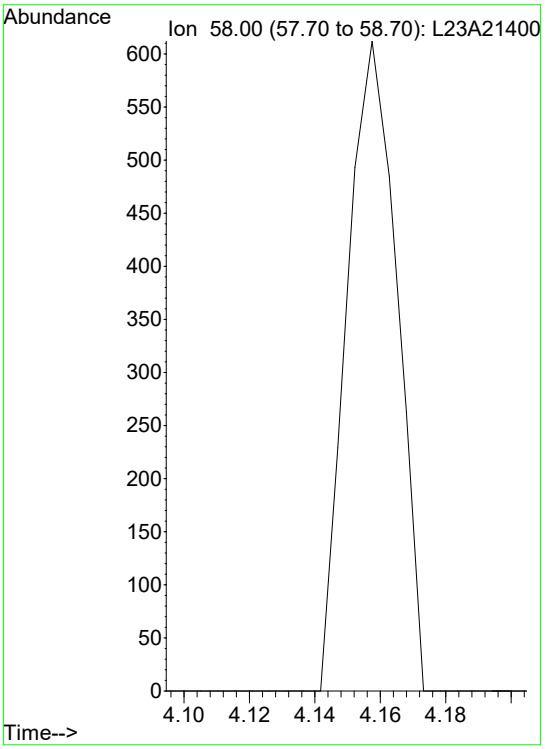
RT : 4.16
Area : 655
Amount: 0.0233975

Manual Int. Results

Thu Aug 03 10:32:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

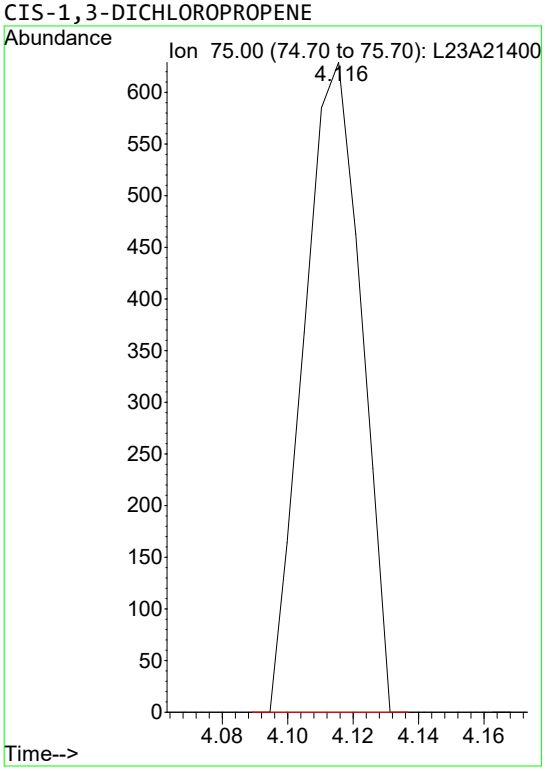
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,3-DICHLOROPROPENE



Original Int. Results

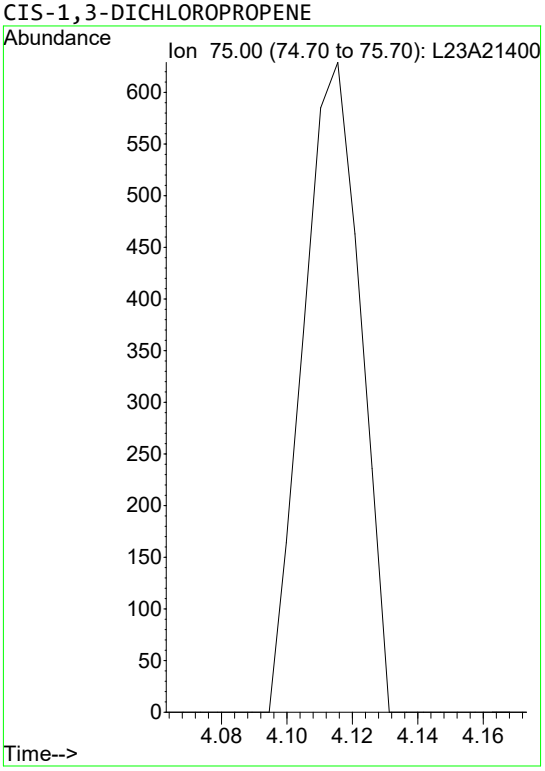
RT : 4.12
Area : 769
Amount: 0.0182306

Manual Int. Results

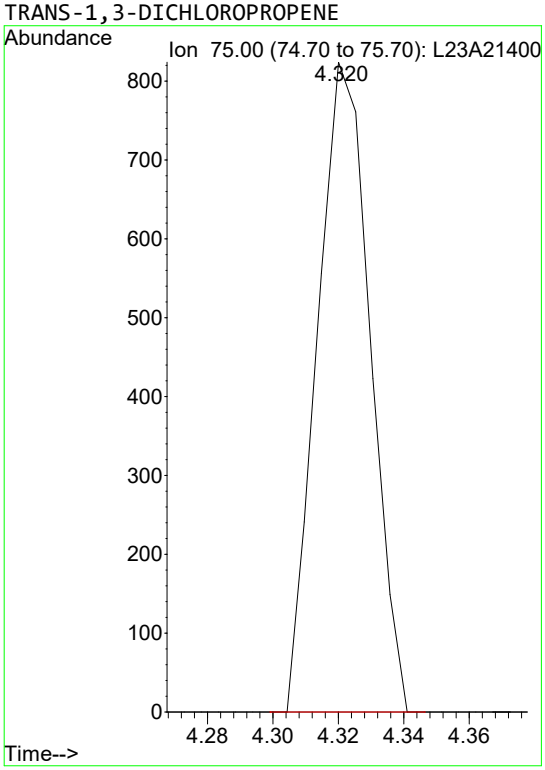
Thu Aug 03 10:32:09 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,3-DICHLOROPROPENE



Original Integration
TRANS-1,3-DICHLOROPROPENE



Original Int. Results

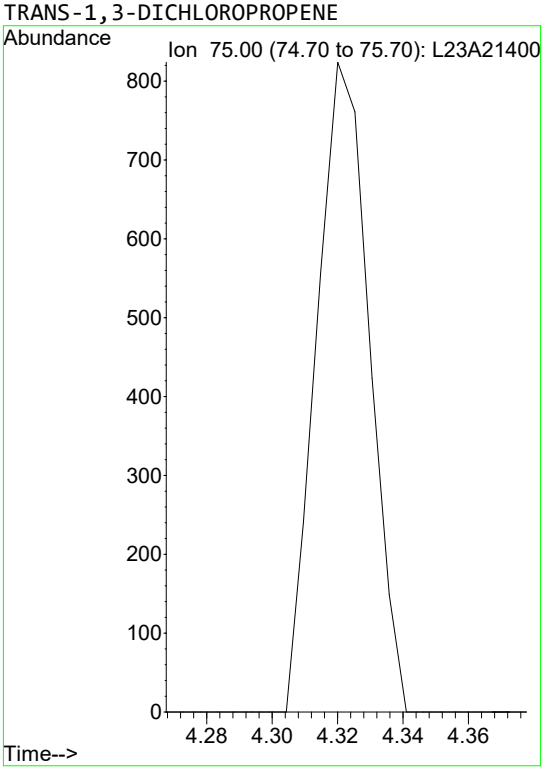
RT : 4.32
Area : 930
Amount: 0.0250271

Manual Int. Results

Thu Aug 03 10:32:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

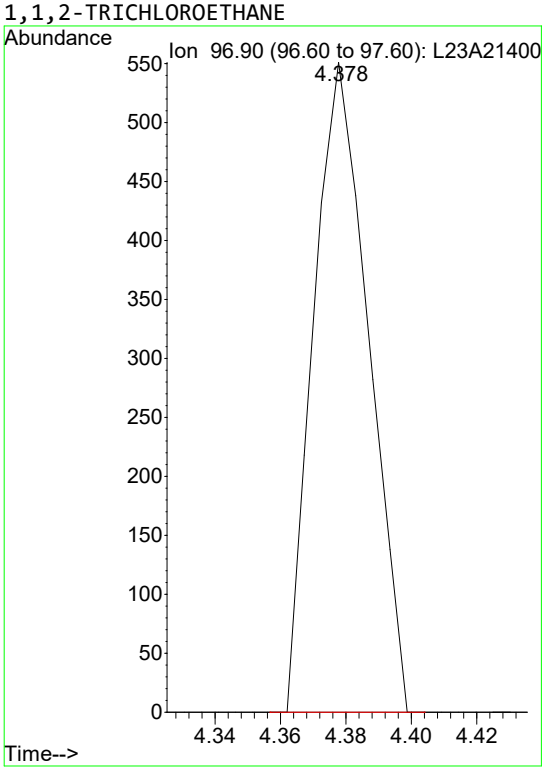
Manual Integration
TRANS-1,3-DICHLOROPROPENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

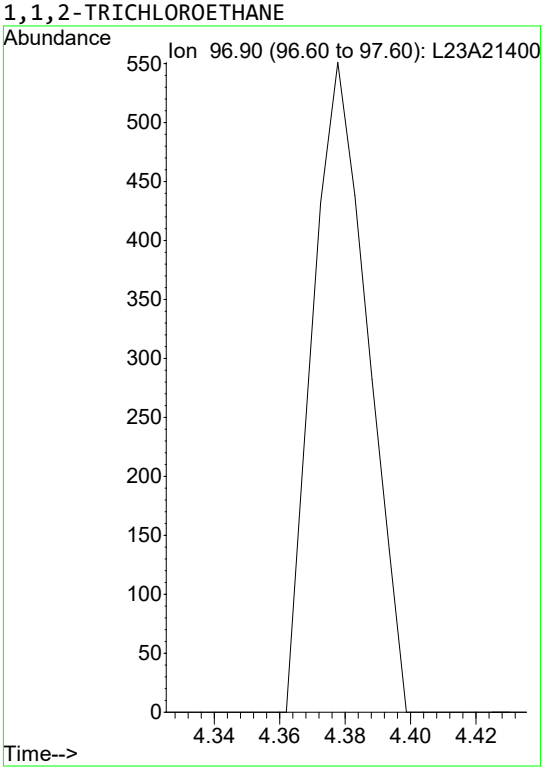
RT : 4.38
Area : 648
Amount: 0.0216377

Manual Int. Results

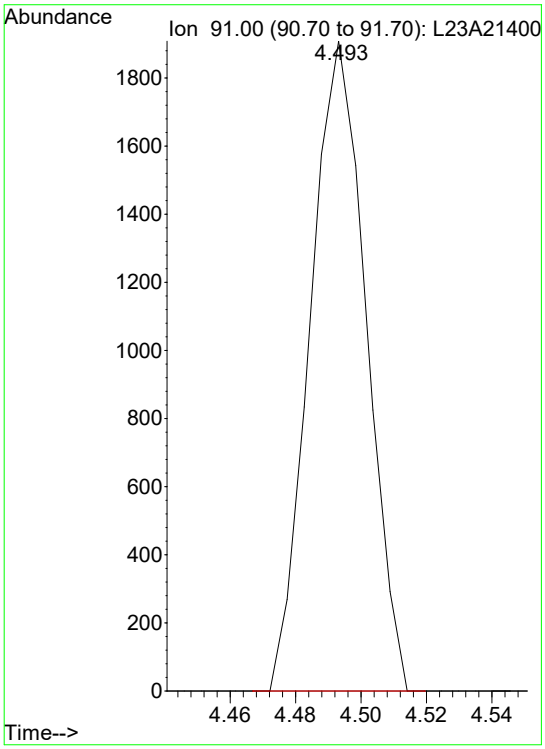
Thu Aug 03 10:32:06 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TOLUENE



Original Int. Results

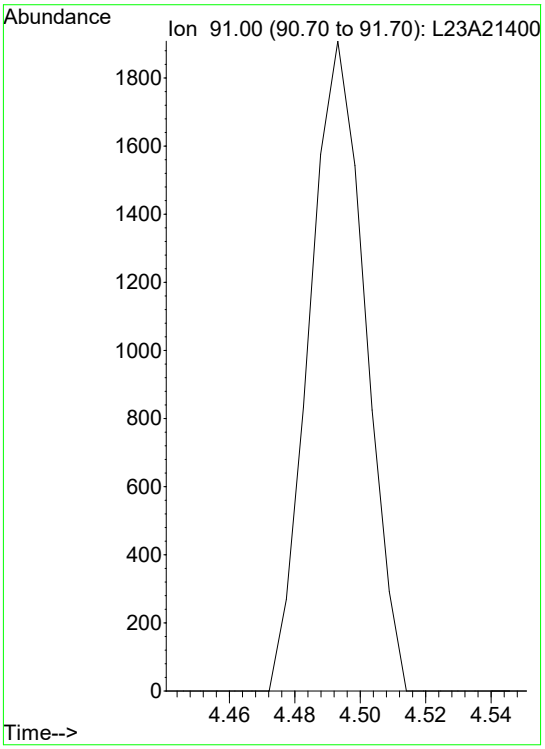
RT : 4.49
Area : 2281
Amount: 0.0239963

Manual Int. Results

Thu Aug 03 10:32:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

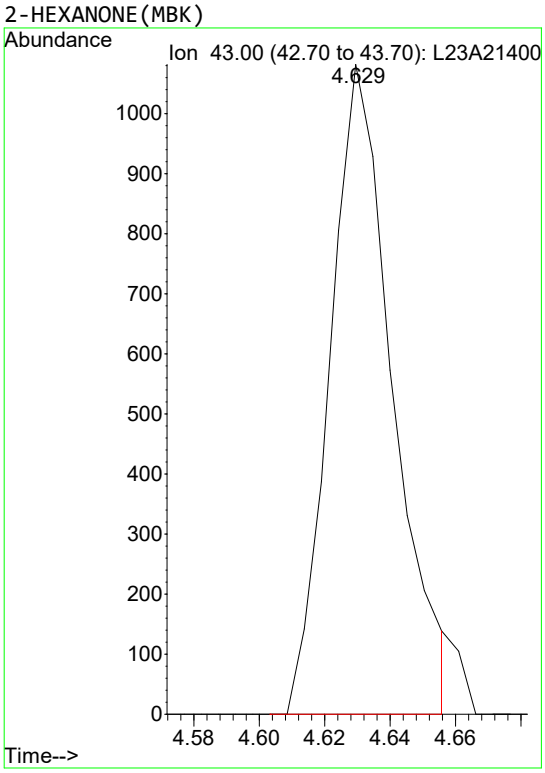
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

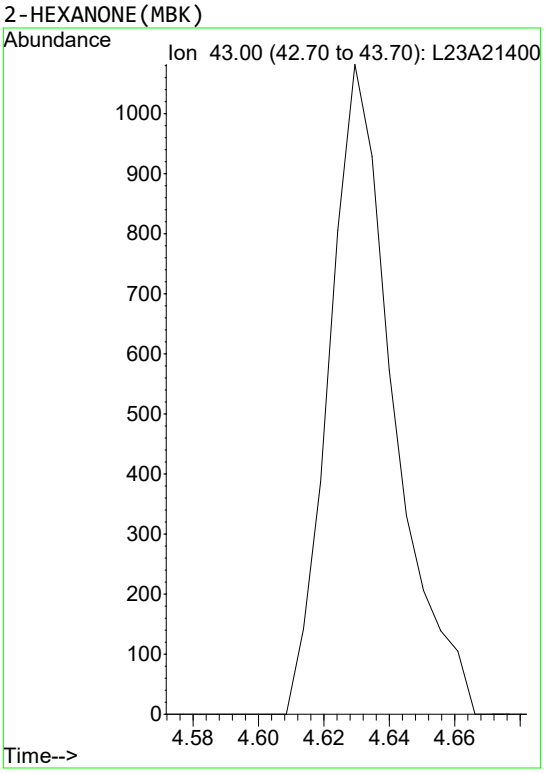
RT : 4.63
Area : 1446
Amount: 0.022379

Manual Int. Results

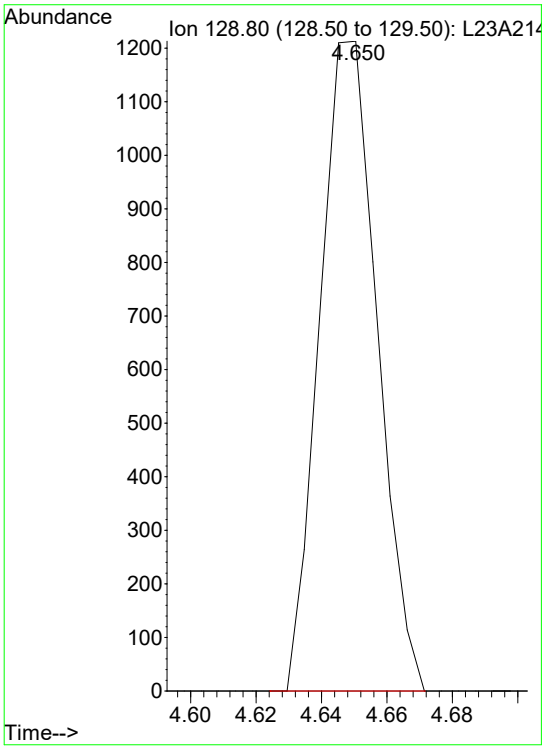
Thu Aug 03 10:32:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

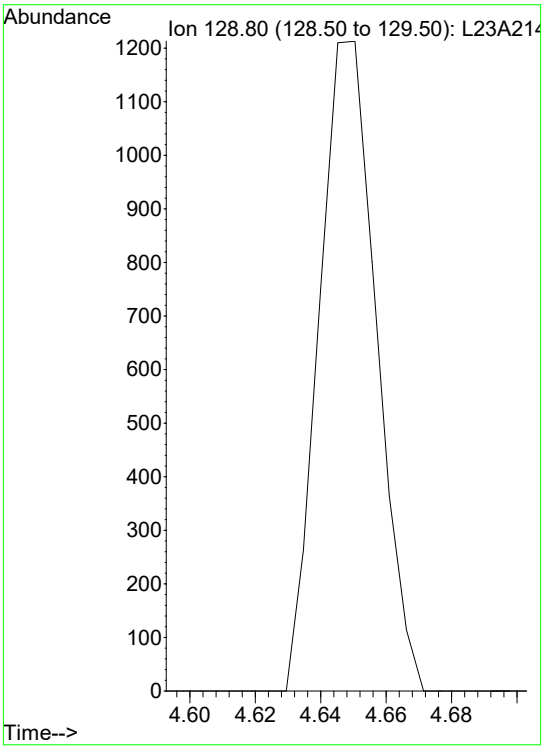
RT : 4.65
Area : 1484
Amount: 0.0271617

Manual Int. Results

Thu Aug 03 10:32:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

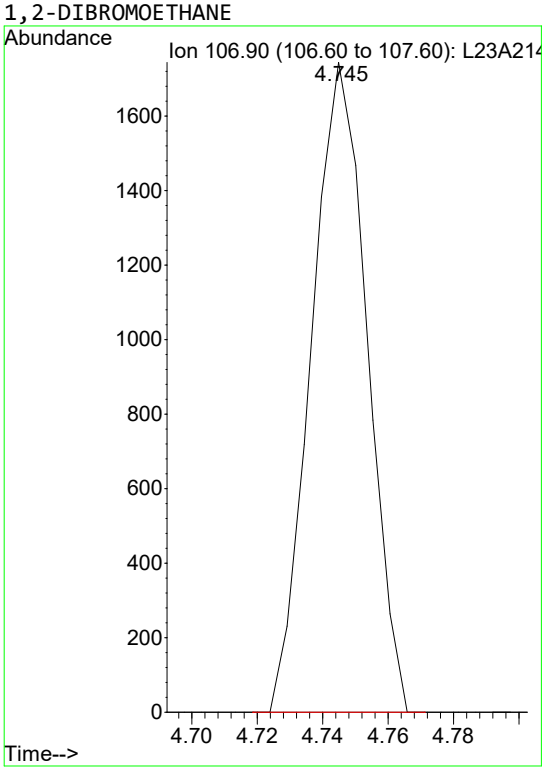
Manual Integration
DIBROMOCHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DIBROMOETHANE



Original Int. Results

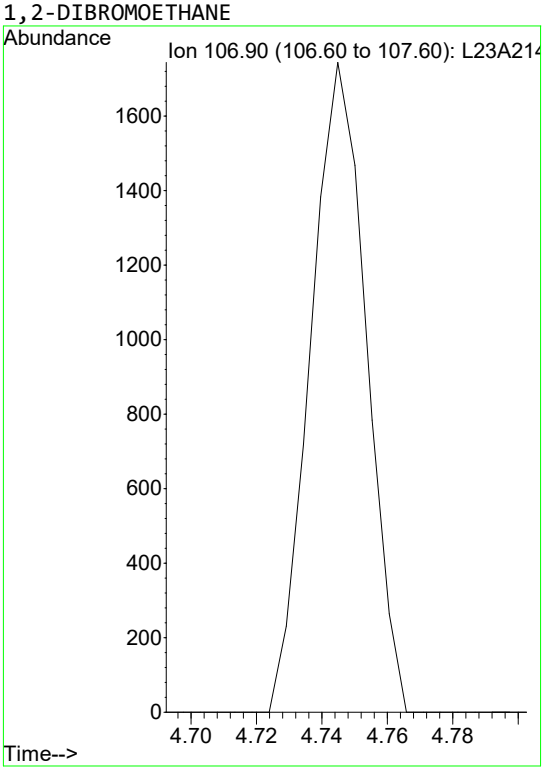
RT : 4.74
Area : 2075
Amount: 0.0402125

Manual Int. Results

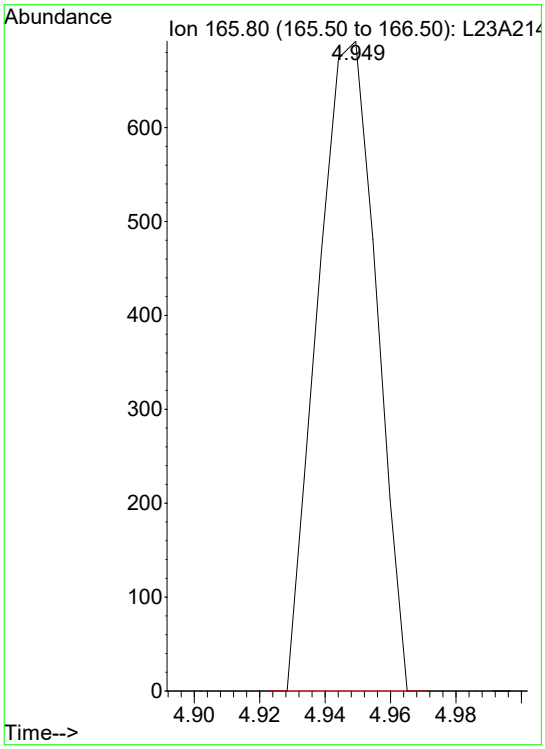
Thu Aug 03 10:32:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DIBROMOETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

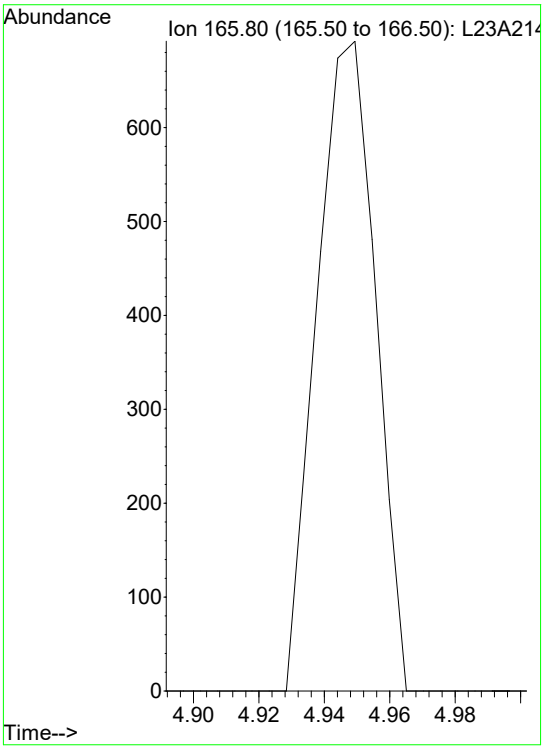
RT : 4.95
Area : 864
Amount: 0.0211636

Manual Int. Results

Thu Aug 03 10:31:58 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

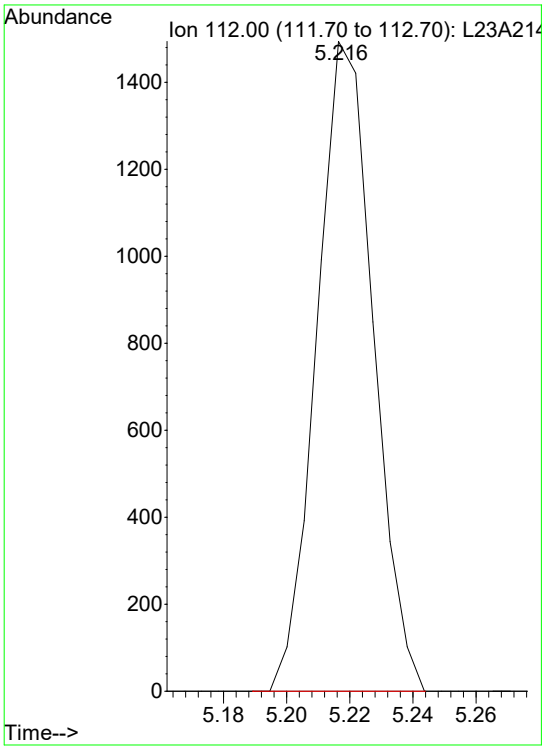
Manual Integration
TETRACHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROBENZENE



Original Int. Results

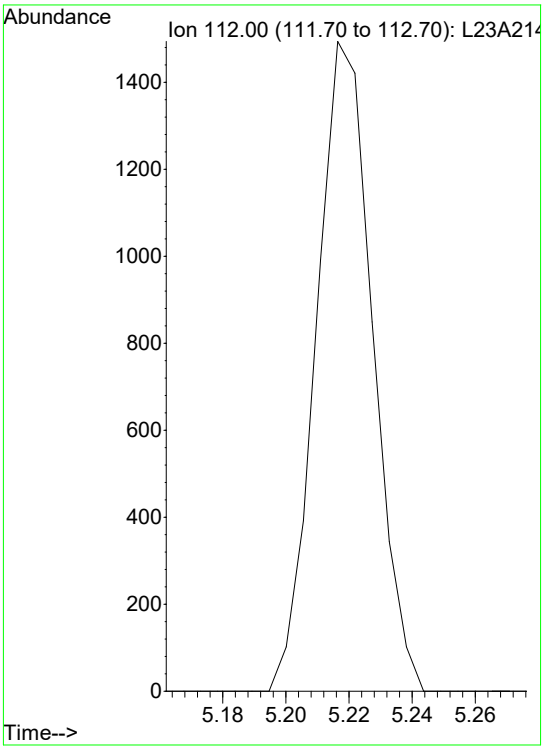
RT : 5.22
Area : 1859
Amount: 0.0265623

Manual Int. Results

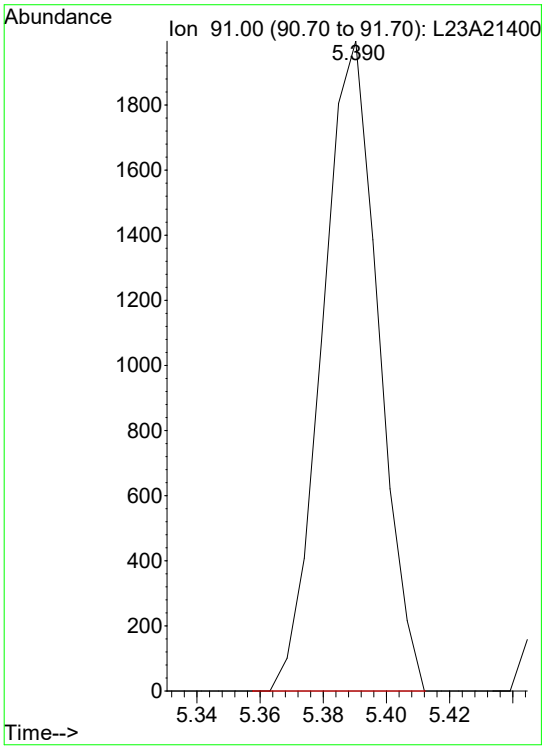
Thu Aug 03 10:31:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
ETHYLBENZENE



Original Int. Results

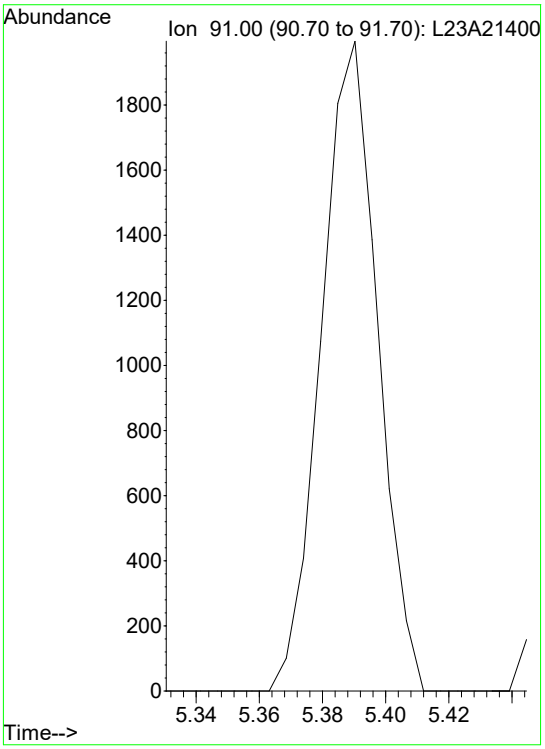
RT : 5.39
Area : 2479
Amount: 0.0213455

Manual Int. Results

Thu Aug 03 10:31:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

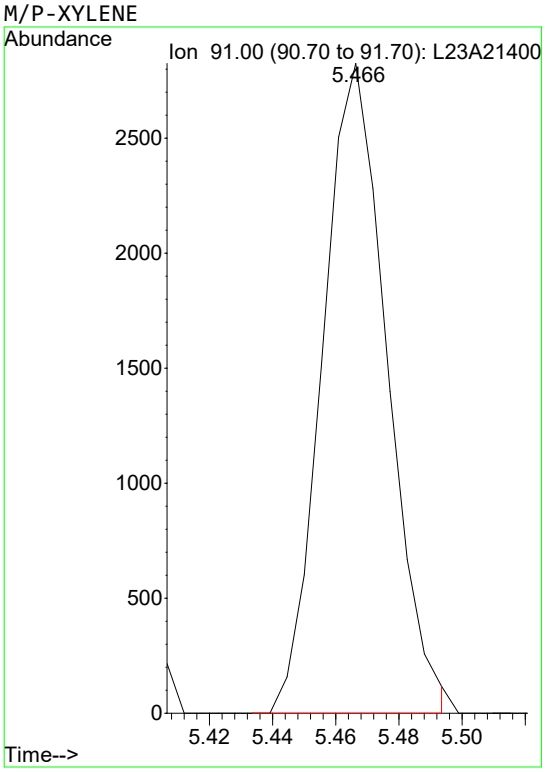
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
M/P-XYLENE



Original Int. Results

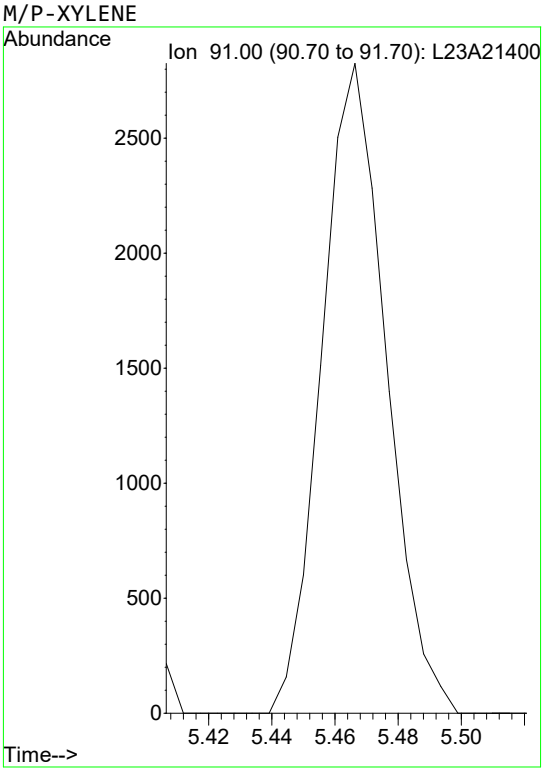
RT : 5.47
Area : 4017
Amount: 0.0426368

Manual Int. Results

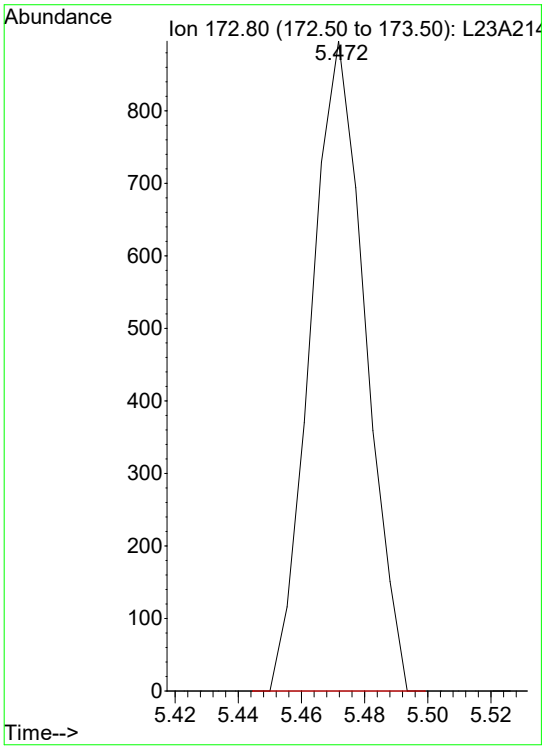
Thu Aug 03 10:31:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

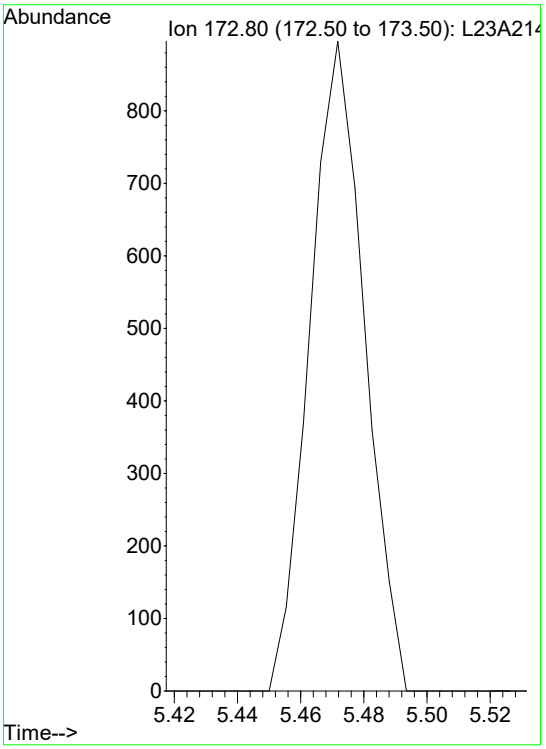
RT : 5.47
Area : 1081
Amount: 0.0245524

Manual Int. Results

Thu Aug 03 10:31:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

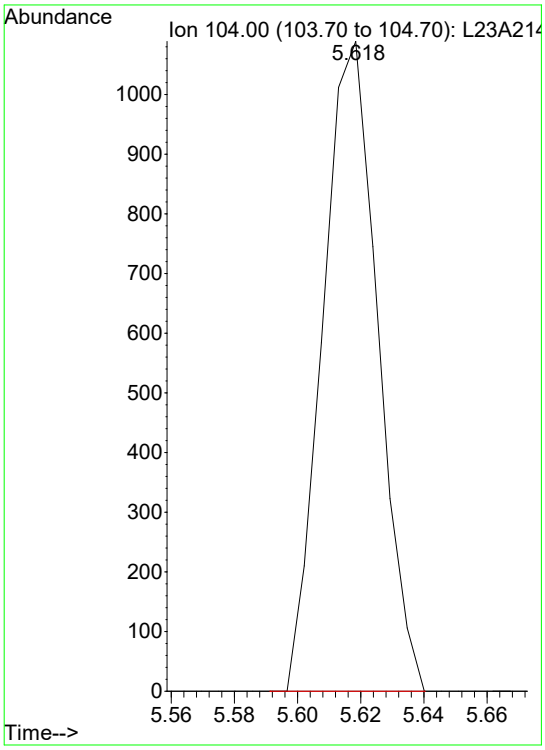
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
STYRENE



Original Int. Results

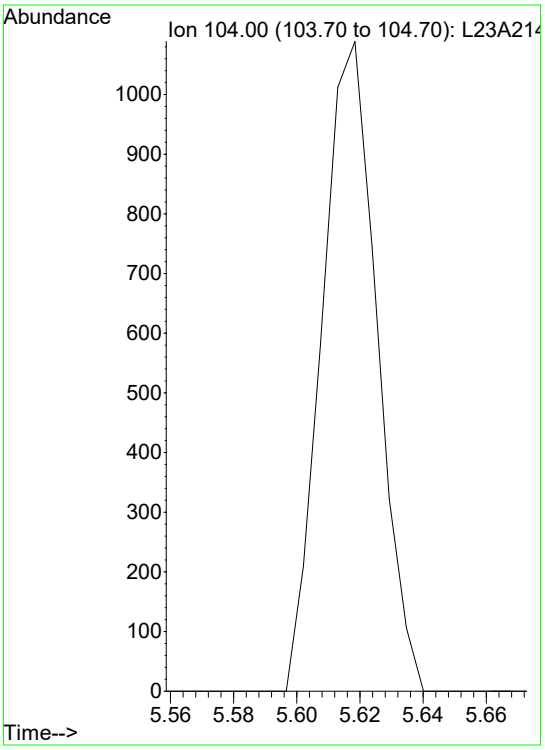
RT : 5.62
Area : 1326
Amount: 0.0210387

Manual Int. Results

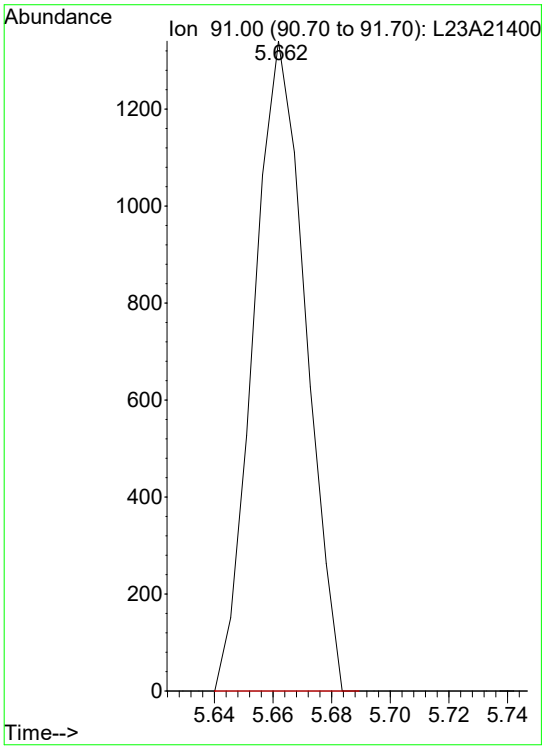
Thu Aug 03 10:31:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

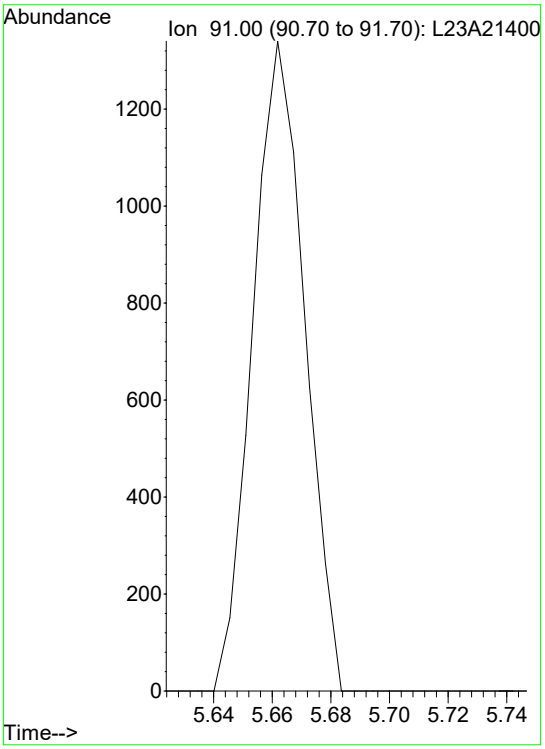
RT : 5.66
Area : 1657
Amount: 0.0183497

Manual Int. Results

Thu Aug 03 10:31:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

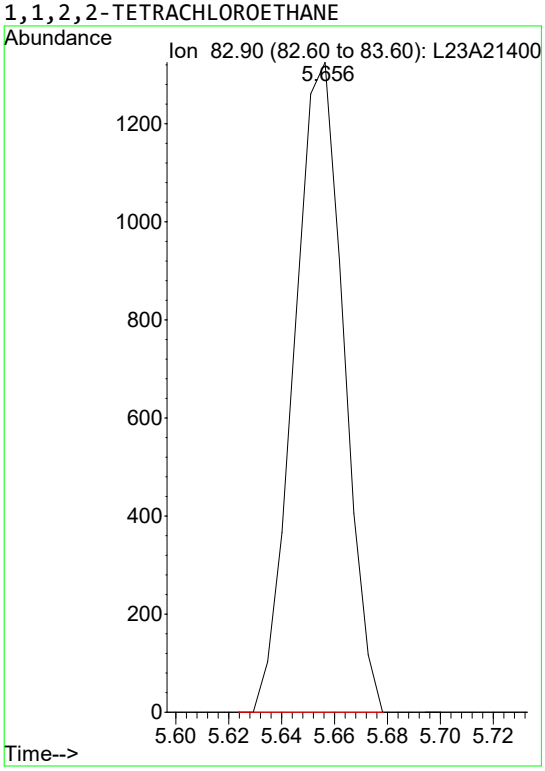
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

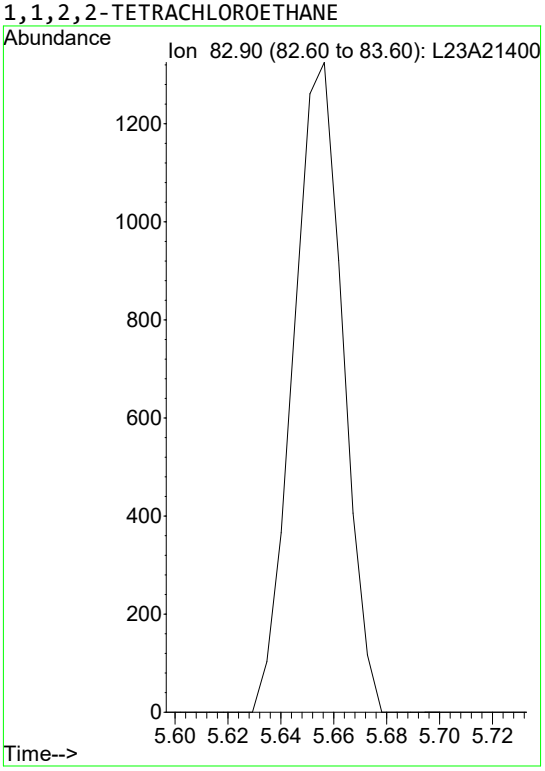
RT : 5.66
Area : 1732
Amount: 0.0277469

Manual Int. Results

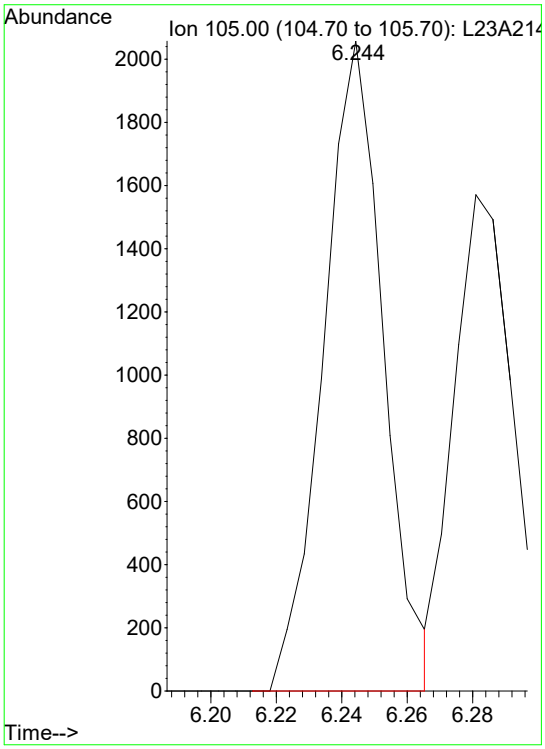
Thu Aug 03 10:31:46 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

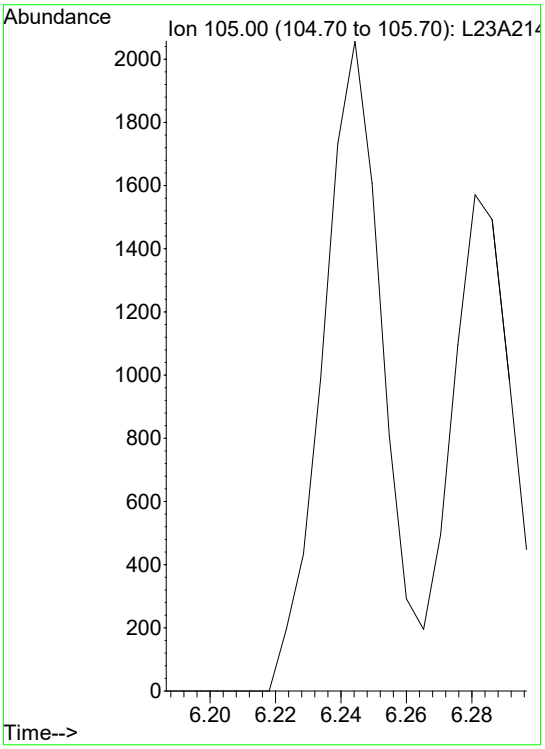
RT : 6.24
Area : 2614
Amount: 0.0219409

Manual Int. Results

Thu Aug 03 10:31:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

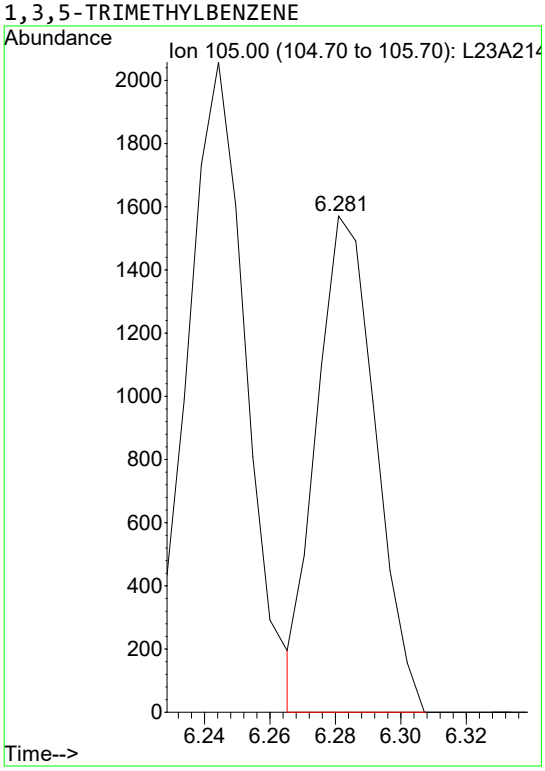
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

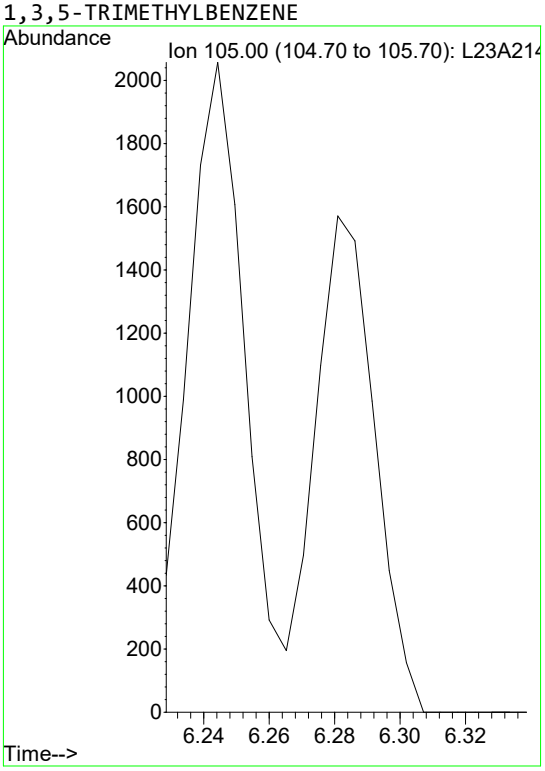
RT : 6.28
Area : 1965
Amount: 0.0201481

Manual Int. Results

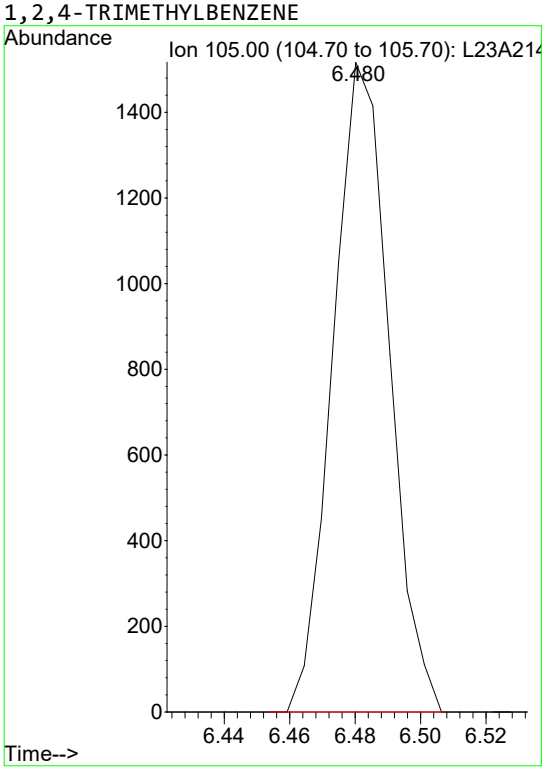
Thu Aug 03 10:31:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

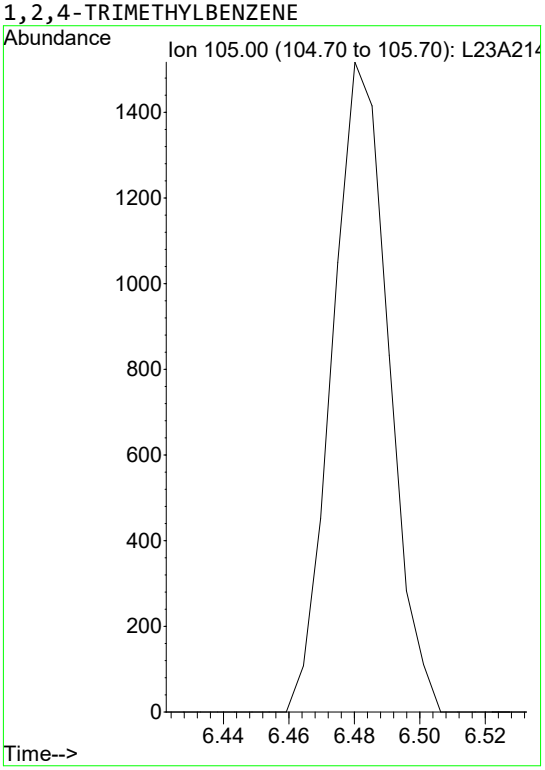
RT : 6.48
Area : 1815
Amount: 0.019068

Manual Int. Results

Thu Aug 03 10:31:41 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

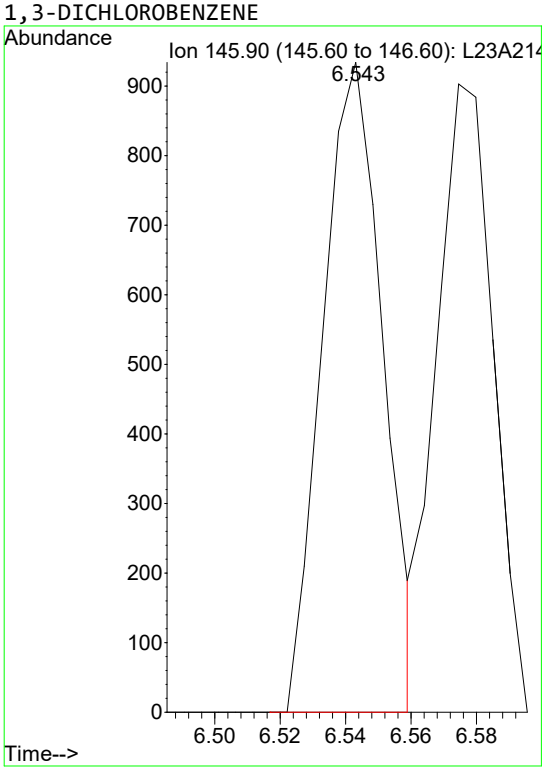
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

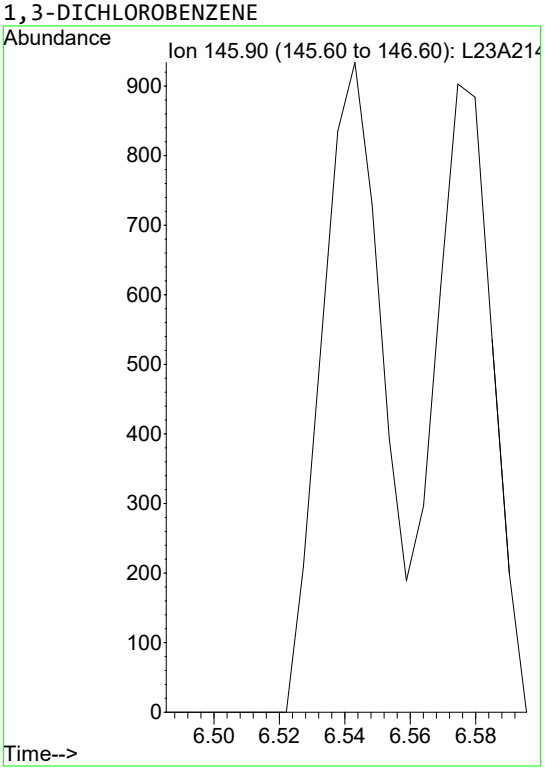
RT : 6.54
Area : 1200
Amount: 0.0221572

Manual Int. Results

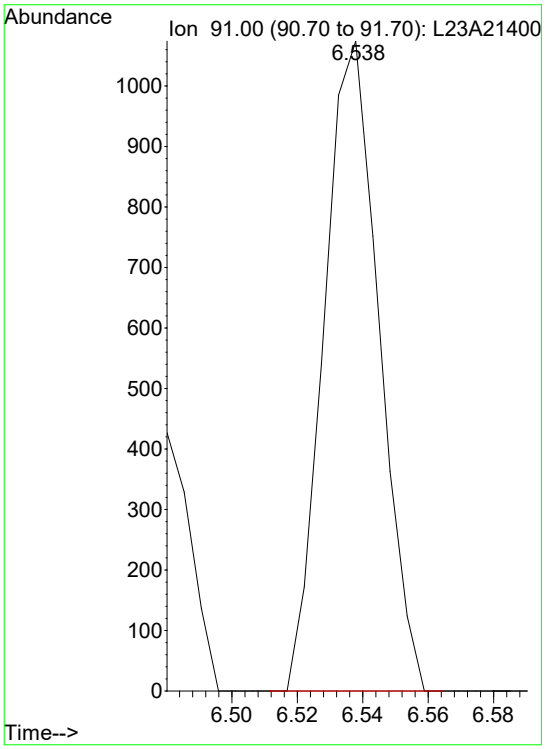
Thu Aug 03 10:31:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

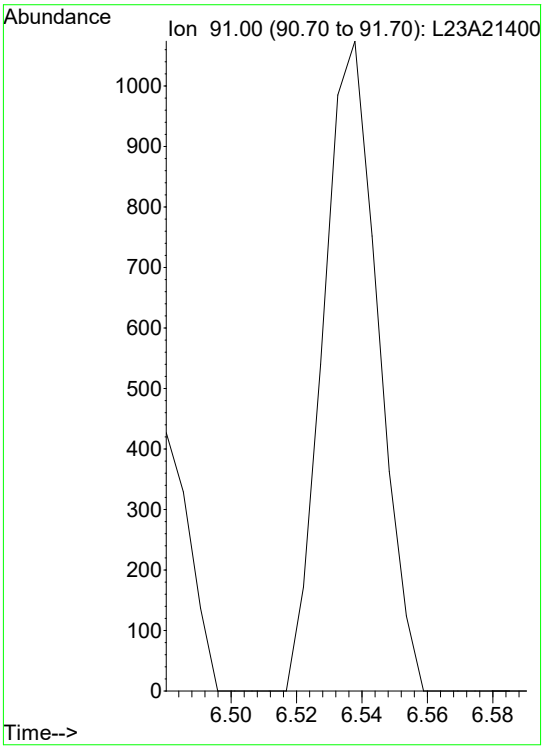
RT : 6.54
Area : 1262
Amount: 0.0241576

Manual Int. Results

Thu Aug 03 10:31:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

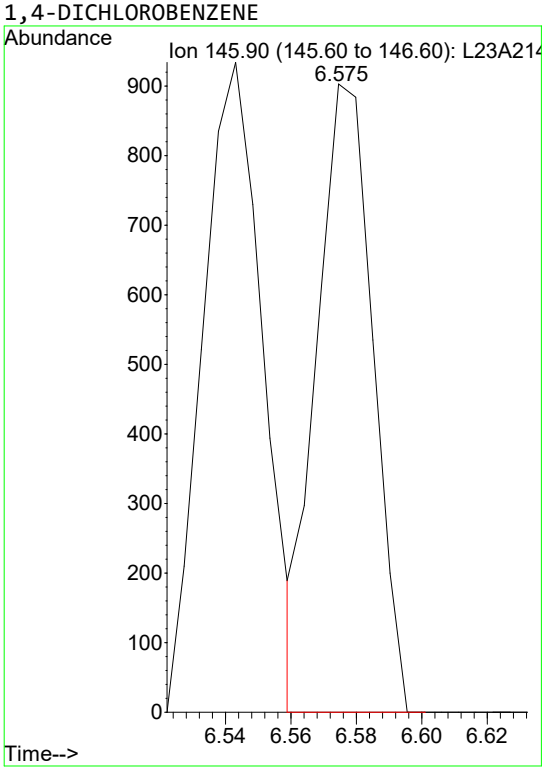
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

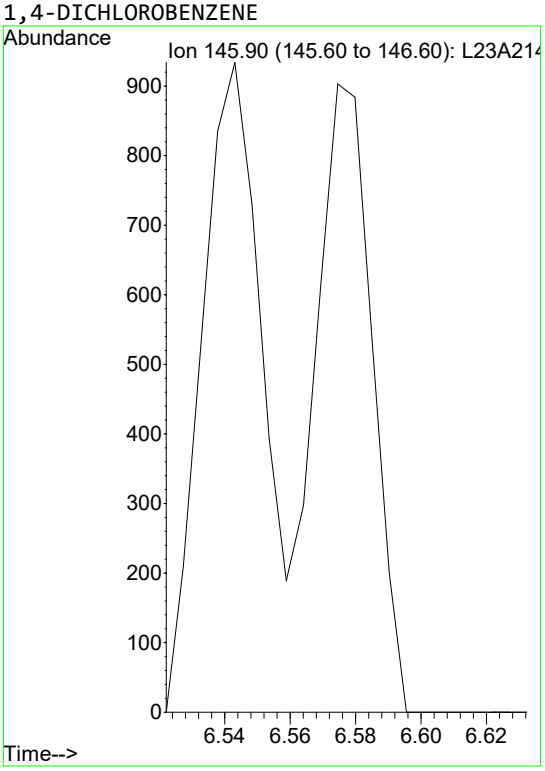
RT : 6.57
Area : 1079
Amount: 0.0217421

Manual Int. Results

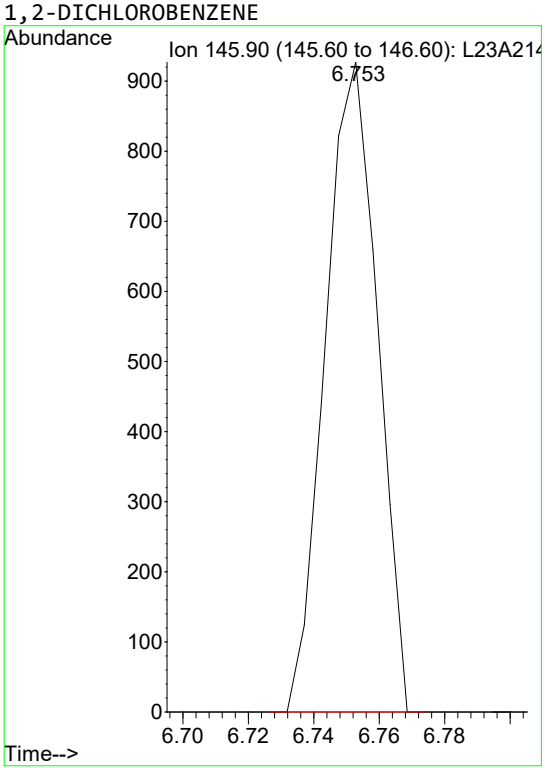
Thu Aug 03 10:31:35 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DICHLOROBENZENE



Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

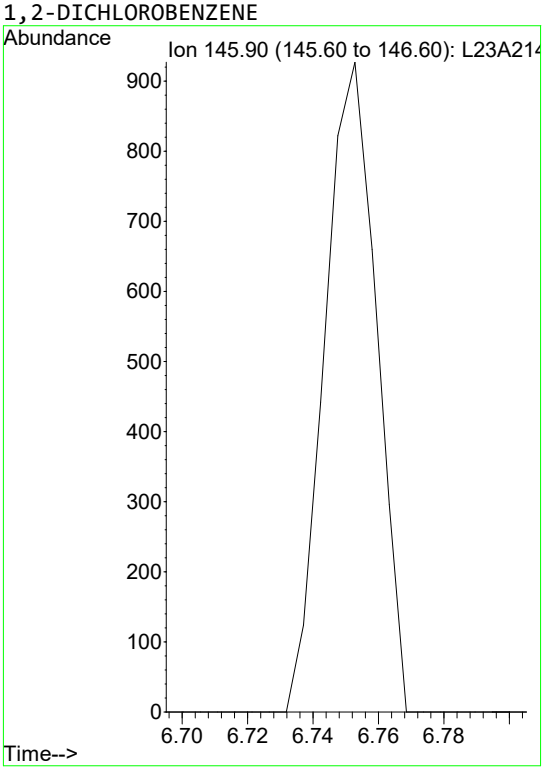
RT : 6.75
Area : 1029
Amount: 0.0202762

Manual Int. Results

Thu Aug 03 10:31:34 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

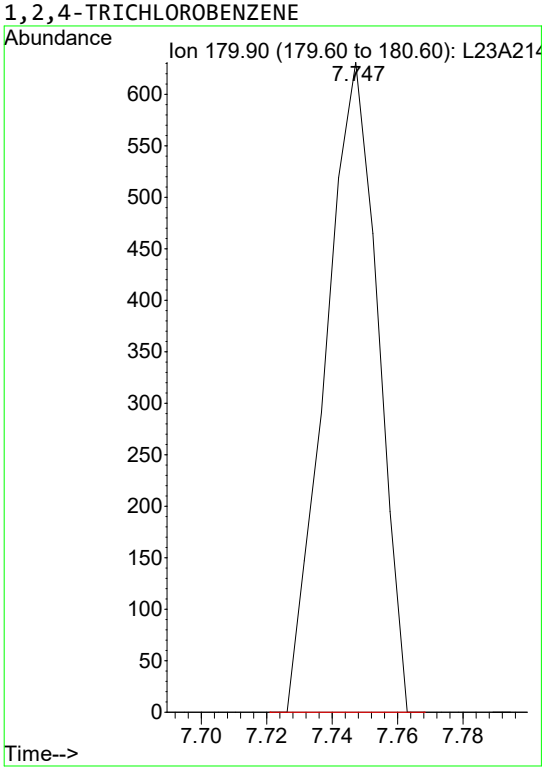
Manual Integration
1,2-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

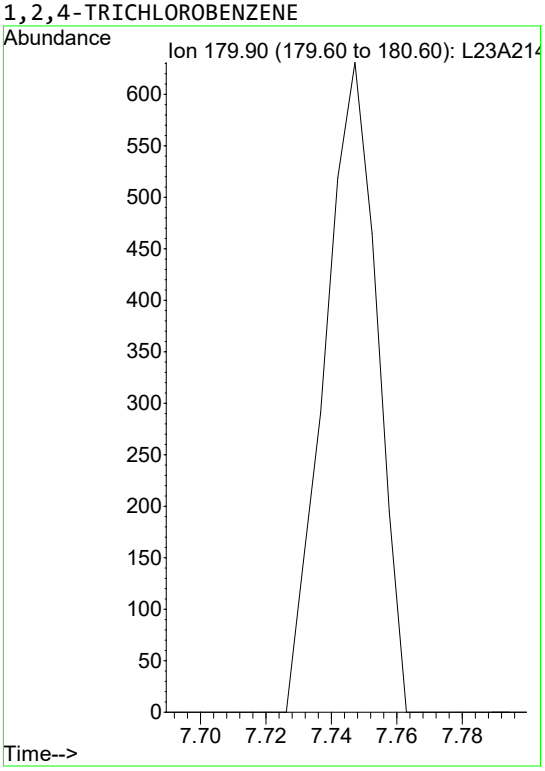
RT : 7.75
Area : 707
Amount: 0.0369319

Manual Int. Results

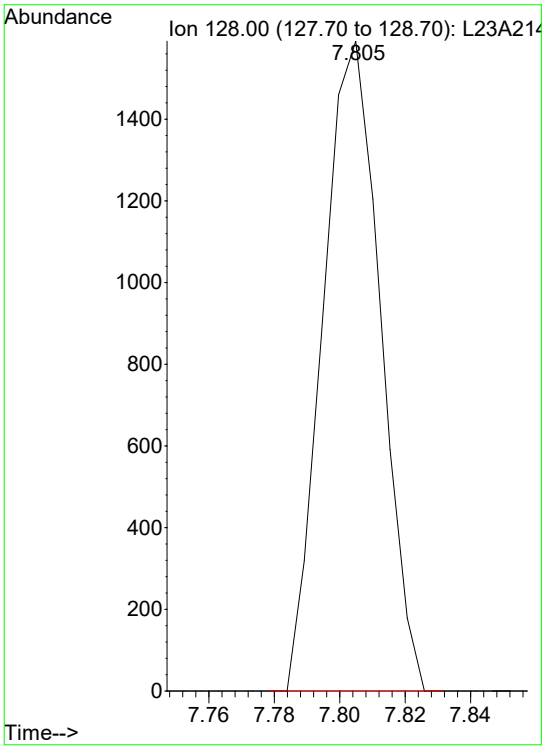
Thu Aug 03 10:31:32 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

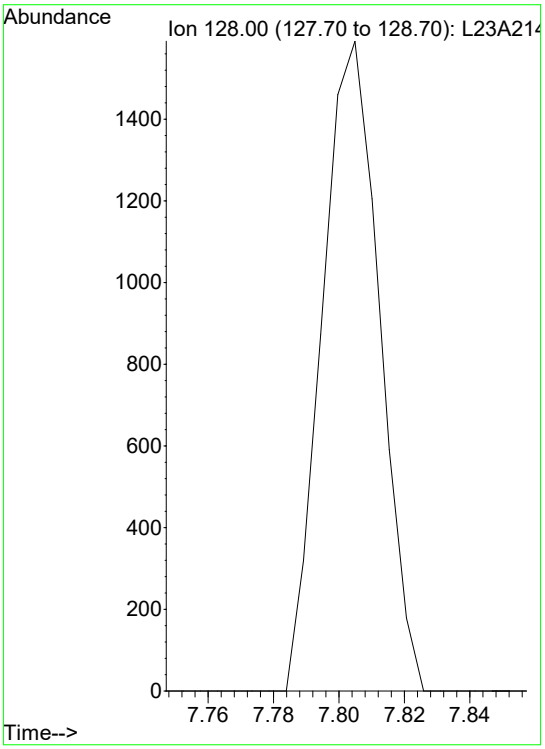
RT : 7.80
Area : 1956
Amount: 0.0417255

Manual Int. Results

Thu Aug 03 10:31:31 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

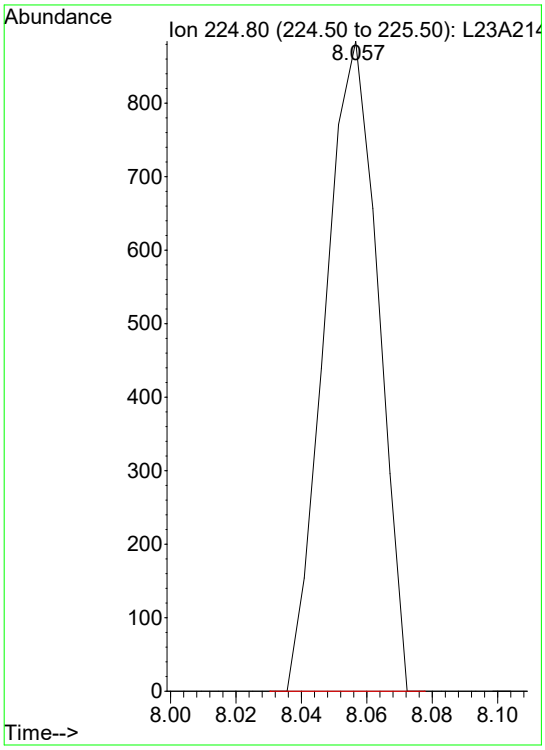
Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

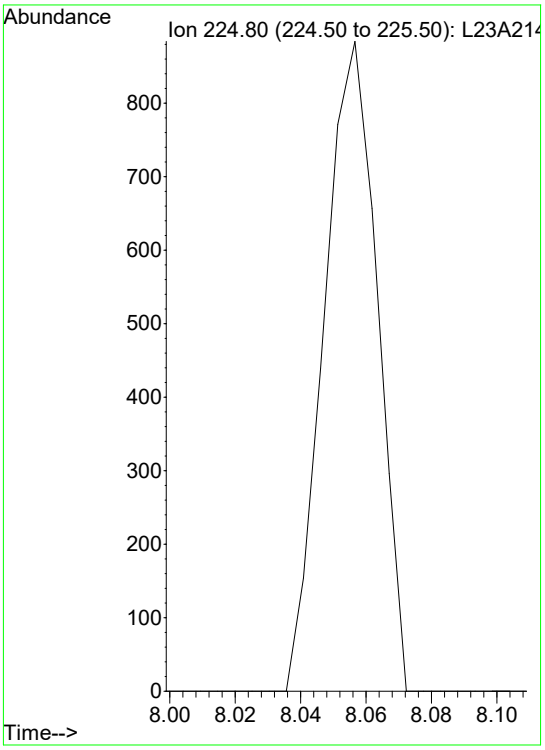
RT : 8.06
Area : 1008
Amount: 0.0357635

Manual Int. Results

Thu Aug 03 10:31:27 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214007.D Vial: 2
Acq On : 02 Aug 2023 05:50 pm Operator: CMR
Sample : 0.025PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:31 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214007.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	323562	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	882852	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	832935	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.868	49	356610	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	943774	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	927182	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	451290	8.038	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 100.50%			
88) 4-BROMOFLUOROBENZENE (...	5.859	174	466378	7.878	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.535	85	1616	0.025	PPBV	80
4) CHLOROMETHANE	1.572	50	777	0.032	PPBV	67
5) FREON 114	1.598	85	1763	0.027	PPBV	91
6) VINYL CHLORIDE	1.630	62	721	0.026	PPBV #	44
9) CHLOROETHANE	1.777	64	816	0.055	PPBV	75
11) ACETONE	1.944	43	5264	0.113	PPBV	93
12) TRICHLOROFLUOROMETHANE	1.986	101	2077	0.031	PPBV	100
14) 1,1-DICHLOROETHENE	2.175	61	1083	0.024	PPBV	76
15) METHYLENE CHLORIDE	2.208	49	1658	0.051	PPBV #	70
16) FREON 113	2.300	101	1432	0.026	PPBV	99
17) CARBON DISULFIDE	2.300	76	2465	0.031	PPBV	94
18) TRANS-1,2-DICHLOROETHENE	2.502	61	1293	0.030	PPBV	82
19) 1,1-DICHLOROETHANE	2.556	63	1428	0.027	PPBV	80
20) MTBE	2.594	73	2404	0.028	PPBV	98
21) IPA	2.018	45	2737	0.058	PPBV	80
22) 2-BUTANONE(MEK)	2.692	43	2148	0.042	PPBV	97
23) CIS-1,2-DICHLOROETHENE	2.817	61	879	0.024	PPBV	94
27) CHLOROFORM	2.914	83	1463	0.026	PPBV	92
29) 1,2-DICHLOROETHANE	3.155	62	1096	0.030	PPBV #	83
31) 1,1,1-TRICHLOROETHANE	3.250	97	1388	0.026	PPBV	97
32) BENZENE	3.403	78	2319	0.029	PPBV	99
33) CARBON TETRACHLORIDE	3.457	117	1256	0.023	PPBV	86
34) CYCLOHEXANE	3.506	84	1131	0.036	PPBV #	57
35) 1,2-DICHLOROPROPANE	3.703	63	673	0.024	PPBV #	70
36) BROMODICHLOROMETHANE	3.771	83	1467	0.026	PPBV	85
37) TRICHLOROETHENE	3.792	95	1018	0.029	PPBV	93
40) HEPTANE	3.923	57	776	0.022	PPBV	83
42) CIS-1,3-DICHLOROPROPENE	4.115	75	1223	0.029	PPBV	91
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	1032	0.028	PPBV	98
45) 1,1,2-TRICHLOROETHANE	4.383	97	609	0.020	PPBV #	39
46) TOLUENE	4.493	91	2872	0.030	PPBV	100
48) DIBROMOCHLOROMETHANE	4.650	129	1441	0.026	PPBV #	74
49) 1,2-DIBROMOETHANE	4.745	107	2413	0.047	PPBV	95
50) TETRACHLOROETHENE	4.944	166	1133	0.028	PPBV	78
51) CHLOROBENZENE	5.217	112	1987	0.028	PPBV #	1
52) ETHYLBENZENE	5.391	91	3094	0.027	PPBV	95
53) M/P-XYLENE	5.467	91	4872	0.052	PPBV	99
54) BROMOFORM	5.472	173	1347	0.030	PPBV	95
55) STYRENE	5.619	104	1793	0.028	PPBV	89
56) O-XYLENE	5.662	91	2251	0.025	PPBV	94

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214007.D Vial: 2
Acq On : 02 Aug 2023 05:50 pm Operator: CMR
Sample : 0.025PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:31 2023

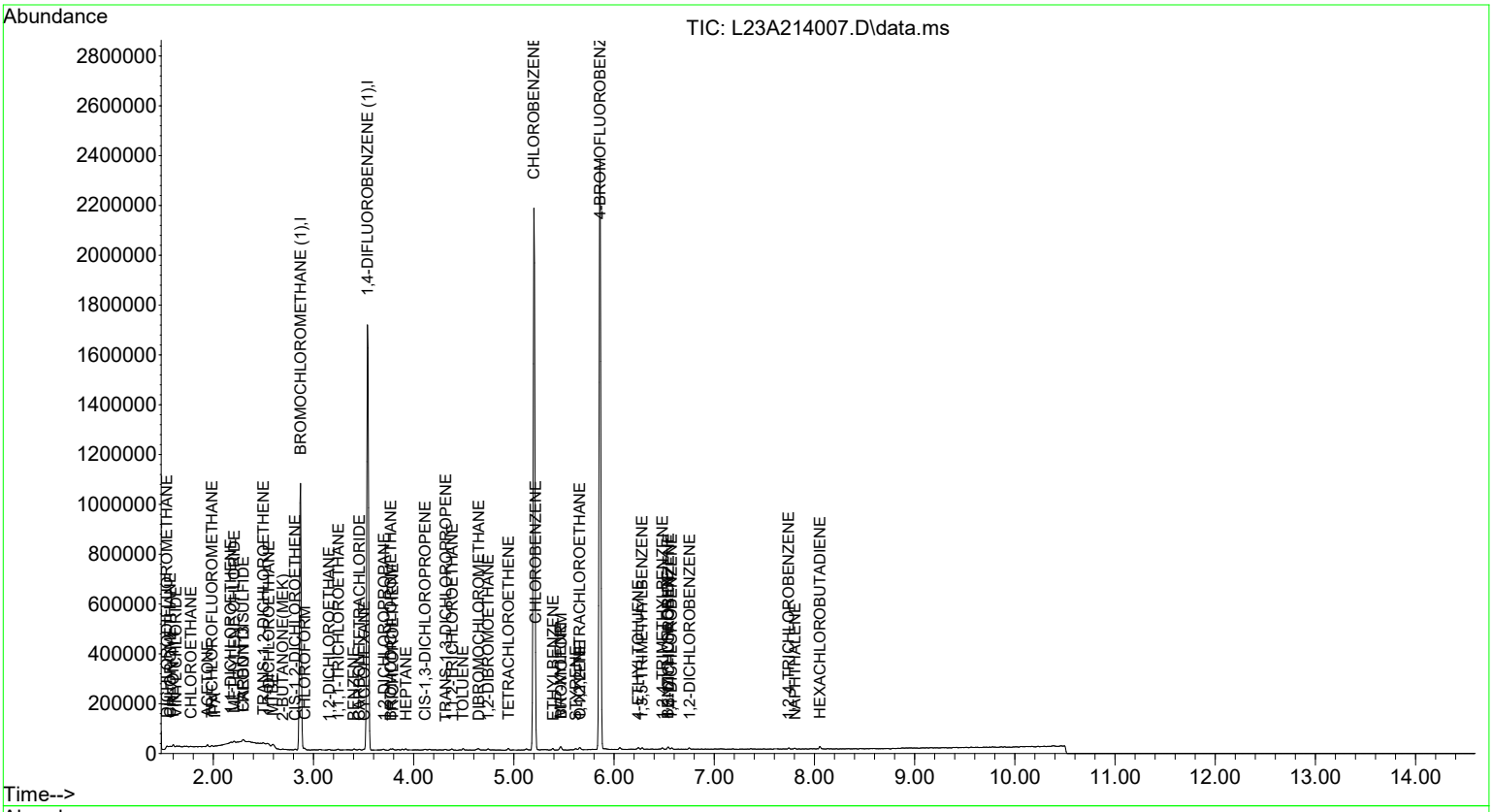
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214007.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

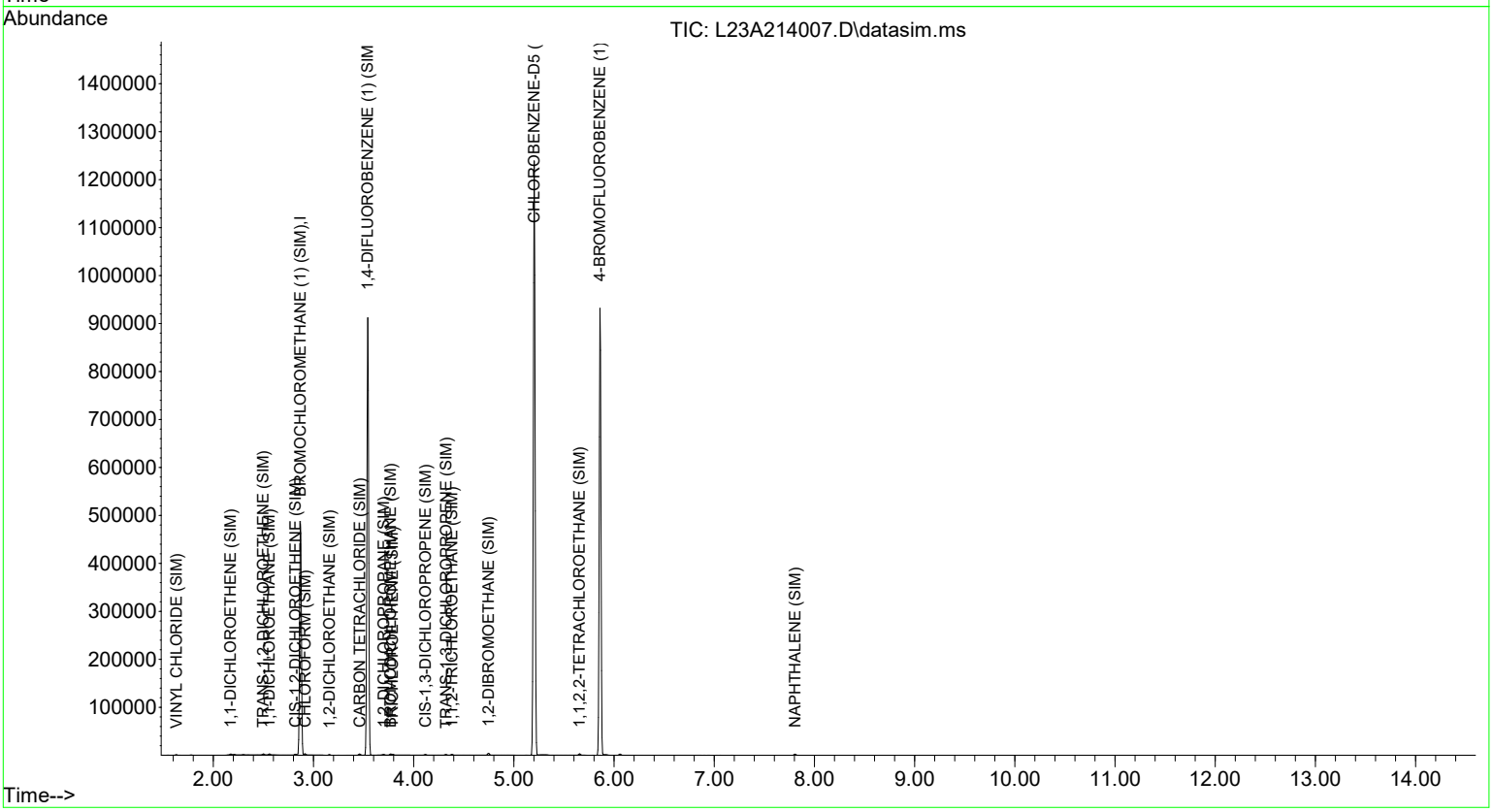
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-TETRACHLOROETHANE	5.657	83	1582	0.025	PPBV	95
59) 4-ETHYLTOLUENE	6.239	105	3227	0.027	PPBV	89
60) 1,3,5-TRIMETHYLBENZENE	6.281	105	2719	0.028	PPBV	91
61) 1,2,4-TRIMETHYLBENZENE	6.480	105	2565	0.027	PPBV	97
62) 1,3-DICHLOROBENZENE	6.543	146	1545	0.028	PPBV	91
63) BENZYL CHLORIDE	6.538	91	1177	0.022	PPBV	76
64) 1,4-DICHLOROBENZENE	6.575	146	1394	0.028	PPBV	91
65) 1,2-DICHLOROBENZENE	6.753	146	1551	0.030	PPBV	93
66) 1,2,4-TRICHLOROBENZENE	7.742	180	716	0.037	PPBV #	83
67) NAPHTHALENE	7.805	128	2191	0.047	PPBv	98
68) HEXACHLOROBUTADIENE	8.057	225	1183	0.042	PPBV	86
70] VINYL CHLORIDE (SIM)	1.632	62	741	0.027	PPBV	94
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	1240	0.027	PPBV	99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	1262	0.028	PPBV	97
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	1514	0.027	PPBV	93
74] CIS-1,2-DICHLOROETHENE...	2.820	61	1047	0.027	PPBV	96
75] CHLOROFORM (SIM)	2.917	83	1630	0.028	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	1065	0.028	PPBV	98
78] CARBON TETRACHLORIDE (...	3.460	117	1591	0.027	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.700	63	747	0.026	PPBV	93
80] BROMODICHLOROMETHANE (...	3.769	83	1696	0.027	PPBV	100
81] TRICHLOROETHENE (SIM)	3.790	95	1034	0.028	PPBV	96
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	1229	0.028	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.323	75	1148	0.030	PPBV	100
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	927	0.027	PPBV	99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	2473	0.043	PPBV	99
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	1977	0.030	PPBV	98
89] NAPHTHALENE (SIM)	7.808	128	2616	0.052	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214007.D Vial: 2
Acq On : 02 Aug 2023 05:50 pm Operator: CMR
Sample : 0.025PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:31 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214007.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

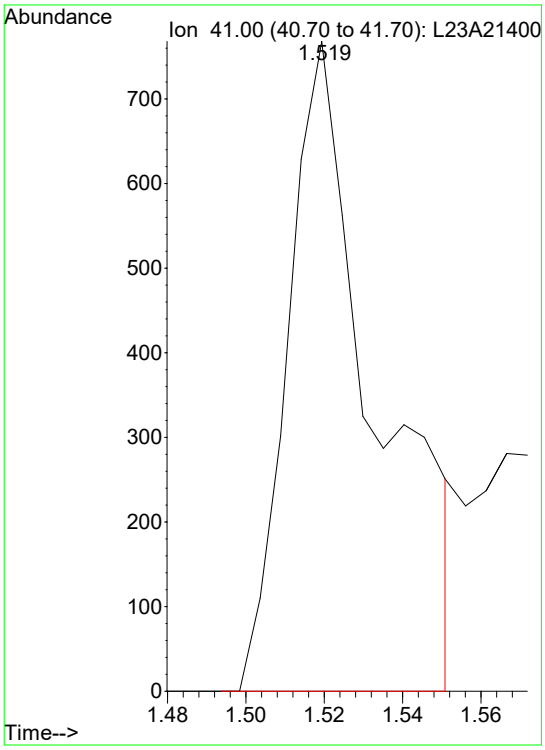




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

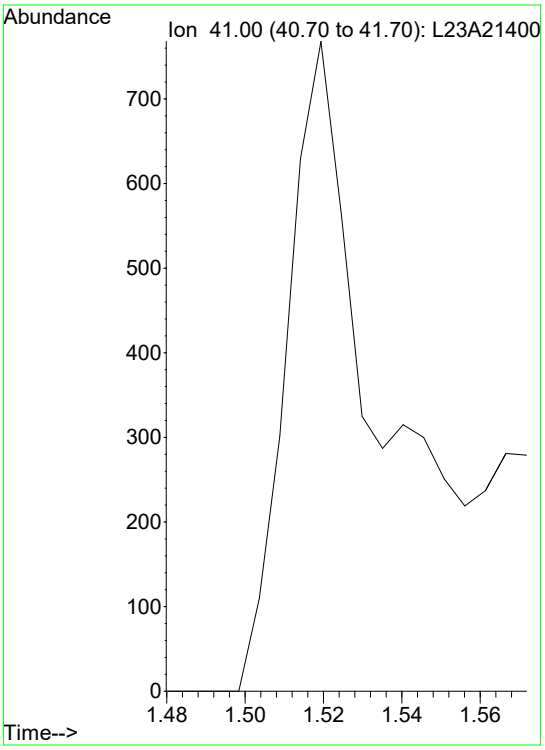
RT : 1.52
Area : 1198
Amount: 0.0760601

Manual Int. Results

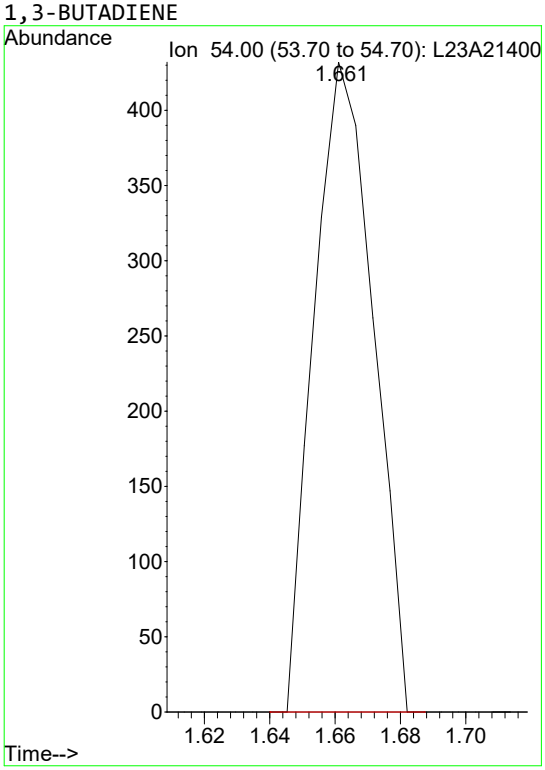
Thu Aug 03 10:24:36 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

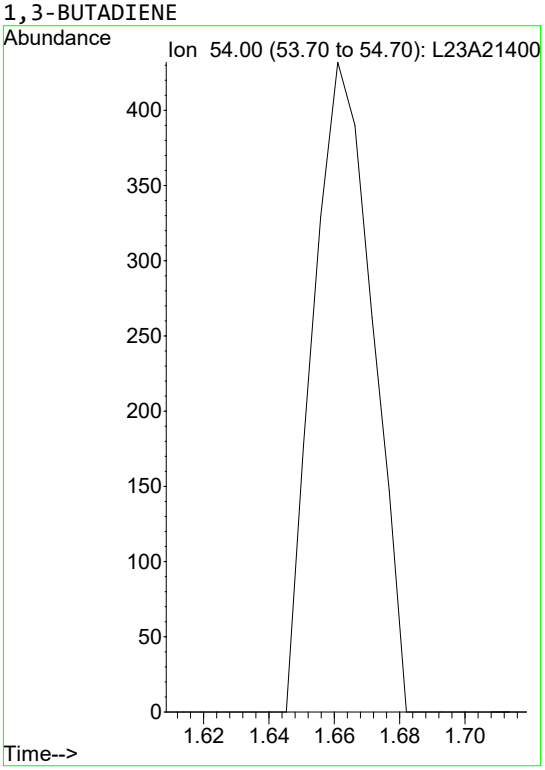
RT : 1.66
Area : 547
Amount: 0.0269245

Manual Int. Results

Thu Aug 03 10:24:56 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

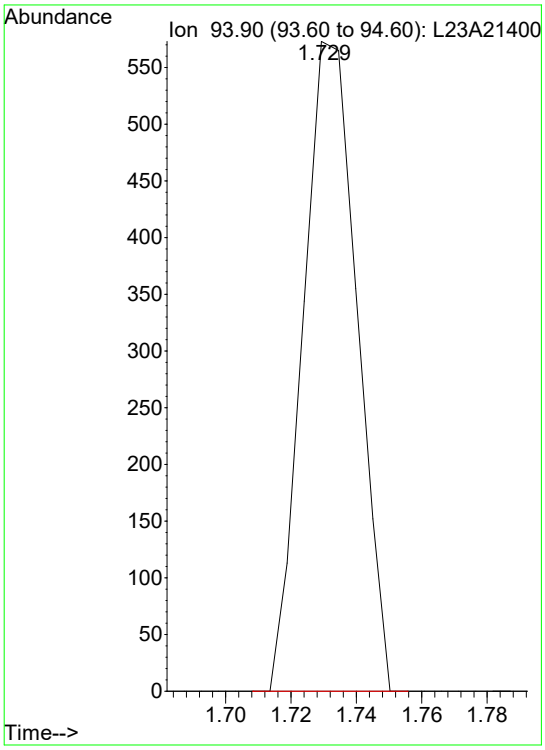
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BROMOMETHANE



Original Int. Results

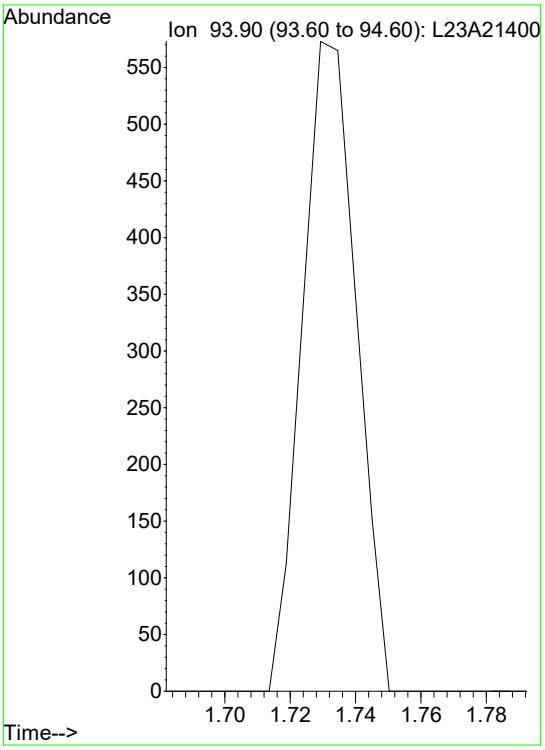
RT : 1.73
Area : 662
Amount: 0.028237

Manual Int. Results

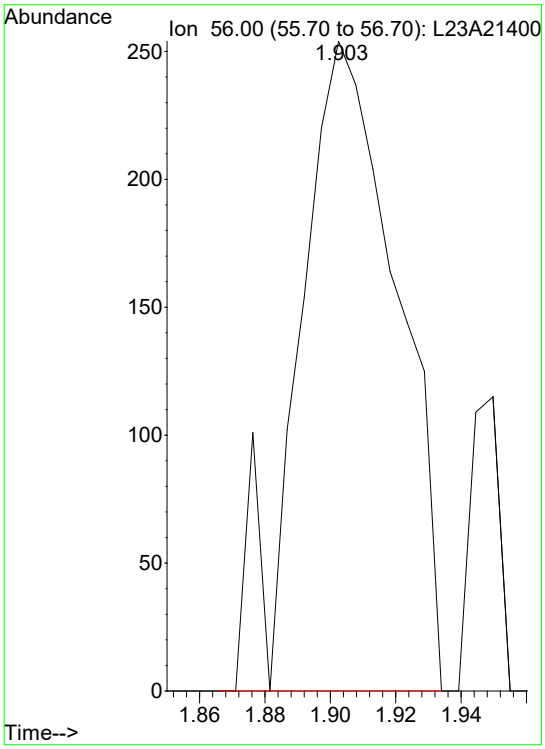
Thu Aug 03 10:25:02 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
ACROLEIN



Original Int. Results

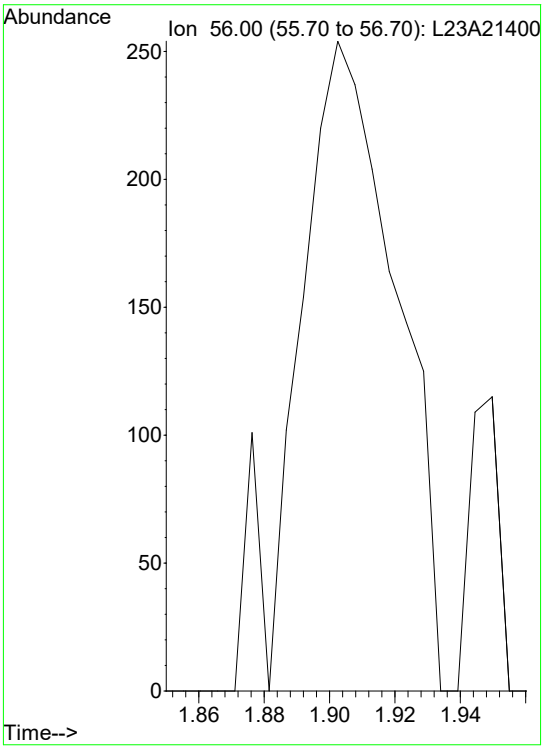
RT : 1.90
Area : 537
Amount: 0.0430432

Manual Int. Results

Thu Aug 03 10:25:11 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

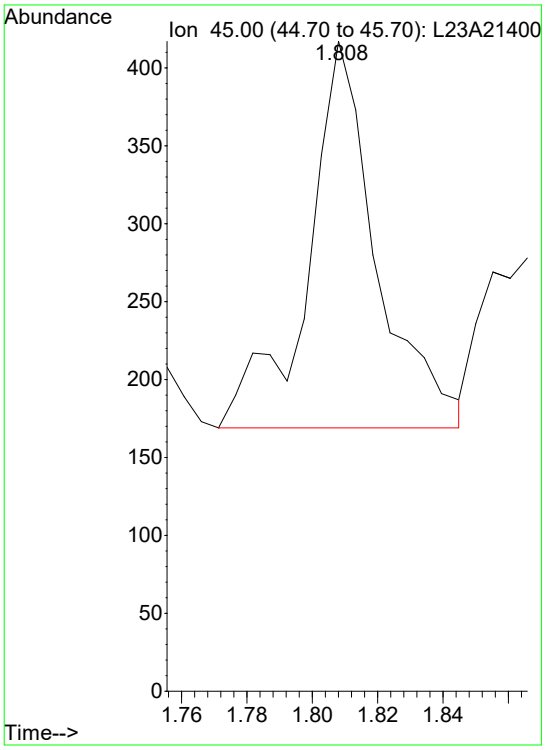
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHANOL



Original Int. Results

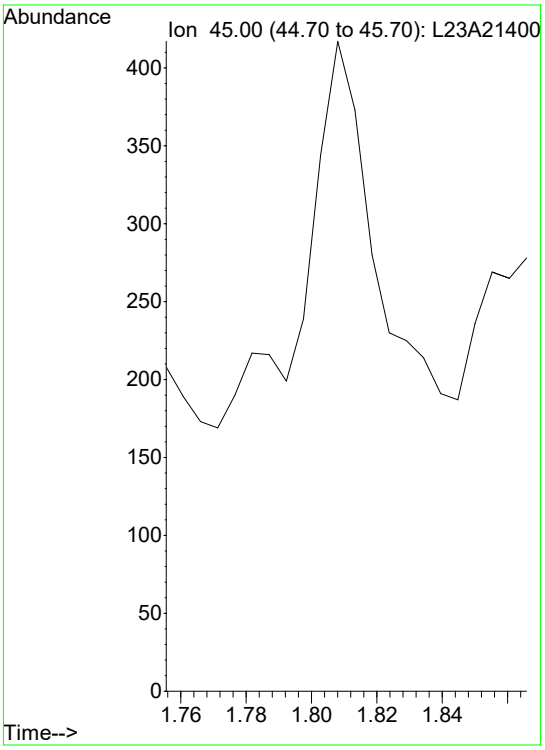
RT : 1.81
Area : 364
Amount: 0.0408588

Manual Int. Results

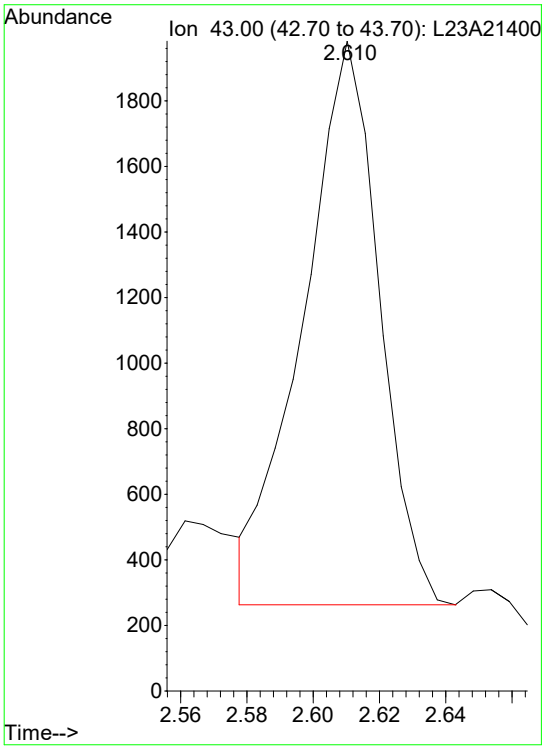
Thu Aug 03 10:25:20 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
VINYL ACETATE



Original Int. Results

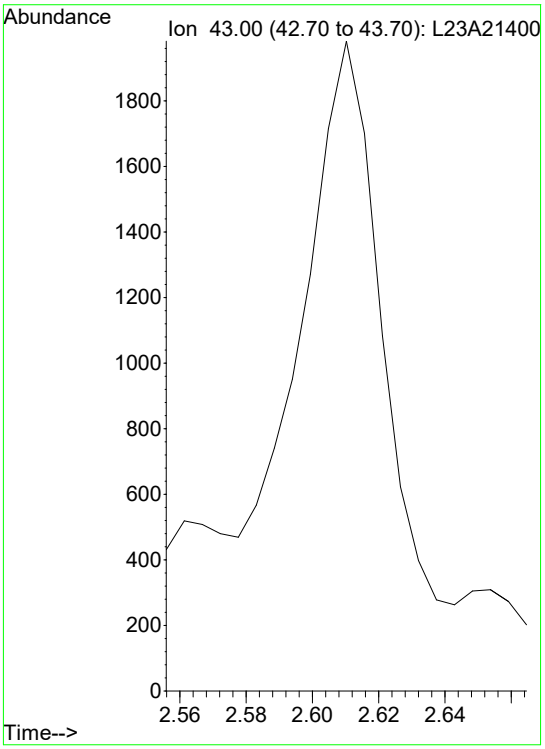
RT : 2.61
Area : 2745
Amount: 0.0476275

Manual Int. Results

Thu Aug 03 10:25:51 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

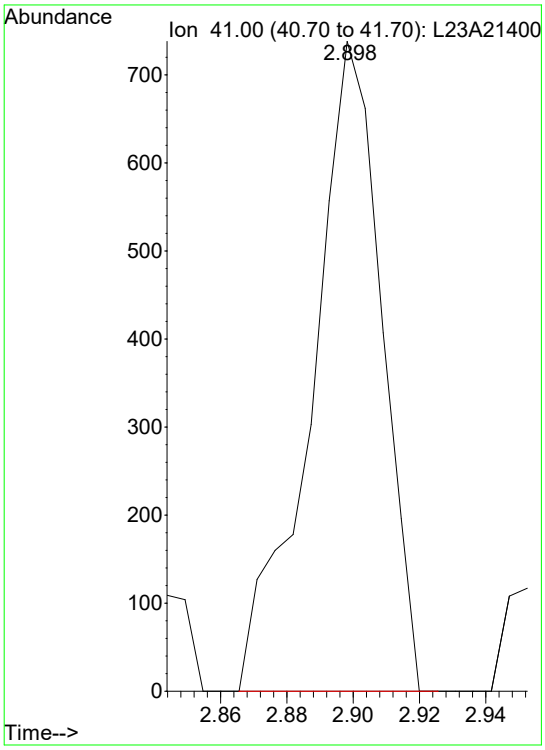
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXANE



Original Int. Results

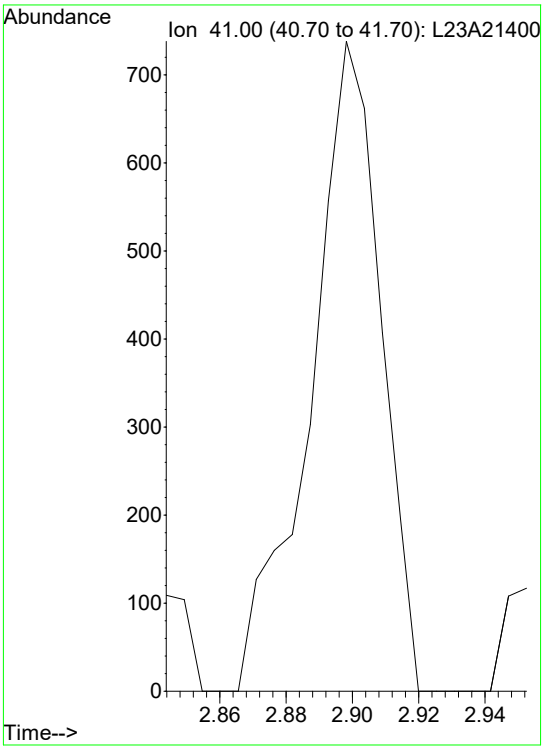
RT : 2.90
Area : 1085
Amount: 0.037473

Manual Int. Results

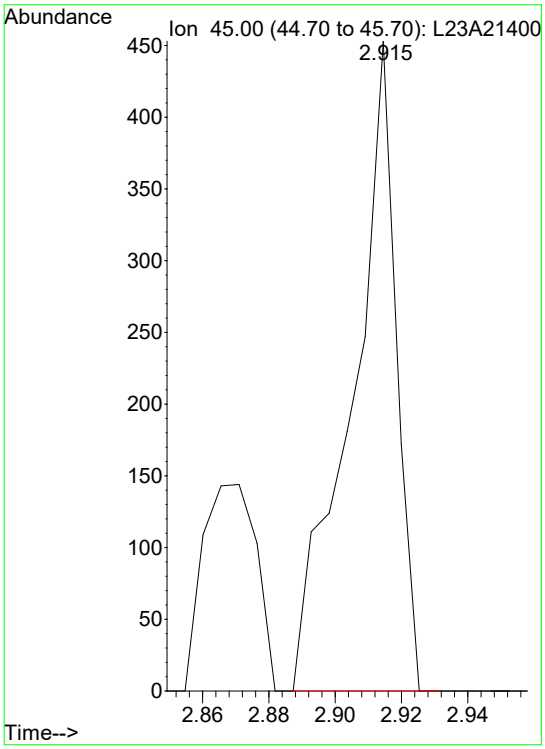
Thu Aug 03 10:25:55 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
ETHYL ACETATE



Original Int. Results

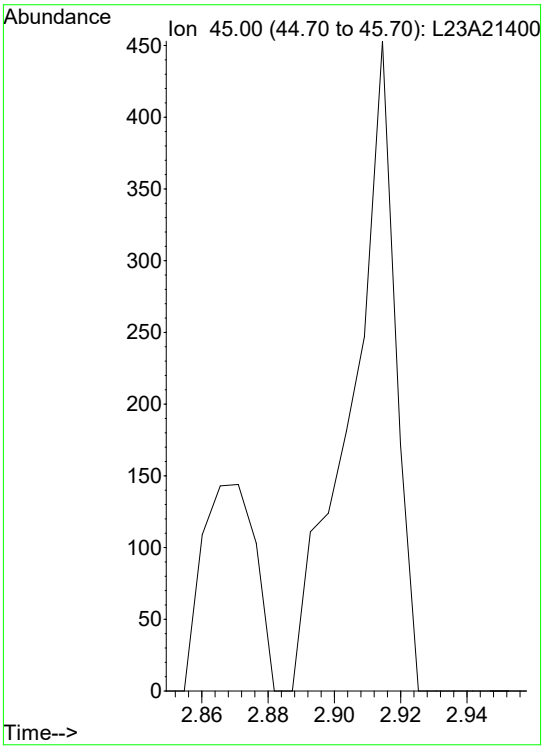
RT : 2.91
Area : 420
Amount: 0.0434556

Manual Int. Results

Thu Aug 03 10:26:01 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

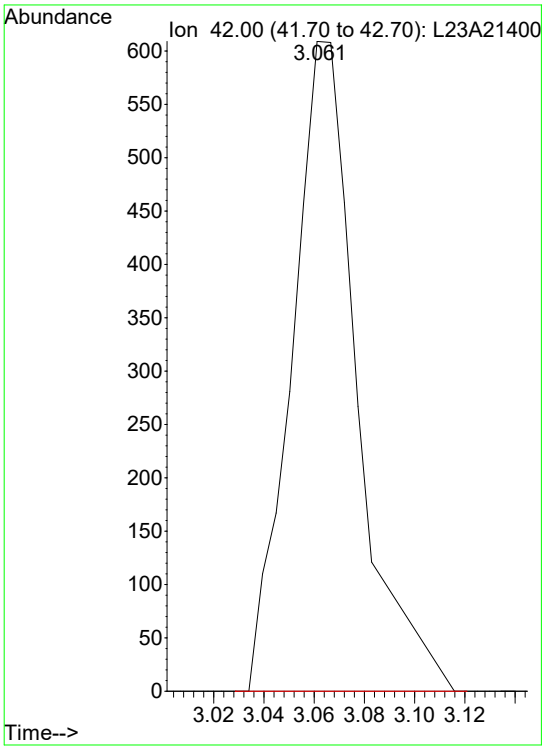
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

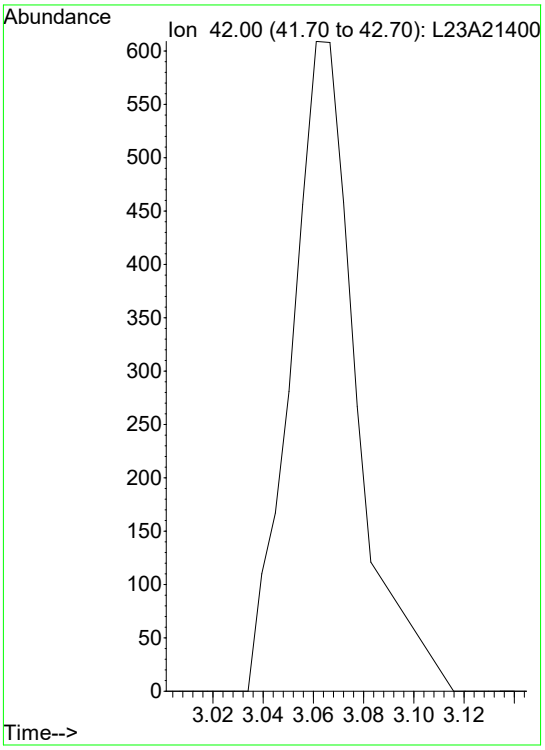
RT : 3.06
Area : 1414
Amount: 0.0361756

Manual Int. Results

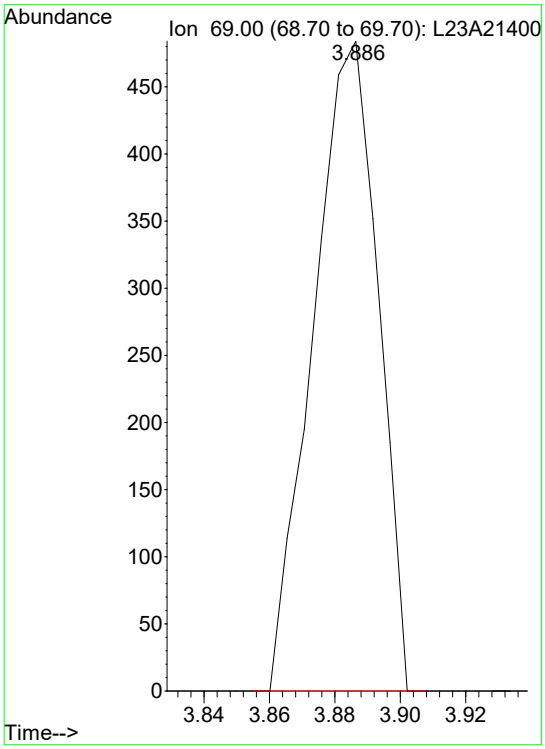
Thu Aug 03 10:26:08 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
METHYLMETHACRYLATE



Original Int. Results

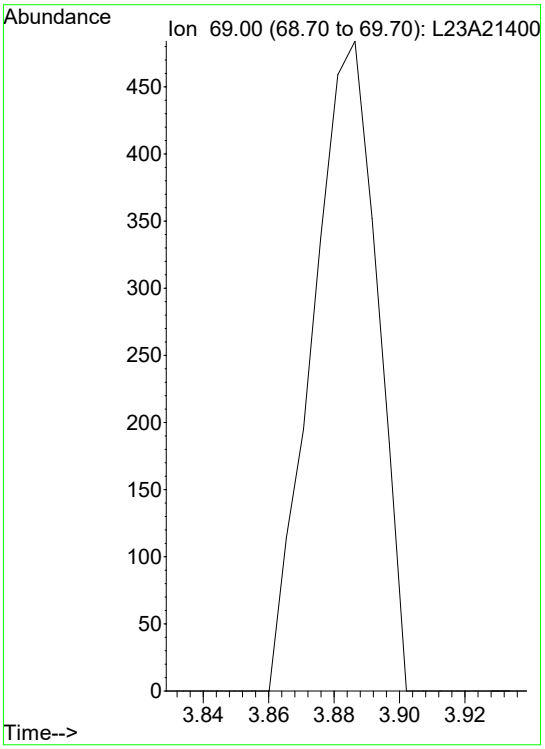
RT : 3.89
Area : 669
Amount: 0.0249816

Manual Int. Results

Thu Aug 03 10:26:36 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

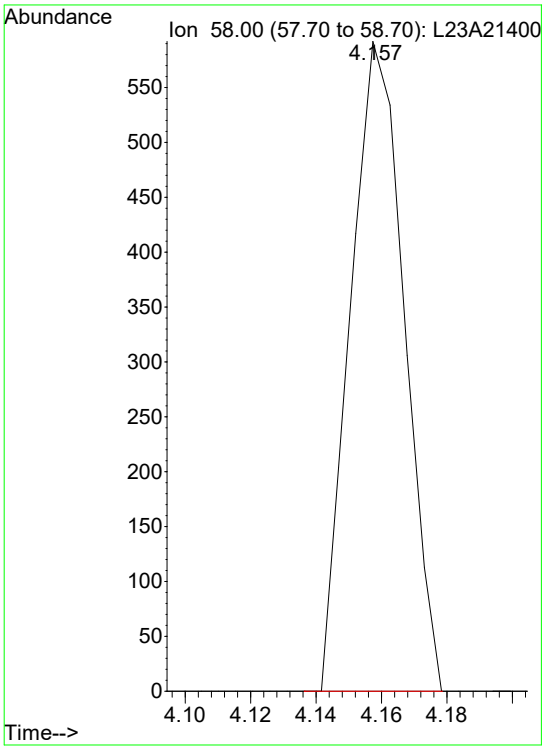
Manual Integration
METHYLMETHACRYLATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
MIBK



Original Int. Results

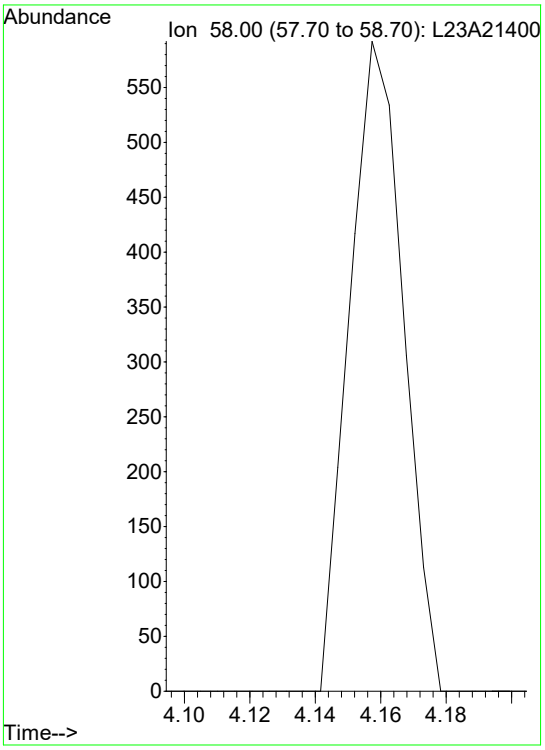
RT : 4.16
Area : 682
Amount: 0.0247242

Manual Int. Results

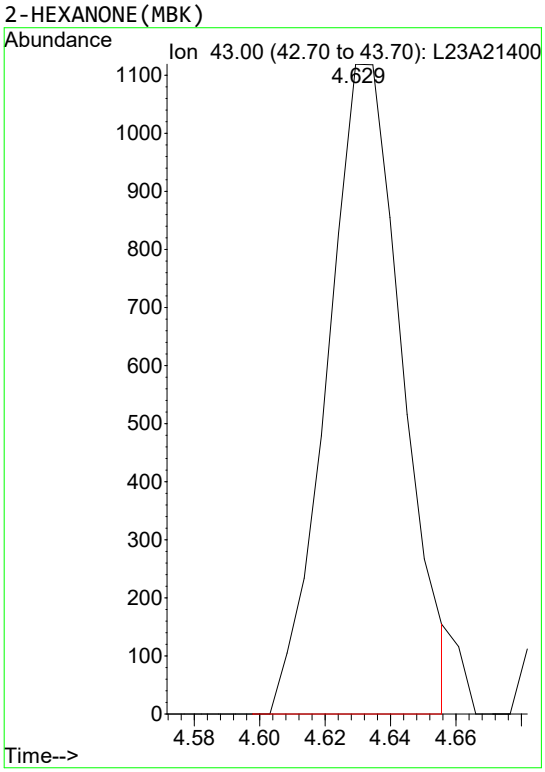
Thu Aug 03 10:26:45 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

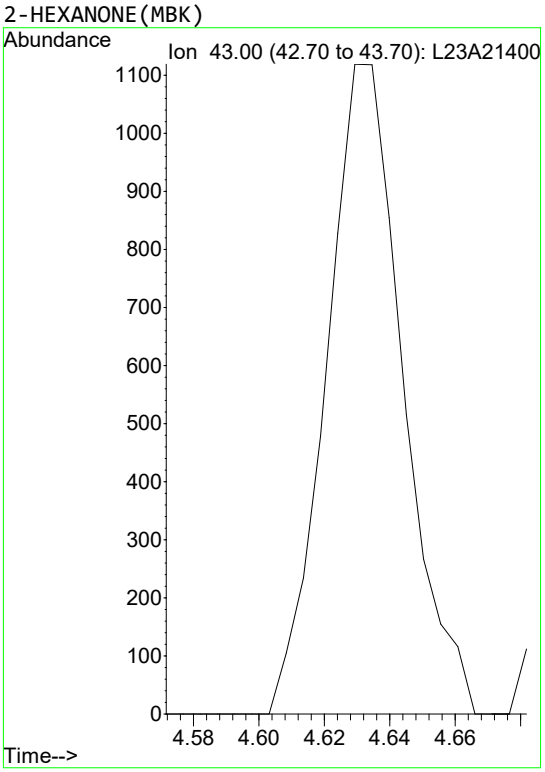
RT : 4.63
Area : 1786
Amount: 0.0275472

Manual Int. Results

Thu Aug 03 10:27:05 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214008.D Vial: 2
Acq On : 02 Aug 2023 06:17 pm Operator: CMR
Sample : 0.05PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:34 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214008.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.871	49	324904	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	893287	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	850215	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.868	49	358402	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	952672	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	930792	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	458101	7.993	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.88%				
88) 4-BROMOFLUOROBENZENE (...	5.860	174	473038	7.960	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.535	85	3925	0.060	PPBV		99
4) CHLOROMETHANE	1.572	50	1097	0.044	PPBV	#	52
5) FREON 114	1.598	85	3875	0.059	PPBV		93
6) VINYL CHLORIDE	1.630	62	1485	0.054	PPBV	#	63
7) 1,3-BUTADIENE	1.661	54	1072	0.053	PPBV		83
8) BROMOMETHANE	1.729	94	1492	0.063	PPBV		81
9) CHLOROETHANE	1.777	64	1014	0.068	PPBV		94
10) ACROLEIN	1.897	56	1107	0.088	PPBV		78
11) ACETONE	1.939	43	7672	0.165	PPBV		89
12) TRICHLOROFLUOROMETHANE	1.986	101	3489	0.052	PPBV		100
13) ETHANOL	1.808	45	750	0.084	PPBV	#	57
14) 1,1-DICHLOROETHENE	2.170	61	2443	0.055	PPBV		93
15) METHYLENE CHLORIDE	2.208	49	1916	0.059	PPBV		96
16) FREON 113	2.295	101	2789	0.051	PPBV		83
17) CARBON DISULFIDE	2.300	76	4659	0.059	PPBV		83
18) TRANS-1,2-DICHLOROETHENE	2.496	61	2028	0.048	PPBV	#	63
19) 1,1-DICHLOROETHANE	2.561	63	3163	0.061	PPBV		98
20) MTBE	2.594	73	4765	0.056	PPBV		98
21) IPA	2.018	45	3506	0.074	PPBV		82
22) 2-BUTANONE(MEK)	2.692	43	3276	0.064	PPBV		93
23) CIS-1,2-DICHLOROETHENE	2.817	61	1851	0.051	PPBV		91
25) HEXANE	2.898	41	1423	0.049	PPBV		89
26) ETHYL ACETATE	2.909	45	699	0.072	PPBV	#	72
27) CHLOROFORM	2.914	83	2661	0.047	PPBV		91
28) TETRAHYDROFURAN	3.061	42	2124	0.054	PPBV		83
29) 1,2-DICHLOROETHANE	3.155	62	1705	0.046	PPBV		84
31) 1,1,1-TRICHLOROETHANE	3.244	97	3108	0.058	PPBV		95
32) BENZENE	3.403	78	4131	0.052	PPBV		94
33) CARBON TETRACHLORIDE	3.457	117	2731	0.050	PPBV		86
34) CYCLOHEXANE	3.506	84	1422	0.044	PPBV	#	54
35) 1,2-DICHLOROPROPANE	3.698	63	1608	0.058	PPBV		91
36) BROMODICHLOROMETHANE	3.771	83	3002	0.053	PPBV		98
37) TRICHLOROETHENE	3.787	95	2115	0.059	PPBV		89
39) METHYLMETHACRYLATE	3.886	69	1643	0.061	PPBV		91
40) HEPTANE	3.923	57	1370	0.039	PPBV	#	75
41) MIBK	4.157	58	1521	0.054	PPBV		96
42) CIS-1,3-DICHLOROPROPENE	4.115	75	2111	0.050	PPBV		96
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	2134	0.058	PPBV		79
45) 1,1,2-TRICHLOROETHANE	4.383	97	2061	0.067	PPBV		83
46) TOLUENE	4.493	91	4862	0.050	PPBV		99

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214008.D Vial: 2
Acq On : 02 Aug 2023 06:17 pm Operator: CMR
Sample : 0.05PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:34 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214008.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

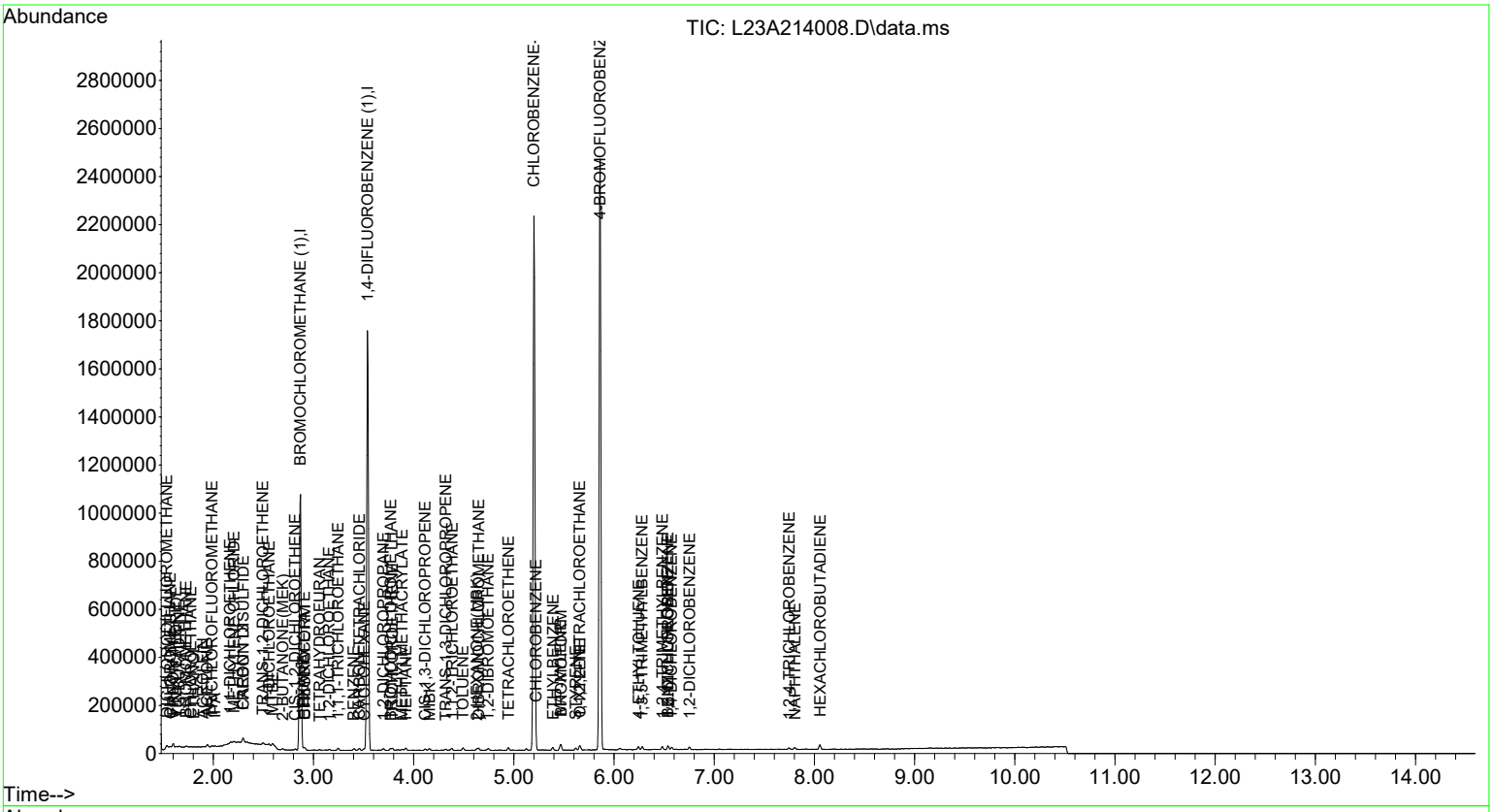
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-HEXANONE(MBK)	4.629	43	3024	0.046	PPBV		97
48) DIBROMOCHLOROMETHANE	4.650	129	3217	0.057	PPBV		96
49) 1,2-DIBROMOETHANE	4.745	107	3633	0.069	PPBV		90
50) TETRACHLOROETHENE	4.944	166	2036	0.049	PPBV		89
51) CHLOROBENZENE	5.222	112	3967	0.055	PPBV	#	1
52) ETHYLBENZENE	5.391	91	5797	0.049	PPBV		88
53) M/P-XYLENE	5.467	91	9782	0.101	PPBV		96
54) BROMOFORM	5.472	173	2518	0.056	PPBV		92
55) STYRENE	5.619	104	3113	0.048	PPBV		98
56) O-XYLENE	5.662	91	3866	0.042	PPBV		97
57) 1,1,2,2-TETRACHLOROETHANE	5.657	83	3436	0.054	PPBV		89
59) 4-ETHYLTOLUENE	6.245	105	5948	0.049	PPBV		92
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	4722	0.047	PPBV		92
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	4462	0.046	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.538	146	2739	0.049	PPBV		91
63) BENZYL CHLORIDE	6.538	91	2812	0.053	PPBV		96
64) 1,4-DICHLOROBENZENE	6.575	146	2489	0.049	PPBV		94
65) 1,2-DICHLOROBENZENE	6.753	146	3287	0.063	PPBV		94
66) 1,2,4-TRICHLOROBENZENE	7.748	180	1161	0.059	PPBV	#	74
67) NAPHTHALENE	7.806	128	3627	0.076	PPBv		94
68) HEXACHLOROBUTADIENE	8.057	225	2308	0.080	PPBV		85
70] VINYL CHLORIDE (SIM)	1.633	62	1472	0.052	PPBV		98
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	2468	0.053	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	2474	0.054	PPBV		99
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	2963	0.053	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.820	61	1976	0.051	PPBV		98
75] CHLOROFORM (SIM)	2.917	83	3145	0.053	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	2067	0.054	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	3140	0.053	PPBV		99
79] 1,2-DICHLOROPROPANE (SIM)	3.700	63	1578	0.054	PPBV		95
80] BROMODICHLOROMETHANE (...	3.769	83	3369	0.054	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	1973	0.053	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	2307	0.053	PPBV		99
83] TRANS-1,3-DICHLOROPROP...	4.323	75	2048	0.053	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	1757	0.052	PPBV		98
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	3841	0.066	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	3820	0.057	PPBV		99
89] NAPHTHALENE (SIM)	7.803	128	4513	0.089	PPBV		100

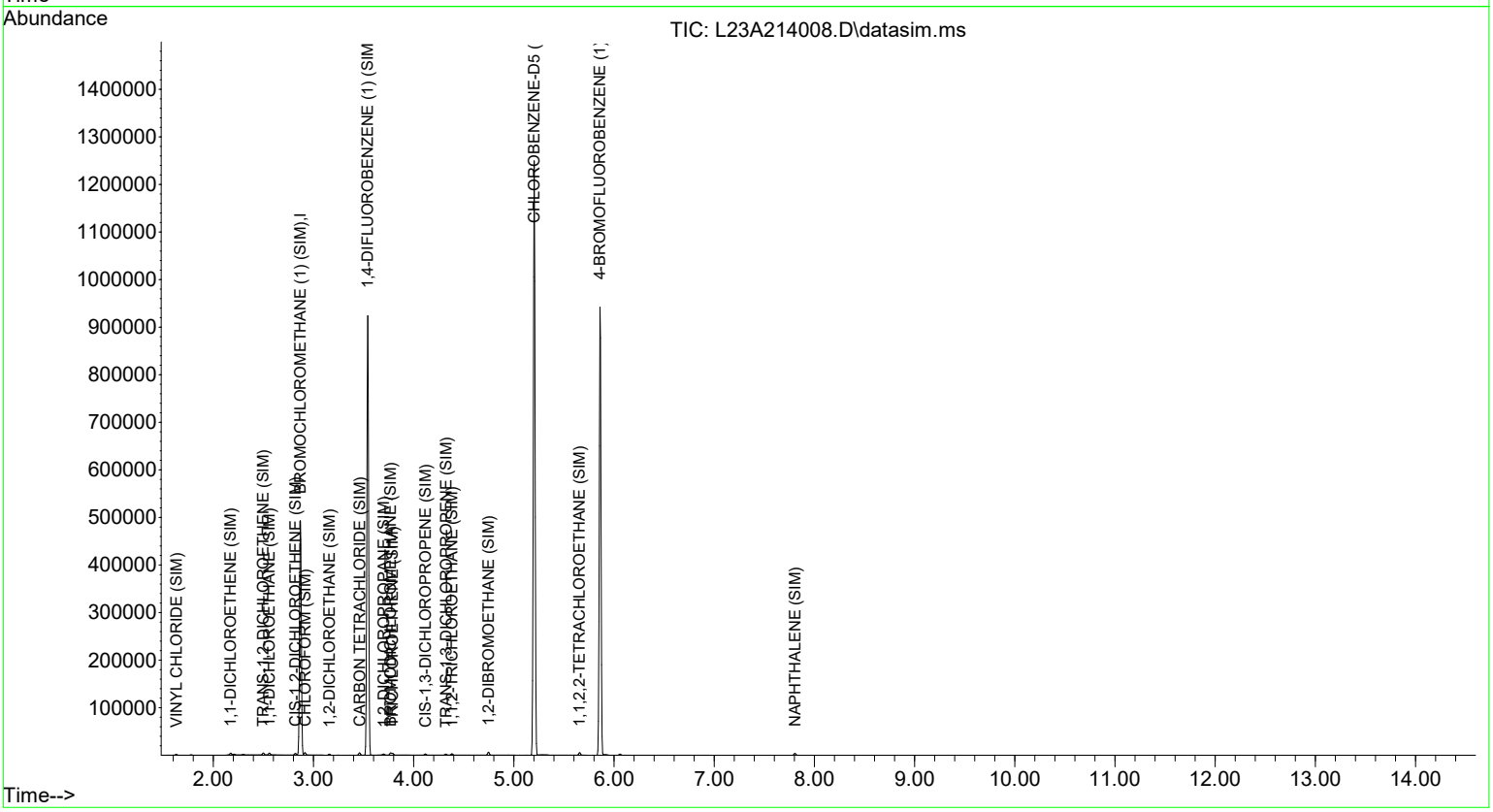
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214008.D Vial: 2
Acq On : 02 Aug 2023 06:17 pm Operator: CMR
Sample : 0.05PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:34 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214008.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

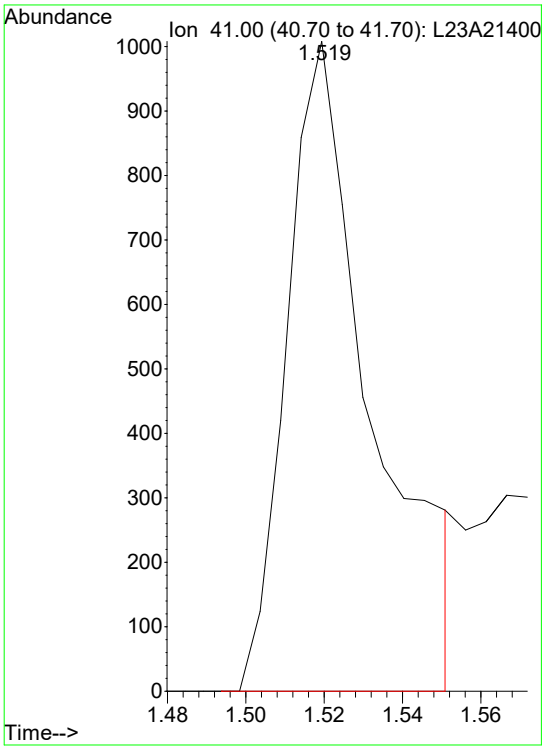




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214008.D
Acq On : 02 Aug 2023 06:17 pm
Operator : CMR
Sample : 0.05PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:20:47 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

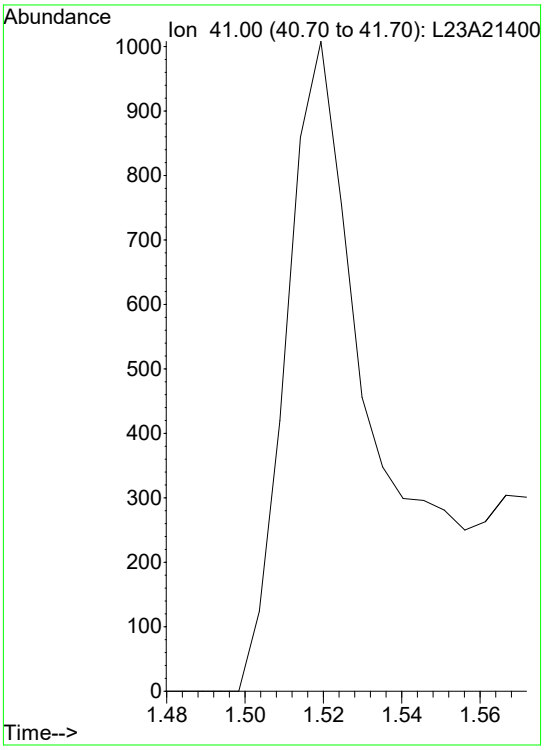
RT : 1.52
Area : 1509
Amount: 0.0954095

Manual Int. Results

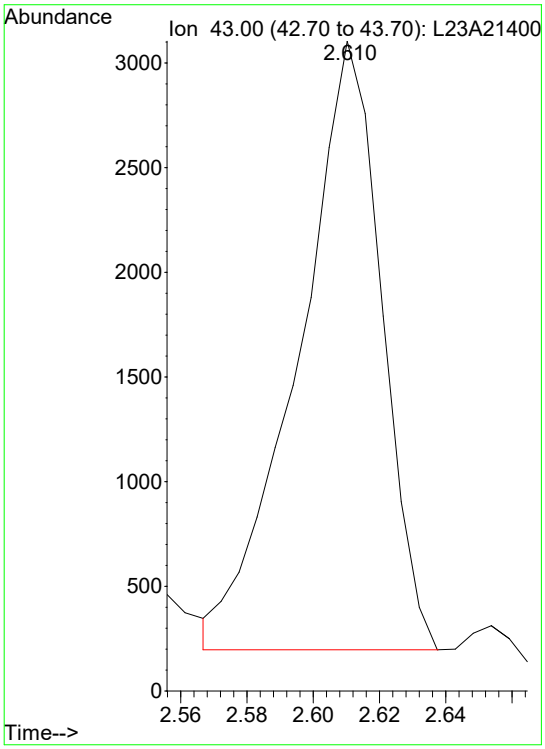
Thu Aug 03 10:20:19 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
VINYL ACETATE



Original Int. Results

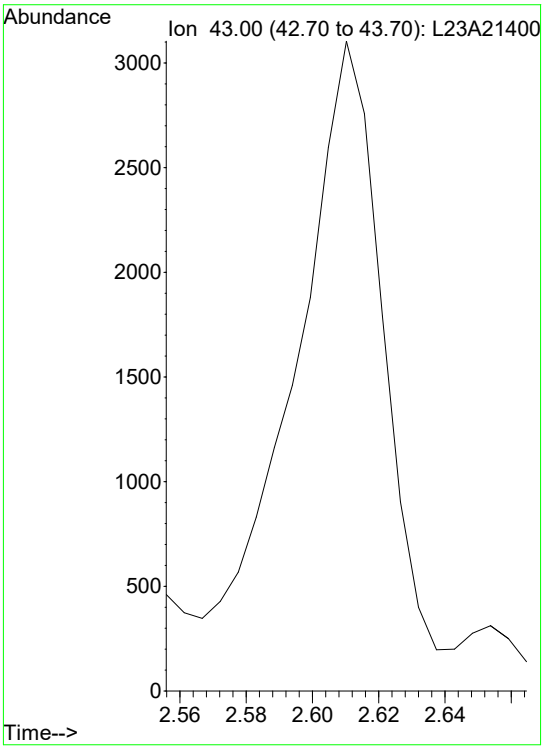
RT : 2.61
Area : 5064
Amount: 0.0875007

Manual Int. Results

Thu Aug 03 10:20:45 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214009.D Vial: 3
Acq On : 02 Aug 2023 06:43 pm Operator: CMR
Sample : 0.10PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:37 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214009.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	321226	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	881236	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	827100	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	350901	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	927354	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	909792	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	442515	7.937	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.25%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	460340	7.925	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.13%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	2324	0.149	PPBV	86
3) DICHLORODIFLUOROMETHANE	1.535	85	7136	0.110	PPBV	96
4) CHLOROMETHANE	1.572	50	2382	0.097	PPBV	76
5) FREON 114	1.598	85	7154	0.110	PPBV	99
6) VINYL CHLORIDE	1.630	62	3220	0.118	PPBV	89
7) 1,3-BUTADIENE	1.666	54	2292	0.114	PPBV	89
8) BROMOMETHANE	1.729	94	2473	0.106	PPBV	94
9) CHLOROETHANE	1.777	64	2258	0.153	PPBV	85
10) ACROLEIN	1.903	56	1560	0.126	PPBV	93
11) ACETONE	1.945	43	7456	0.162	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.986	101	7052	0.105	PPBV	92
13) ETHANOL	1.808	45	1097	0.124	PPBV	91
14) 1,1-DICHLOROETHENE	2.175	61	4429	0.100	PPBV	90
15) METHYLENE CHLORIDE	2.208	49	3870	0.121	PPBV	86
16) FREON 113	2.300	101	5962	0.111	PPBV	97
17) CARBON DISULFIDE	2.300	76	7785	0.100	PPBV	96
18) TRANS-1,2-DICHLOROETHENE	2.496	61	4484	0.106	PPBV	85
19) 1,1-DICHLOROETHANE	2.561	63	5338	0.103	PPBV	92
20) MTBE	2.594	73	8606	0.102	PPBV	99
21) IPA	2.018	45	5494	0.118	PPBV	71
22) 2-BUTANONE(MEK)	2.692	43	5331	0.106	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.817	61	3312	0.093	PPBV	83
25) HEXANE	2.898	41	3019	0.105	PPBV	94
26) ETHYL ACETATE	2.909	45	856	0.089	PPBV	84
27) CHLOROFORM	2.915	83	5961	0.106	PPBV	92
28) TETRAHYDROFURAN	3.061	42	3645	0.094	PPBV #	75
29) 1,2-DICHLOROETHANE	3.155	62	3813	0.104	PPBV	96
31) 1,1,1-TRICHLOROETHANE	3.245	97	5827	0.110	PPBV	98
32) BENZENE	3.403	78	8094	0.103	PPBV	98
33) CARBON TETRACHLORIDE	3.457	117	6068	0.113	PPBV	90
34) CYCLOHEXANE	3.506	84	3674	0.116	PPBV	96
35) 1,2-DICHLOROPROPANE	3.698	63	2820	0.102	PPBV	95
36) BROMODICHLOROMETHANE	3.766	83	5998	0.107	PPBV	99
37) TRICHLOROETHENE	3.787	95	3679	0.105	PPBV	92
38) 1,4-DIOXANE	3.834	88	2218m	0.117	PPBV	
39) METHYLMETHACRYLATE	3.886	69	2718	0.102	PPBV	94
40) HEPTANE	3.923	57	2370	0.068	PPBV #	77
41) MIBK	4.157	58	2706	0.098	PPBV	89
42) CIS-1,3-DICHLOROPROPENE	4.116	75	4244	0.102	PPBV	96
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	3475	0.095	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214009.D Vial: 3
Acq On : 02 Aug 2023 06:43 pm Operator: CMR
Sample : 0.10PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:37 2023

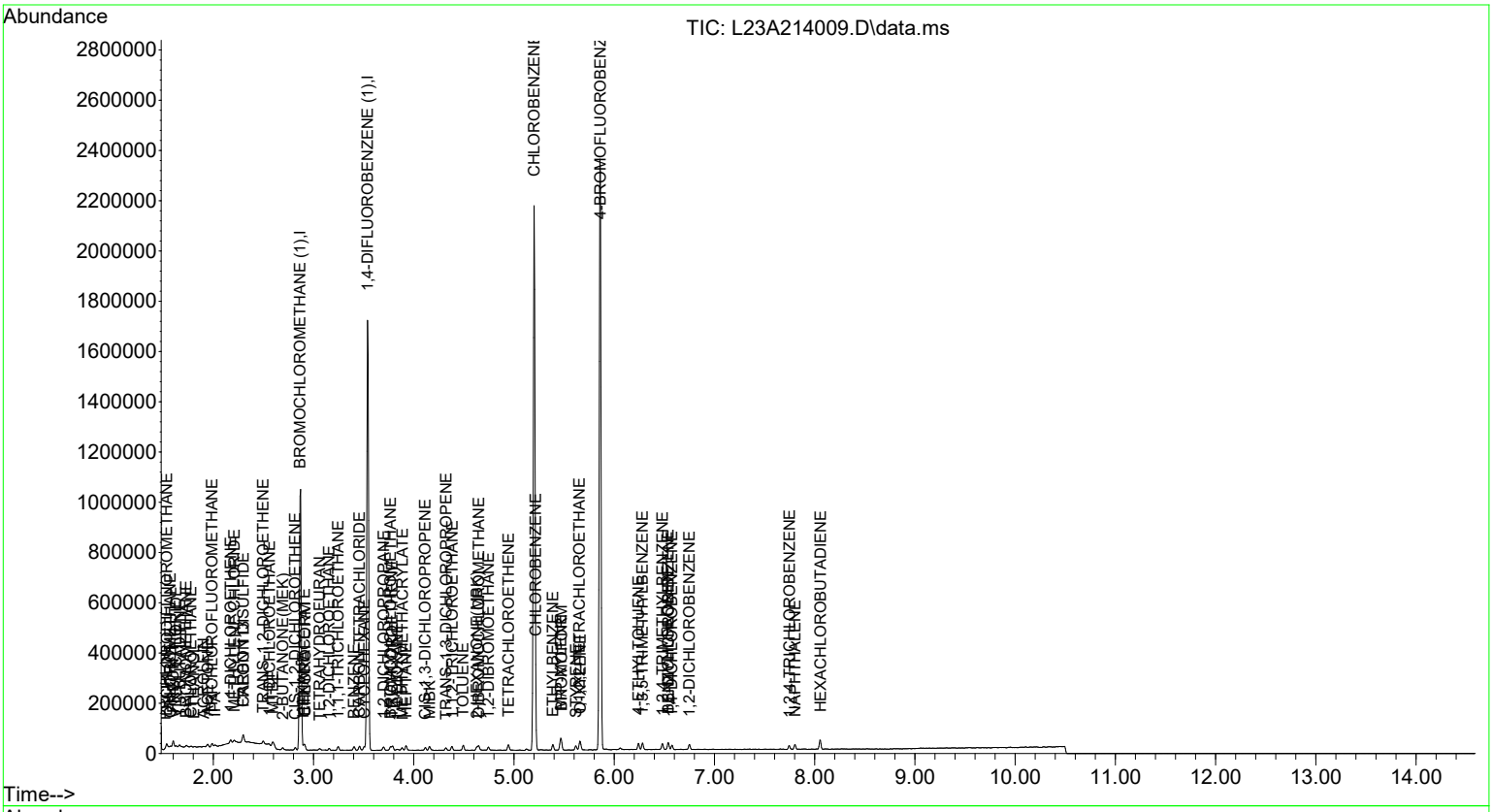
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214009.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

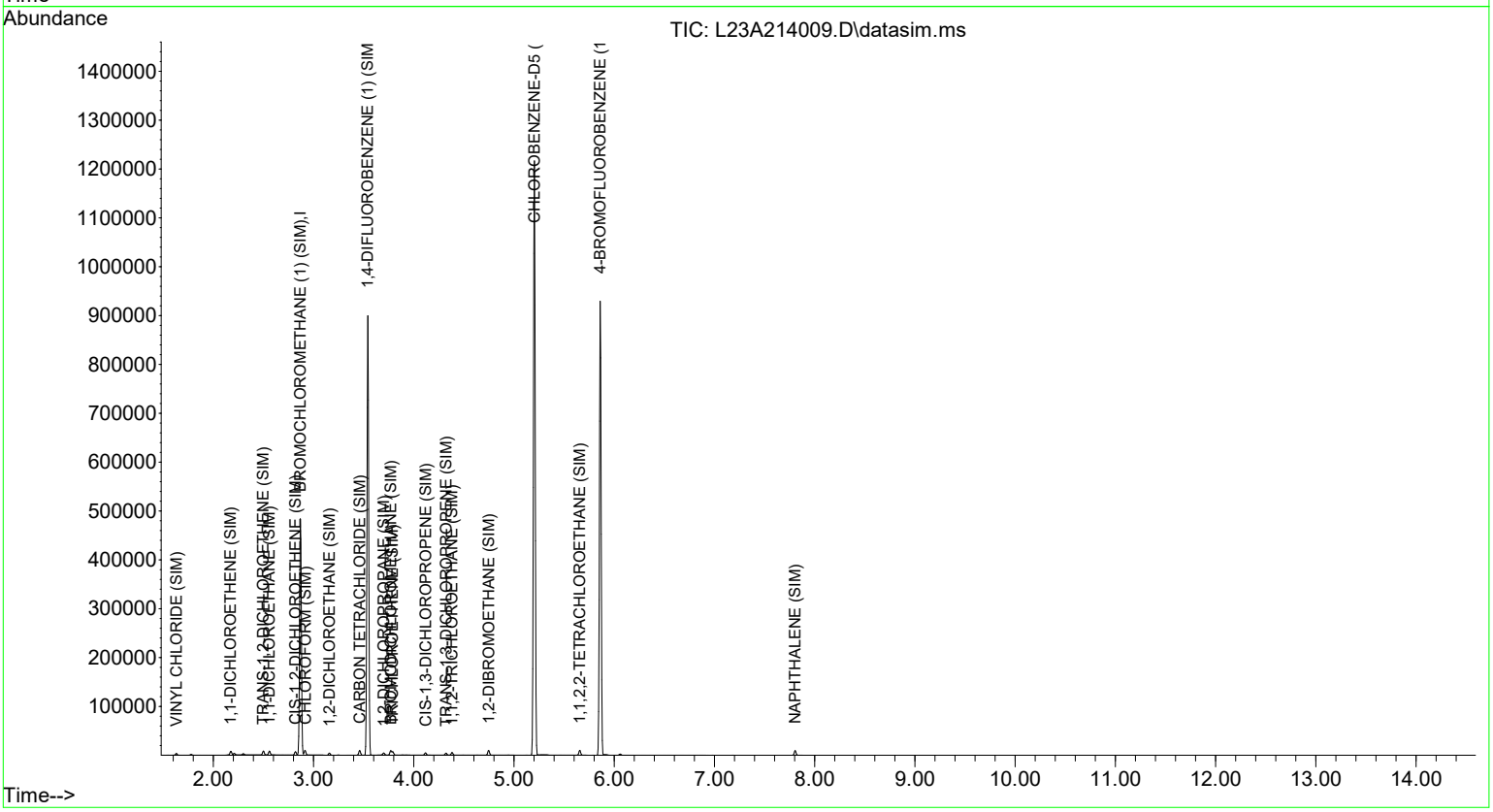
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-TRICHLOROETHANE	4.383	97	3269	0.110	PPBV		97
46) TOLUENE	4.493	91	9718	0.103	PPBV		97
47) 2-HEXANONE(MBK)	4.629	43	6037	0.094	PPBV		98
48) DIBROMOCHLOROMETHANE	4.650	129	6058	0.111	PPBV		93
49) 1,2-DIBROMOETHANE	4.745	107	5584	0.109	PPBV		94
50) TETRACHLOROETHENE	4.944	166	4542	0.112	PPBV		91
51) CHLOROBENZENE	5.217	112	7476	0.107	PPBV	#	3
52) ETHYLBENZENE	5.385	91	11584	0.100	PPBV		93
53) M/P-XYLENE	5.467	91	19834	0.211	PPBV		95
54) BROMOFORM	5.472	173	4939	0.113	PPBV		92
55) STYRENE	5.619	104	6199	0.099	PPBV		97
56) O-XYLENE	5.662	91	8558	0.095	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	7030	0.113	PPBV		98
59) 4-ETHYLTOLUENE	6.240	105	11645	0.098	PPBV		99
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	10096	0.104	PPBV		95
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	9372	0.099	PPBV	#	97
62) 1,3-DICHLOROBENZENE	6.539	146	4973	0.092	PPBV		92
63) BENZYL CHLORIDE	6.539	91	5481	0.105	PPBV		91
64) 1,4-DICHLOROBENZENE	6.575	146	4373	0.088	PPBV		94
65) 1,2-DICHLOROBENZENE	6.749	146	6250	0.124	PPBV		89
66) 1,2,4-TRICHLOROBENZENE	7.748	180	3449	0.181	PPBV		90
67) NAPHTHALENE	7.806	128	10180	0.218	PPBv		100
68) HEXACHLOROBUTADIENE	8.058	225	4383	0.156	PPBV		87
70] VINYL CHLORIDE (SIM)	1.632	62	2923	0.106	PPBV		98
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	4863	0.107	PPBV		98
72] TRANS-1,2-DICHLOROETHE...	2.499	61	4798	0.107	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	5925	0.109	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.820	61	4033	0.106	PPBV		99
75] CHLOROFORM (SIM)	2.917	83	6140	0.106	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	3978	0.106	PPBV		100
78] CARBON TETRACHLORIDE (...	3.460	117	6206	0.108	PPBV		99
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	3041	0.106	PPBV		99
80] BROMODICHLOROMETHANE (...	3.769	83	6666	0.109	PPBV		99
81] TRICHLOROETHENE (SIM)	3.790	95	3792	0.105	PPBV		98
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	4401	0.103	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.323	75	3905	0.103	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	3398	0.103	PPBV		98
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	6023	0.106	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	7422	0.114	PPBV		100
89] NAPHTHALENE (SIM)	7.804	128	10699	0.216	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214009.D Vial: 3
Acq On : 02 Aug 2023 06:43 pm Operator: CMR
Sample : 0.10PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:37 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214009.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

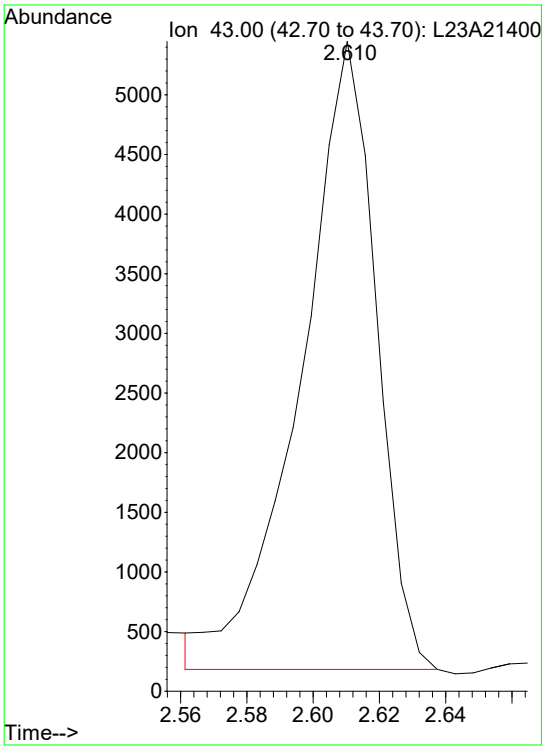




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214009.D
Acq On : 02 Aug 2023 06:43 pm
Operator : CMR
Sample : 0.10PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:17:38 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

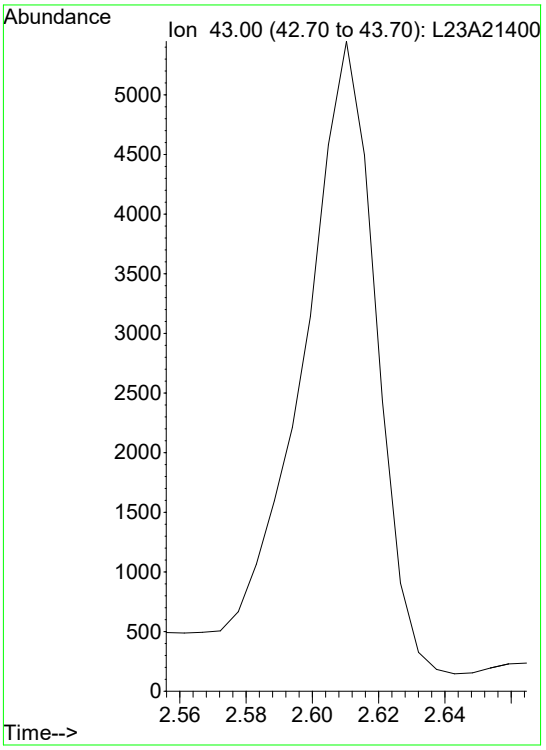
RT : 2.61
Area : 8317
Amount: 0.145355

Manual Int. Results

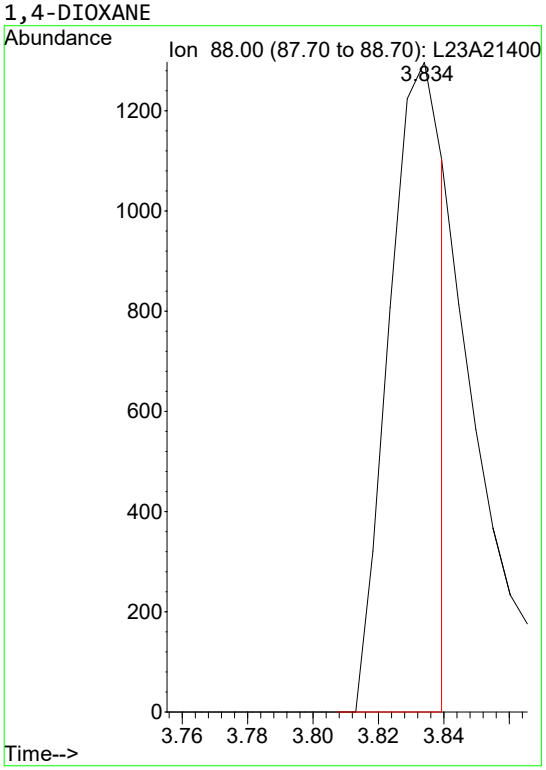
Thu Aug 03 10:17:15 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

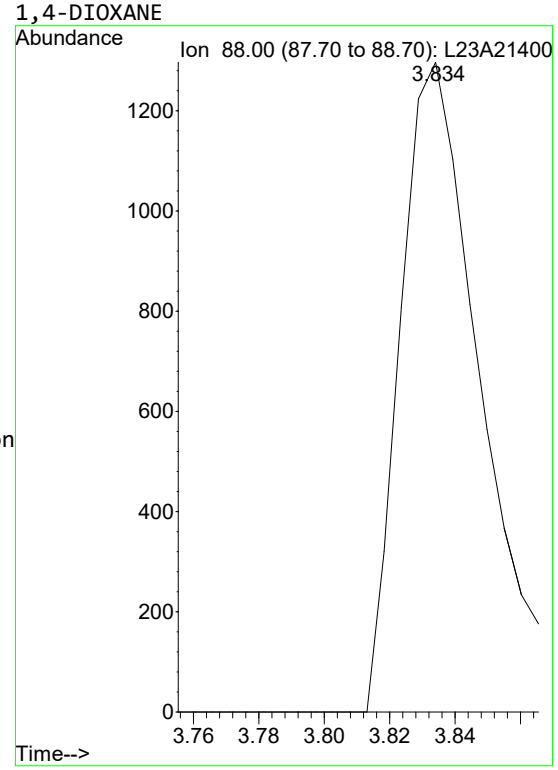
RT : 3.83
Area : 1496
Amount: 0.0787581

Manual Int. Results

Thu Aug 03 10:17:38 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.83
Area : 2218
Amount: 0.116768

Manual Integration
1,4-DIOXANE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214010.D Vial: 3
Acq On : 02 Aug 2023 07:09 pm Operator: CMR
Sample : 0.20PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:40 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214010.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	316540	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.544	114	879366	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	821196	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.874	49	348434	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	924222	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	908735	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	450202	8.133	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.63%			
88) 4-BROMOFLUOROBENZENE (...	5.859	174	460249	7.933	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.13%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	3755	0.244	PPBV	89
3) DICHLORODIFLUOROMETHANE	1.535	85	14307	0.224	PPBV	99
4) CHLOROMETHANE	1.572	50	4482	0.186	PPBV	70
5) FREON 114	1.598	85	14230	0.221	PPBV	99
6) VINYL CHLORIDE	1.630	62	5391	0.201	PPBV	85
7) 1,3-BUTADIENE	1.661	54	4786	0.241	PPBV	95
8) BROMOMETHANE	1.735	94	5002	0.218	PPBV	93
9) CHLOROETHANE	1.777	64	3343	0.230	PPBV	92
10) ACROLEIN	1.903	56	2931	0.240	PPBV	84
11) ACETONE	1.945	43	11126	0.245	PPBV	86
12) TRICHLOROFLUOROMETHANE	1.986	101	15227	0.231	PPBV	99
13) ETHANOL	1.808	45	1519	0.174	PPBV	76
14) 1,1-DICHLOROETHENE	2.175	61	8929	0.205	PPBV	96
15) METHYLENE CHLORIDE	2.208	49	6685	0.212	PPBV	95
16) FREON 113	2.300	101	11772	0.222	PPBV	99
17) CARBON DISULFIDE	2.300	76	16843	0.219	PPBV	91
18) TRANS-1,2-DICHLOROETHENE	2.502	61	9308	0.224	PPBV	97
19) 1,1-DICHLOROETHANE	2.561	63	10996	0.216	PPBV	94
20) MTBE	2.594	73	16364	0.197	PPBV	91
21) IPA	2.018	45	11260	0.245	PPBV	99
22) 2-BUTANONE(MEK)	2.692	43	10713	0.215	PPBV	96
23) CIS-1,2-DICHLOROETHENE	2.822	61	7621	0.216	PPBV	95
24) VINYL ACETATE	2.610	43	12902m	0.229	PPBV	
25) HEXANE	2.898	41	6266	0.221	PPBV	94
26) ETHYL ACETATE	2.909	45	1996	0.211	PPBV #	77
27) CHLOROFORM	2.915	83	11491	0.207	PPBV	90
28) TETRAHYDROFURAN	3.061	42	6925	0.181	PPBV	93
29) 1,2-DICHLOROETHANE	3.155	62	7959	0.219	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.250	97	10588	0.201	PPBV	98
32) BENZENE	3.408	78	16350	0.208	PPBV	100
33) CARBON TETRACHLORIDE	3.457	117	11653	0.218	PPBV	98
34) CYCLOHEXANE	3.506	84	6701	0.211	PPBV	94
35) 1,2-DICHLOROPROPANE	3.703	63	5662	0.206	PPBV	93
36) BROMODICHLOROMETHANE	3.771	83	12826	0.229	PPBV	92
37) TRICHLOROETHENE	3.792	95	7340	0.210	PPBV	95
38) 1,4-DIOXANE	3.829	88	4760m	0.251	PPBV	
39) METHYLMETHACRYLATE	3.887	69	5398	0.202	PPBV	97
40) HEPTANE	3.923	57	5342	0.154	PPBV	95
41) MIBK	4.158	58	4835	0.176	PPBV	88
42) CIS-1,3-DICHLOROPROPENE	4.116	75	8334	0.201	PPBV	97

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214010.D Vial: 3 559
Acq On : 02 Aug 2023 07:09 pm Operator: CMR
Sample : 0.20PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:40 2023

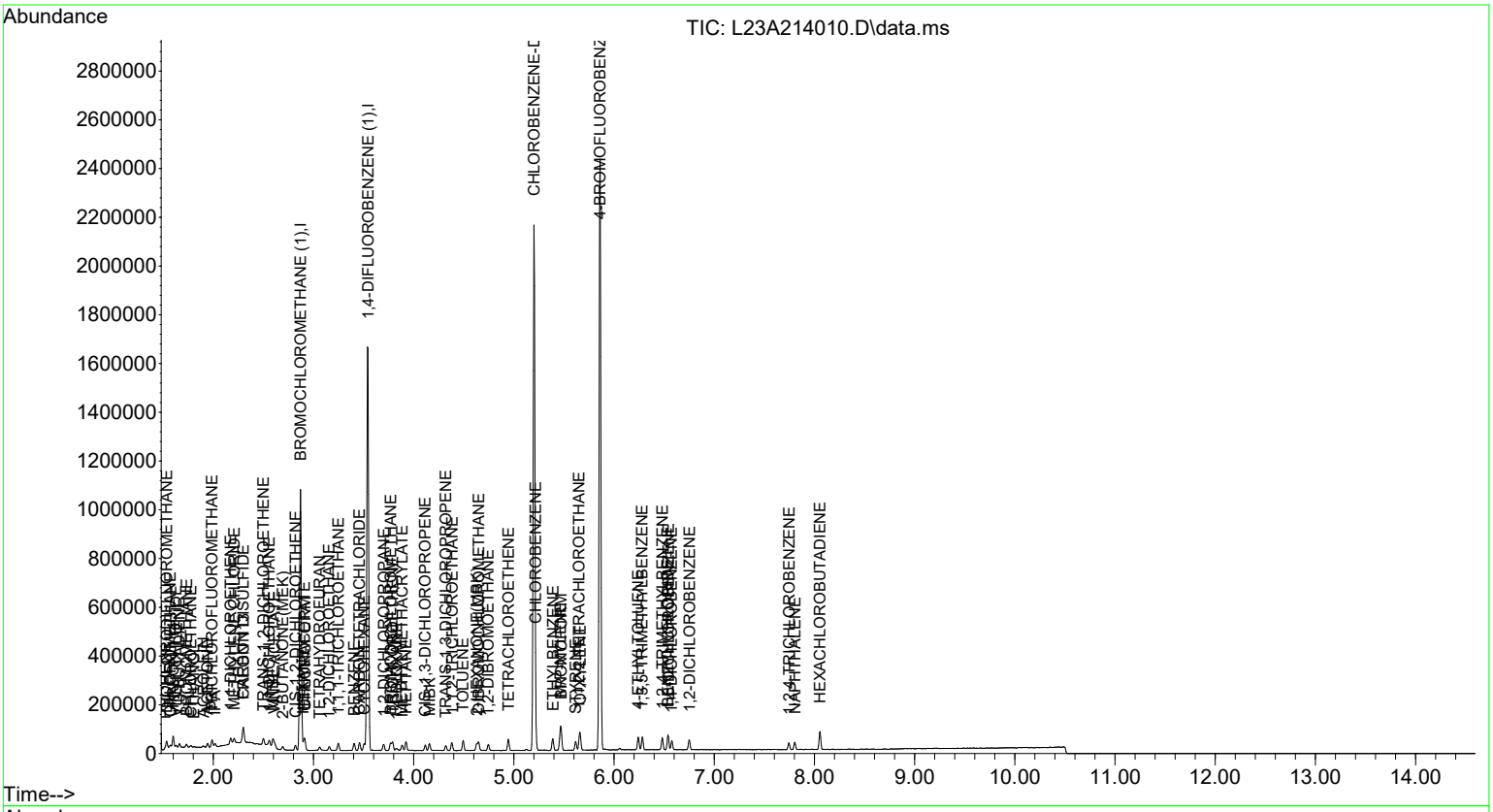
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214010.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

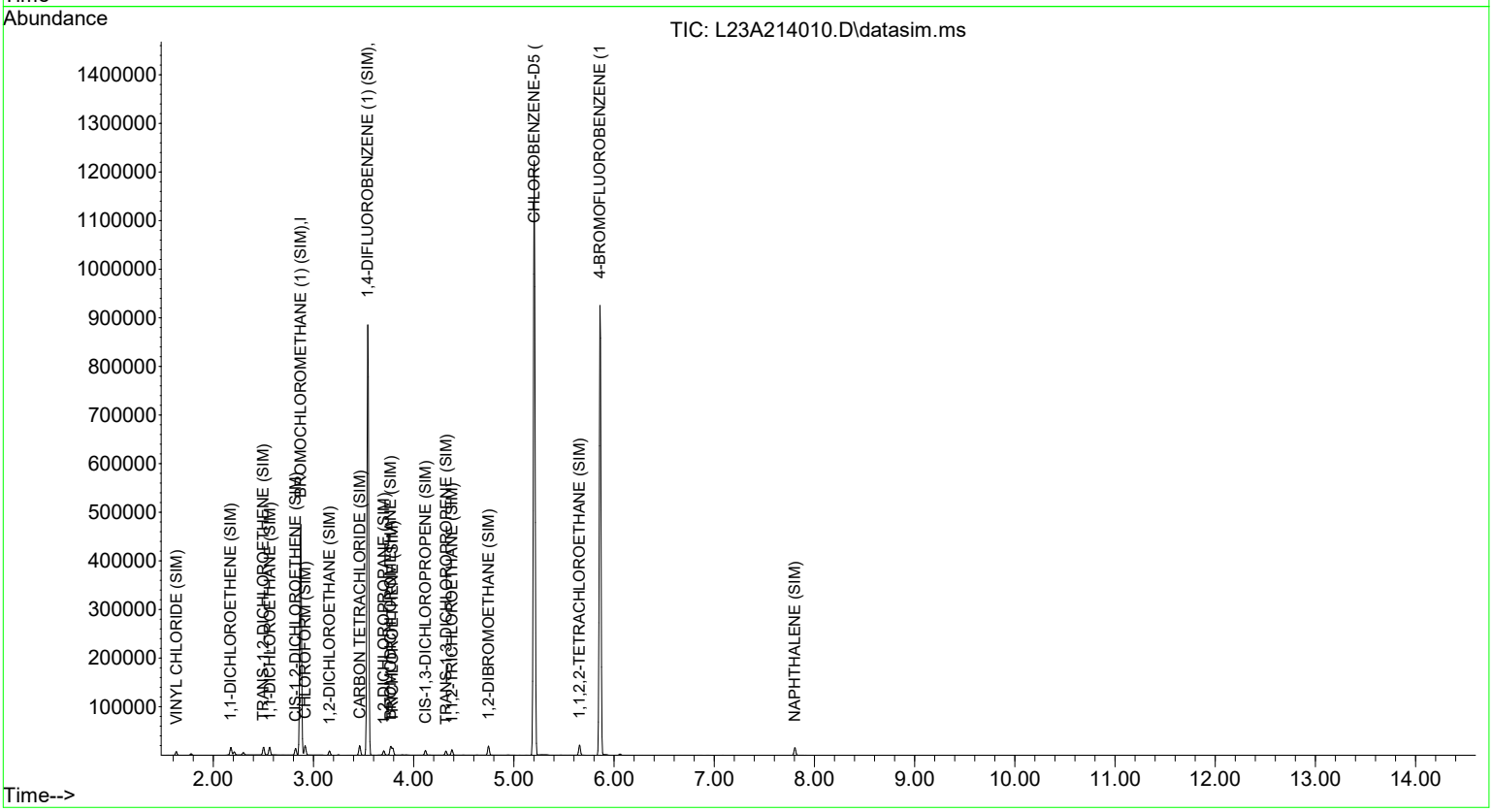
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	7437	0.204	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.383	97	6337	0.214	PPBV		96
46) TOLUENE	4.493	91	20131	0.214	PPBV		98
47) 2-HEXANONE(MBK)	4.630	43	12076	0.189	PPBV		96
48) DIBROMOCHLOROMETHANE	4.651	129	11606	0.215	PPBV		98
49) 1,2-DIBROMOETHANE	4.745	107	11009	0.216	PPBV		100
50) TETRACHLOROETHENE	4.944	166	7906	0.196	PPBV		94
51) CHLOROBENZENE	5.217	112	14554	0.210	PPBV	#	45
52) ETHYLBENZENE	5.391	91	25094	0.218	PPBV		99
53) M/P-XYLENE	5.467	91	38820	0.417	PPBV		97
54) BROMOFORM	5.472	173	10189	0.234	PPBV		95
55) STYRENE	5.619	104	13012	0.209	PPBV		99
56) O-XYLENE	5.662	91	27430	0.307	PPBV		75
57) 1,1,2,2-TETRACHLOROETHANE	5.651	83	13604	0.220	PPBV		91
59) 4-ETHYLTOLUENE	6.239	105	24888	0.211	PPBV		97
60) 1,3,5-TRIMETHYLBENZENE	6.281	105	22084	0.229	PPBV		95
61) 1,2,4-TRIMETHYLBENZENE	6.480	105	19629	0.208	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.543	146	11291	0.211	PPBV		93
63) BENZYL CHLORIDE	6.538	91	10604	0.205	PPBV		96
64) 1,4-DICHLOROBENZENE	6.575	146	11553	0.235	PPBV		89
65) 1,2-DICHLOROBENZENE	6.753	146	11573	0.231	PPBV		97
66) 1,2,4-TRICHLOROBENZENE	7.748	180	6283	0.332	PPBV		99
67) NAPHTHALENE	7.805	128	16384	0.353	PPBv		97
68) HEXACHLOROBUTADIENE	8.057	225	9694	0.348	PPBV		93
70] VINYL CHLORIDE (SIM)	1.633	62	6058	0.222	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	10005	0.221	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	9880	0.222	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.564	63	12110	0.224	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	8075	0.213	PPBV		99
75] CHLOROFORM (SIM)	2.917	83	12559	0.218	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	8148	0.218	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	12596	0.221	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	6080	0.213	PPBV		99
80] BROMODICHLOROMETHANE (...	3.769	83	13497	0.222	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	7943	0.221	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	9058	0.213	PPBV		98
83] TRANS-1,3-DICHLOROPROP...	4.323	75	8069	0.214	PPBV		99
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	7213	0.218	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	11459	0.201	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	15379	0.237	PPBV		98
89] NAPHTHALENE (SIM)	7.803	128	17594	0.356	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214010.D Vial: 3
Acq On : 02 Aug 2023 07:09 pm Operator: CMR
Sample : 0.20PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:40 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214010.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

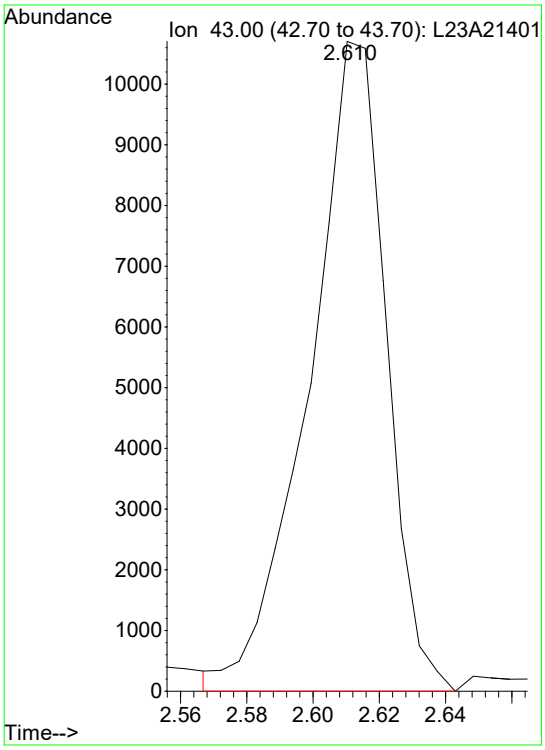




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214010.D
Acq On : 02 Aug 2023 07:09 pm
Operator : CMR
Sample : 0.20PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:14:31 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

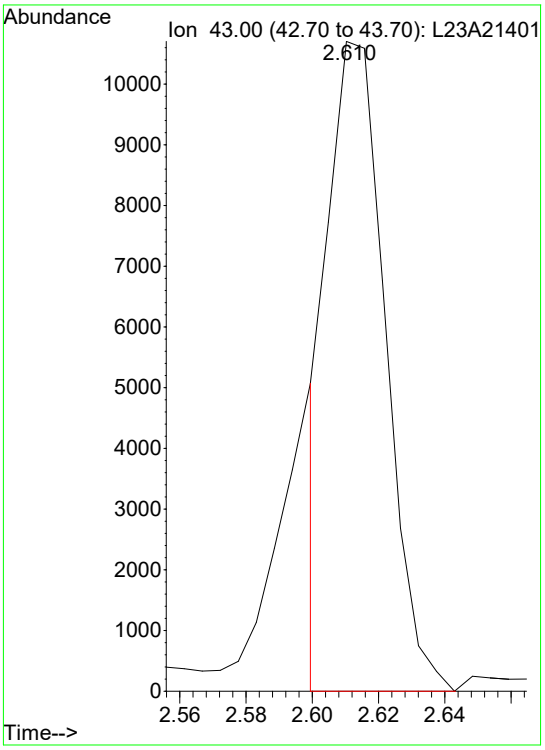
RT : 2.61
Area : 17158
Amount: 0.304306

Manual Int. Results

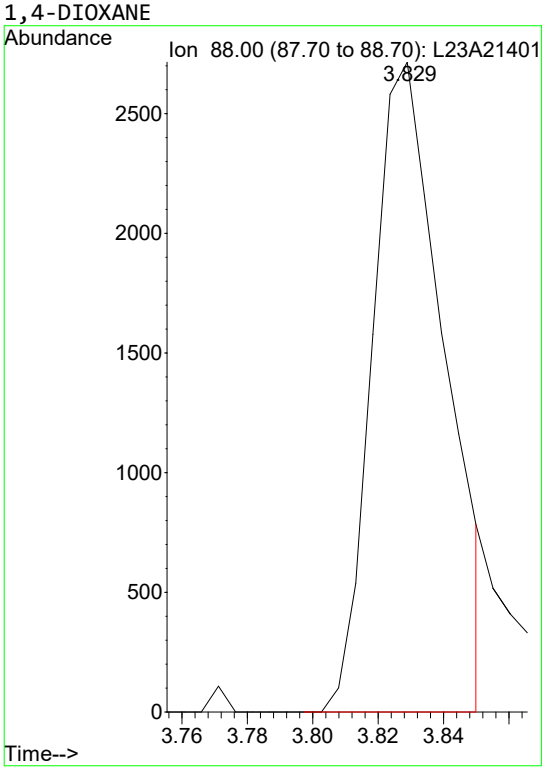
Thu Aug 03 10:14:12 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 12902
Amount: 0.228824

Manual Integration
VINYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

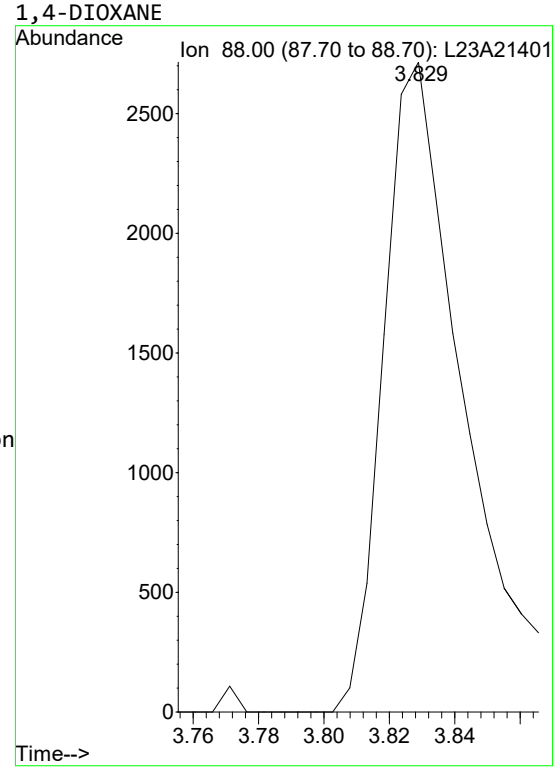
RT : 3.83
Area : 4156
Amount: 0.219261

Manual Int. Results

Thu Aug 03 10:14:31 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.83
Area : 4760
Amount: 0.251127

Manual Integration
1,4-DIOXANE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214011.D Vial: 3
Acq On : 02 Aug 2023 07:35 pm Operator: CMR
Sample : 0.25PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:43 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214011.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	316385	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	876180	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	817900	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	349236	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	917063	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	904791	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	445747	8.085	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.00%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	459821	7.960	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	4117	0.267	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.535	85	17695	0.277	PPBV	99
4) CHLOROMETHANE	1.572	50	6261	0.260	PPBV	94
5) FREON 114	1.598	85	17685	0.275	PPBV	99
6) VINYL CHLORIDE	1.630	62	6916	0.258	PPBV	92
7) 1,3-BUTADIENE	1.666	54	5674	0.286	PPBV	96
8) BROMOMETHANE	1.735	94	5869	0.256	PPBV	92
9) CHLOROETHANE	1.777	64	4035	0.277	PPBV	98
10) ACROLEIN	1.903	56	3057	0.251	PPBV	100
11) ACETONE	1.944	43	14025	0.309	PPBV	88
12) TRICHLOROFLUOROMETHANE	1.986	101	17170	0.260	PPBV	95
13) ETHANOL	1.808	45	2521	0.289	PPBV	84
14) 1,1-DICHLOROETHENE	2.175	61	10942	0.251	PPBV	98
15) METHYLENE CHLORIDE	2.208	49	8966	0.284	PPBV	95
16) FREON 113	2.295	101	13616	0.257	PPBV	91
17) CARBON DISULFIDE	2.300	76	19365	0.252	PPBV	95
18) TRANS-1,2-DICHLOROETHENE	2.496	61	10783	0.259	PPBV	91
19) 1,1-DICHLOROETHANE	2.556	63	14204	0.280	PPBV	94
20) MTBE	2.594	73	21485	0.259	PPBV	100
21) IPA	2.013	45	11869	0.258	PPBV	93
22) 2-BUTANONE(MEK)	2.692	43	12847	0.258	PPBV	93
23) CIS-1,2-DICHLOROETHENE	2.817	61	9330	0.265	PPBV	96
24) VINYL ACETATE	2.610	43	15447m	0.274	PPBV	
25) HEXANE	2.898	41	7692	0.272	PPBV	94
26) ETHYL ACETATE	2.909	45	2289	0.242	PPBV	90
27) CHLOROFORM	2.915	83	14266	0.257	PPBV	94
28) TETRAHYDROFURAN	3.056	42	9353	0.245	PPBV	90
29) 1,2-DICHLOROETHANE	3.155	62	9636	0.266	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	13807	0.263	PPBV	98
32) BENZENE	3.403	78	20126	0.256	PPBV	99
33) CARBON TETRACHLORIDE	3.458	117	13851	0.260	PPBV	94
34) CYCLOHEXANE	3.506	84	7862	0.249	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	7197	0.263	PPBV	91
36) BROMODICHLOROMETHANE	3.766	83	15295	0.274	PPBV	100
37) TRICHLOROETHENE	3.787	95	9093	0.261	PPBV	93
38) 1,4-DIOXANE	3.824	88	4624m	0.245	PPBV	
39) METHYLMETHACRYLATE	3.881	69	6927	0.261	PPBV	97
40) HEPTANE	3.923	57	5464	0.158	PPBV	89
41) MIBK	4.152	58	6890	0.252	PPBV	94
42) CIS-1,3-DICHLOROPROPENE	4.116	75	10868	0.263	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214011.D Vial: 3
Acq On : 02 Aug 2023 07:35 pm Operator: CMR
Sample : 0.25PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:43 2023

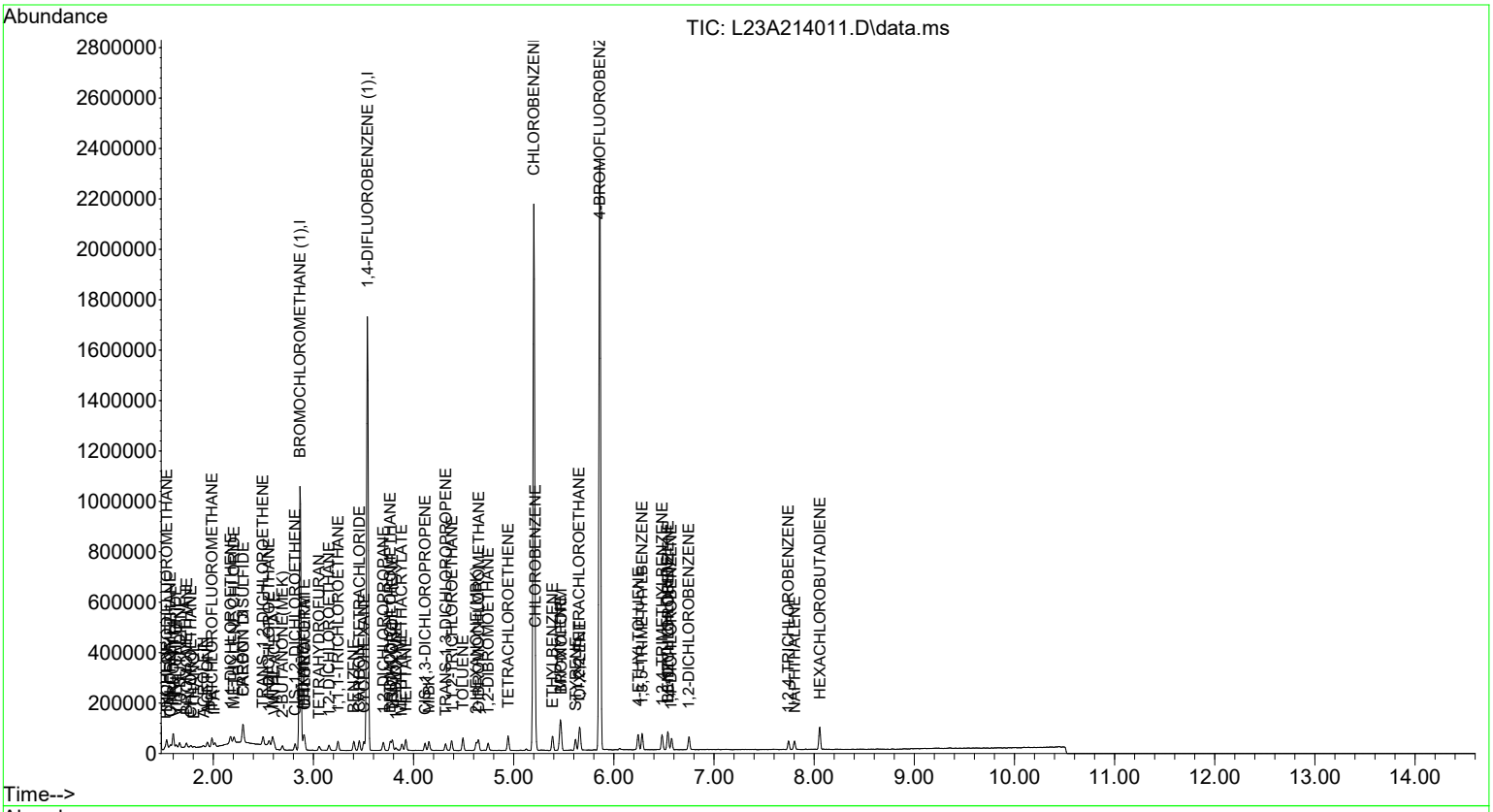
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Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

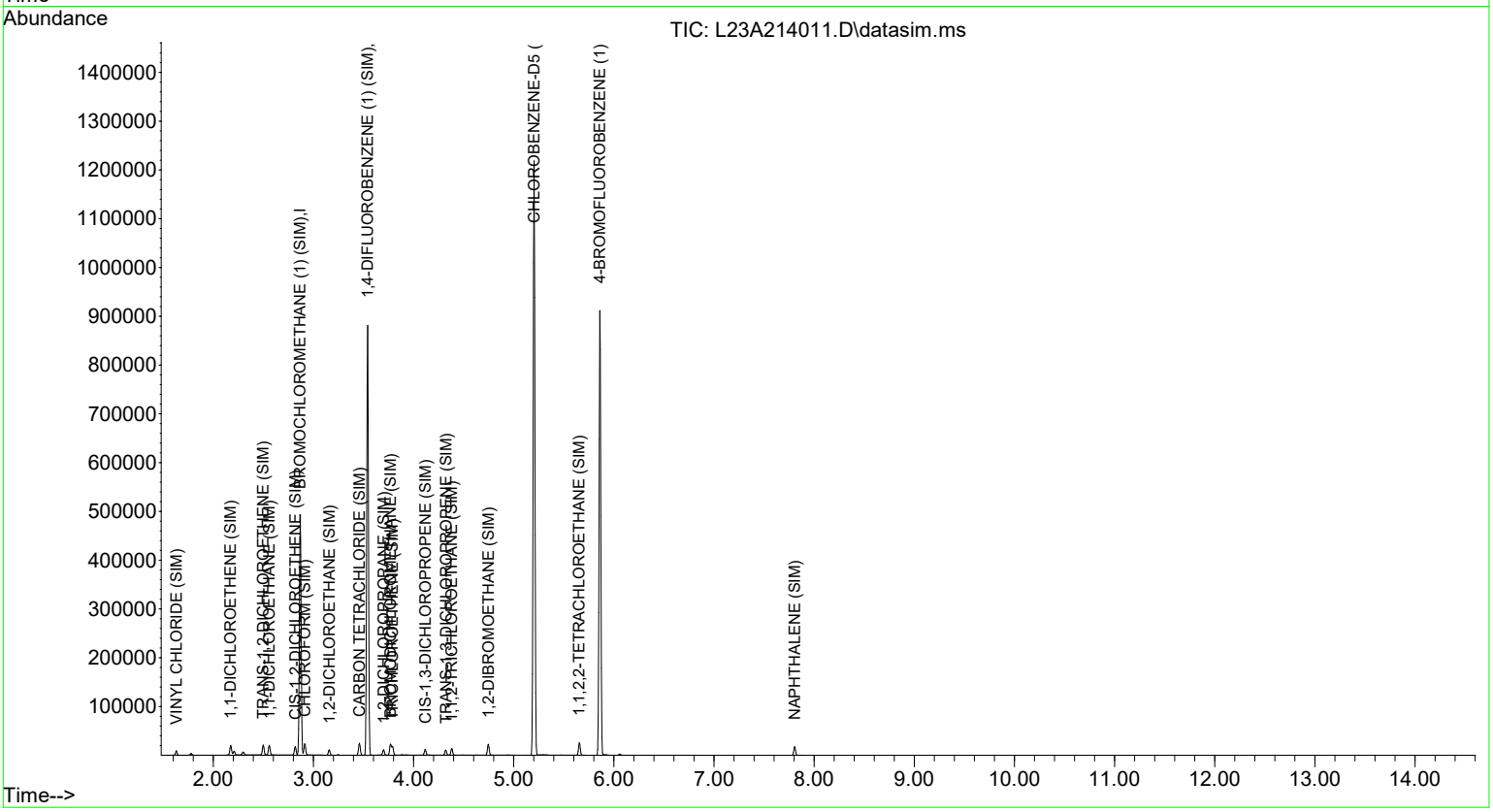
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	8637	0.238	PPBV		95
45) 1,1,2-TRICHLOROETHANE	4.383	97	7295	0.247	PPBV		91
46) TOLUENE	4.493	91	23331	0.249	PPBV		100
47) 2-HEXANONE(MBK)	4.624	43	15580	0.245	PPBV		96
48) DIBROMOCHLOROMETHANE	4.651	129	14258	0.265	PPBV		96
49) 1,2-DIBROMOETHANE	4.745	107	12383	0.244	PPBV		99
50) TETRACHLOROETHENE	4.944	166	11266	0.280	PPBV		94
51) CHLOROBENZENE	5.217	112	19791	0.287	PPBV	#	73
52) ETHYLBENZENE	5.385	91	29854	0.261	PPBV		94
53) M/P-XYLENE	5.467	91	46806	0.504	PPBV		99
54) BROMOFORM	5.472	173	11675	0.269	PPBV		98
55) STYRENE	5.619	104	15642	0.252	PPBV		98
56) O-XYLENE	5.663	91	23591	0.265	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	17401	0.283	PPBV		99
59) 4-ETHYLTOLUENE	6.245	105	30537	0.260	PPBV		97
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	25778	0.268	PPBV		97
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	24807	0.265	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.544	146	14472	0.271	PPBV		95
63) BENZYL CHLORIDE	6.539	91	12747	0.248	PPBV		99
64) 1,4-DICHLOROBENZENE	6.575	146	12103	0.248	PPBV		99
65) 1,2-DICHLOROBENZENE	6.748	146	14199	0.284	PPBV		97
66) 1,2,4-TRICHLOROBENZENE	7.743	180	6856	0.363	PPBV		90
67) NAPHTHALENE	7.806	128	19414	0.420	PPBv		97
68) HEXACHLOROBUTADIENE	8.057	225	11949	0.430	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	7322	0.267	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	12363	0.272	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	12195	0.273	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	14730	0.272	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	9881	0.261	PPBV		99
75] CHLOROFORM (SIM)	2.912	83	15345	0.265	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	10066	0.269	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	15561	0.275	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	7504	0.265	PPBV		99
80] BROMODICHLOROMETHANE (...	3.769	83	16502	0.273	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	9756	0.274	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	11201	0.265	PPBV		99
83] TRANS-1,3-DICHLOROPROP...	4.323	75	9873	0.264	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	8674	0.264	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	13947	0.246	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	18815	0.291	PPBV		100
89] NAPHTHALENE (SIM)	7.803	128	19820	0.402	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214011.D Vial: 3
Acq On : 02 Aug 2023 07:35 pm Operator: CMR
Sample : 0.25PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:43 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214011.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

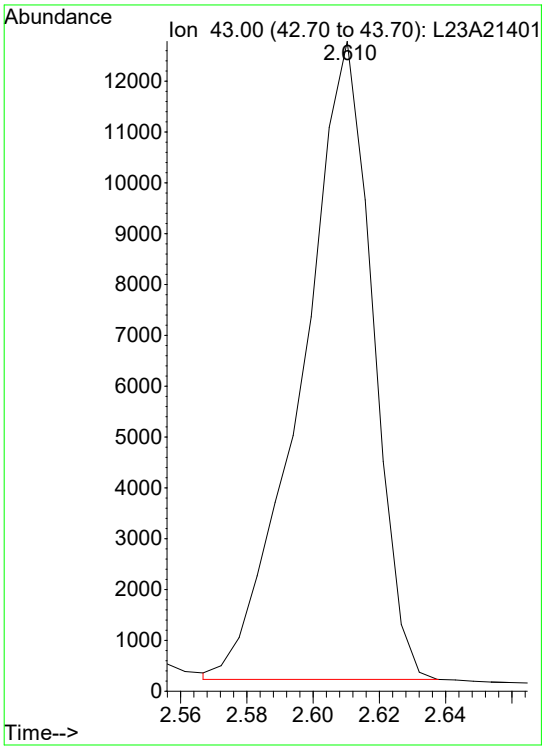




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214011.D
Acq On : 02 Aug 2023 07:35 pm
Operator : CMR
Sample : 0.25PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:11:40 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

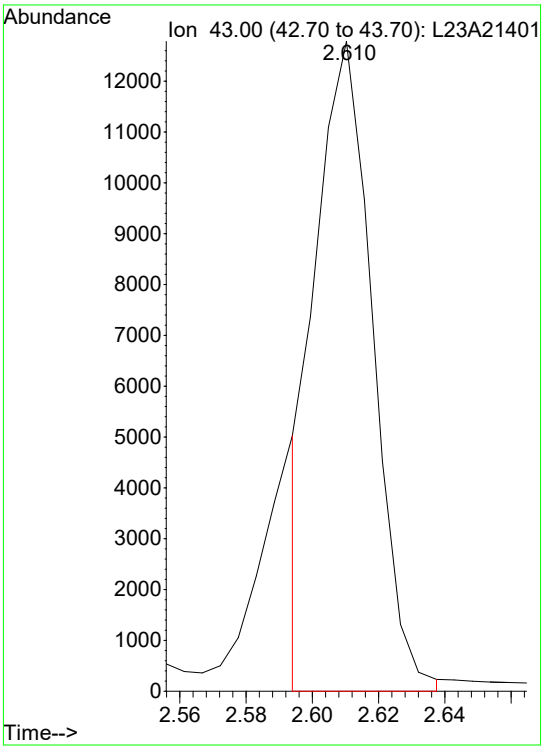
RT : 2.61
Area : 18564
Amount: 0.329404

Manual Int. Results

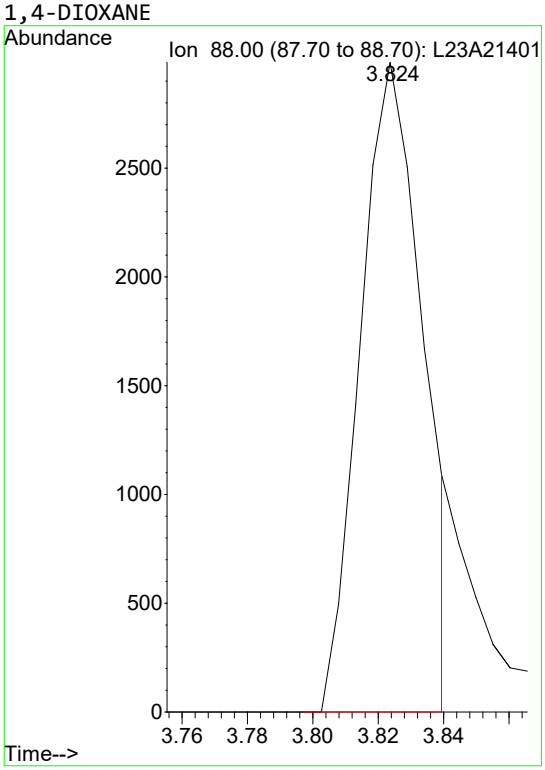
Thu Aug 03 10:11:17 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 15447
Amount: 0.274095

Manual Integration
VINYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

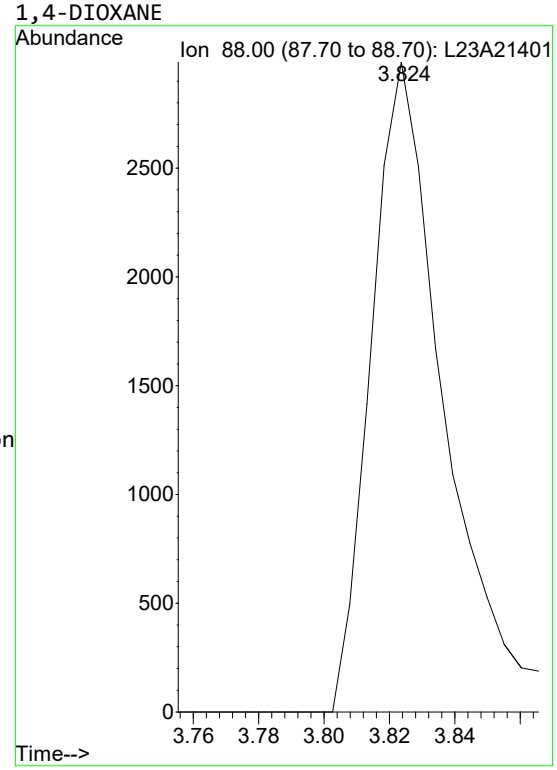
RT : 3.82
Area : 3993
Amount: 0.211428

Manual Int. Results

Thu Aug 03 10:11:40 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.82
Area : 4624
Amount: 0.244839

Manual Integration
1,4-DIOXANE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214012.D Vial: 3
Acq On : 02 Aug 2023 08:01 pm Operator: CMR
Sample : 0.50PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:46 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214012.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	319619	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.544	114	893136	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	833092	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	353693	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	936603	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	928279	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	458274	8.161	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 102.00%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	473635	7.992	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.88%			
Target Compounds						Qvalue
2) PROPENE	1.520	41	7332	0.471	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.535	85	34362	0.532	PPBV	97
4) CHLOROMETHANE	1.577	50	12489	0.513	PPBV	98
5) FREON 114	1.603	85	34932	0.538	PPBV	96
6) VINYL CHLORIDE	1.630	62	13197	0.488	PPBV	84
7) 1,3-BUTADIENE	1.667	54	10348	0.516	PPBV	98
8) BROMOMETHANE	1.735	94	12150	0.525	PPBV	98
9) CHLOROETHANE	1.777	64	7633	0.519	PPBV	98
10) ACROLEIN	1.903	56	6521	0.529	PPBV	97
11) ACETONE	1.945	43	24880	0.543	PPBV	97
12) TRICHLOROFLUOROMETHANE	1.992	101	34521	0.518	PPBV	98
13) ETHANOL	1.813	45	3408	0.387	PPBV	69
14) 1,1-DICHLOROETHENE	2.175	61	21896	0.498	PPBV	98
15) METHYLENE CHLORIDE	2.208	49	17584	0.552	PPBV	98
16) FREON 113	2.300	101	28580	0.534	PPBV	100
17) CARBON DISULFIDE	2.300	76	38377	0.495	PPBV	95
18) TRANS-1,2-DICHLOROETHENE	2.502	61	22649	0.539	PPBV	95
19) 1,1-DICHLOROETHANE	2.561	63	26848	0.523	PPBV	96
20) MTBE	2.594	73	41399	0.494	PPBV	100
21) IPA	2.018	45	24486	0.527	PPBV	96
22) 2-BUTANONE(MEK)	2.692	43	24830	0.494	PPBV	94
23) CIS-1,2-DICHLOROETHENE	2.817	61	17214	0.484	PPBV	91
24) VINYL ACETATE	2.610	43	26726m	0.469	PPBV	
25) HEXANE	2.898	41	15073	0.527	PPBV	100
26) ETHYL ACETATE	2.909	45	4680	0.490	PPBV	92
27) CHLOROFORM	2.915	83	27102	0.484	PPBV	95
28) TETRAHYDROFURAN	3.061	42	18602	0.482	PPBV	89
29) 1,2-DICHLOROETHANE	3.155	62	19883	0.543	PPBV	97
31) 1,1,1-TRICHLOROETHANE	3.250	97	27992	0.523	PPBV	98
32) BENZENE	3.409	78	39254	0.491	PPBV	100
33) CARBON TETRACHLORIDE	3.457	117	28987	0.535	PPBV	100
34) CYCLOHEXANE	3.506	84	14787	0.459	PPBV	89
35) 1,2-DICHLOROPROPANE	3.703	63	14463	0.518	PPBV	97
36) BROMODICHLOROMETHANE	3.771	83	31816	0.560	PPBV	96
37) TRICHLOROETHENE	3.792	95	18744	0.527	PPBV	93
38) 1,4-DIOXANE	3.818	88	9264	0.481	PPBV	89
39) METHYLMETHACRYLATE	3.886	69	12799m	0.472	PPBV	
40) HEPTANE	3.923	57	12949	0.367	PPBV	92
41) MIBK	4.152	58	12750	0.457	PPBV	91
42) CIS-1,3-DICHLOROPROPENE	4.116	75	20835	0.496	PPBV	97

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214012.D Vial: 3
Acq On : 02 Aug 2023 08:01 pm Operator: CMR
Sample : 0.50PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:46 2023

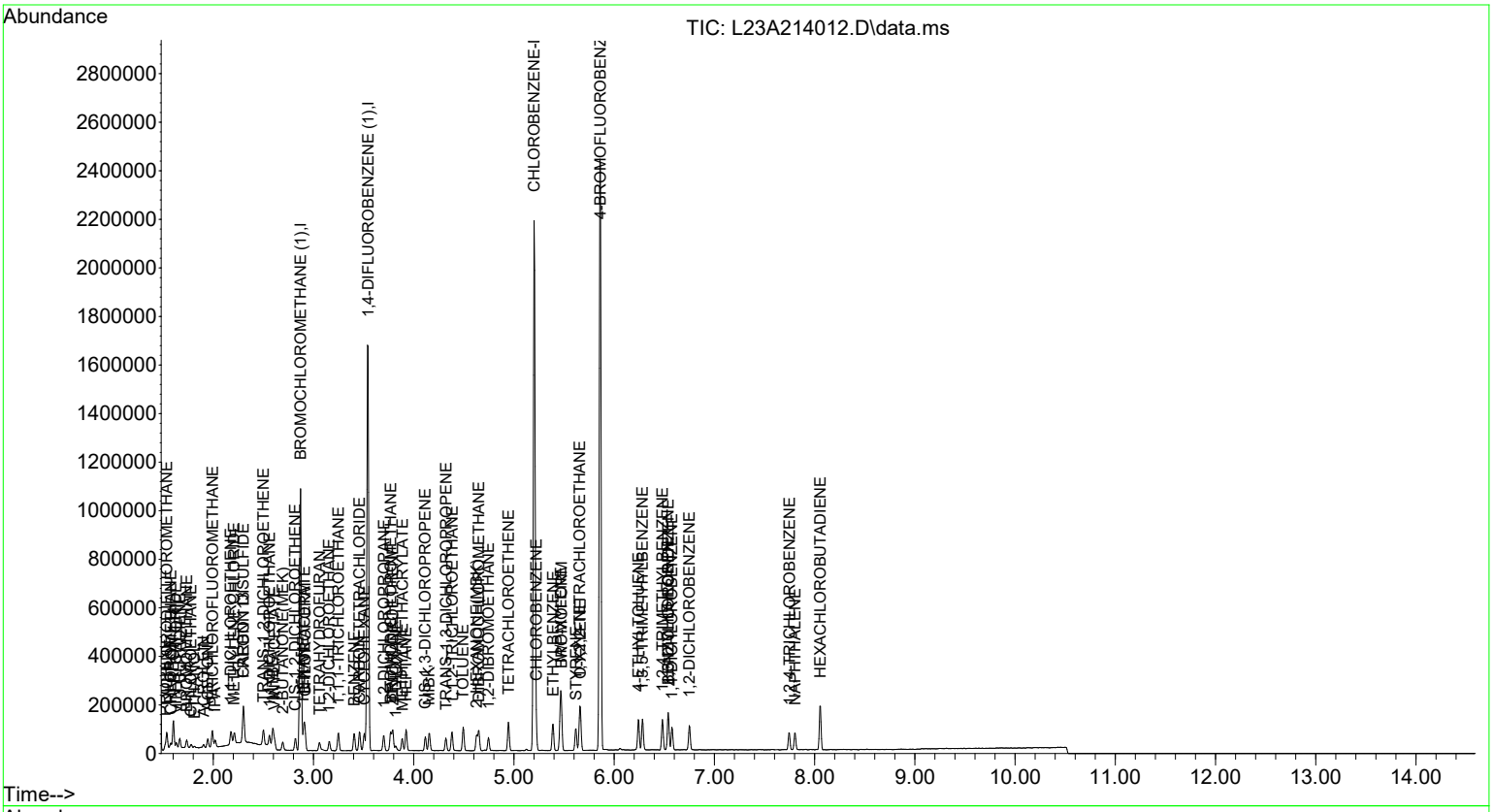
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214012.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

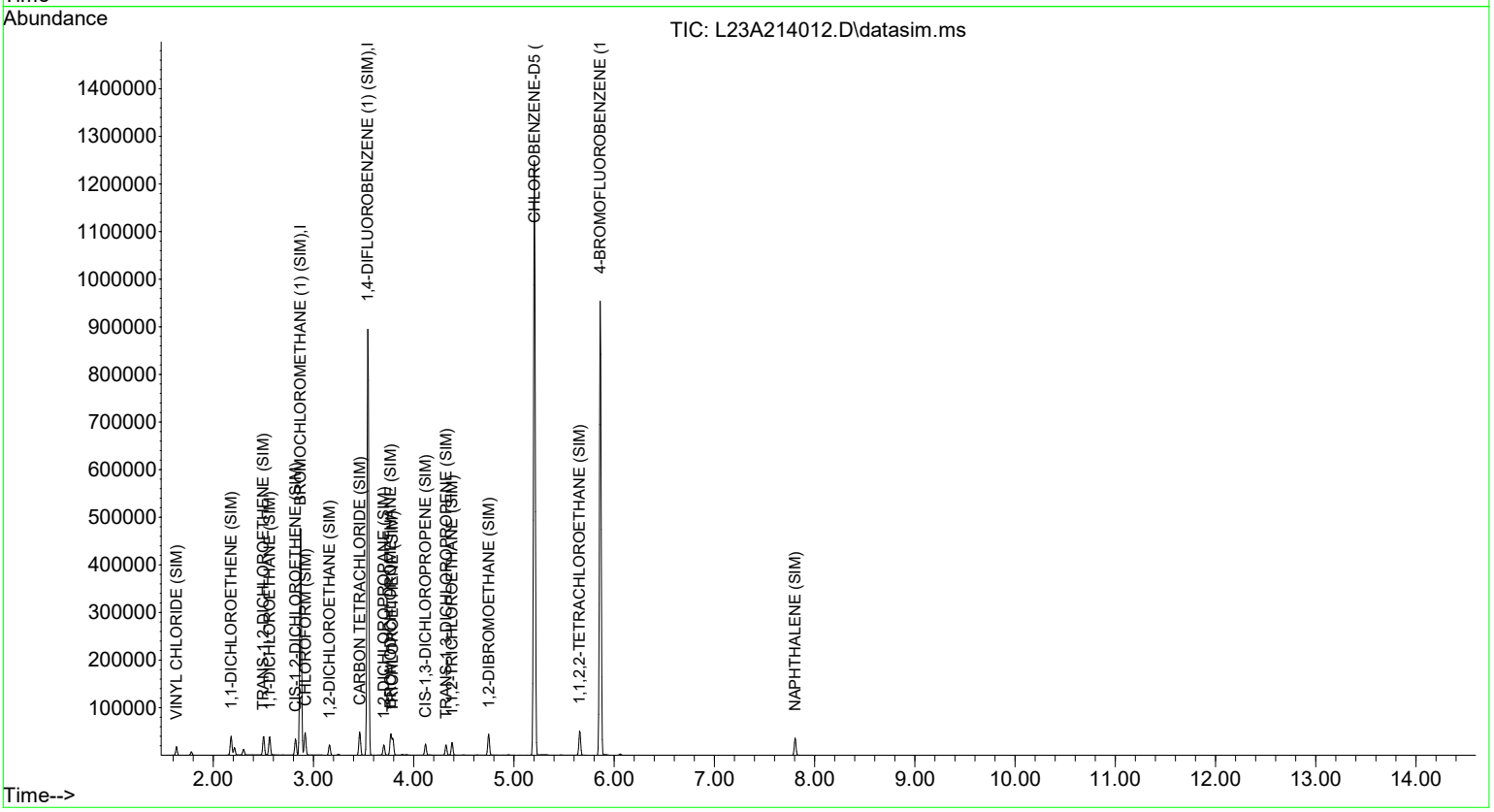
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	19253	0.520	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.383	97	15144	0.504	PPBV		94
46) TOLUENE	4.493	91	47602	0.499	PPBV		98
47) 2-HEXANONE(MBK)	4.624	43	30255	0.467	PPBV		100
48) DIBROMOCHLOROMETHANE	4.651	129	27922	0.509	PPBV		96
49) 1,2-DIBROMOETHANE	4.745	107	24592	0.475	PPBV		99
50) TETRACHLOROETHENE	4.944	166	21644	0.528	PPBV		99
51) CHLOROBENZENE	5.223	112	36605	0.521	PPBV	#	81
52) ETHYLBENZENE	5.391	91	56438	0.484	PPBV		97
53) M/P-XYLENE	5.467	91	97342	1.029	PPBV		99
54) BROMOFORM	5.472	173	24229	0.548	PPBV		97
55) STYRENE	5.619	104	32111	0.508	PPBV		96
56) O-XYLENE	5.663	91	47820	0.528	PPBV		99
57) 1,1,2,2-TETRACHLOROETHANE	5.657	83	35897	0.573	PPBV		99
59) 4-ETHYLTOLUENE	6.240	105	60836	0.509	PPBV		98
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	51327	0.524	PPBV		100
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	49496	0.518	PPBV	#	97
62) 1,3-DICHLOROBENZENE	6.539	146	29170	0.537	PPBV		99
63) BENZYL CHLORIDE	6.539	91	28387	0.541	PPBV		99
64) 1,4-DICHLOROBENZENE	6.576	146	26818	0.538	PPBV		95
65) 1,2-DICHLOROBENZENE	6.749	146	30498	0.599	PPBV		98
66) 1,2,4-TRICHLOROBENZENE	7.749	180	15094	0.786	PPBV		93
67) NAPHTHALENE	7.806	128	40182	0.854	PPBv		98
68) HEXACHLOROBUTADIENE	8.058	225	23813	0.842	PPBV		98
70] VINYL CHLORIDE (SIM)	1.633	62	14634	0.528	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	24395	0.531	PPBV		100
72] TRANS-1,2-DICHLOROETHE...	2.499	61	24109	0.533	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.564	63	29497	0.537	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	19845	0.517	PPBV		99
75] CHLOROFORM (SIM)	2.917	83	30696	0.524	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	20183	0.533	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	31023	0.537	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	15006	0.520	PPBV		100
80] BROMODICHLOROMETHANE (...	3.769	83	33244	0.539	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	19473	0.535	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	22323	0.518	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.323	75	20277	0.532	PPBV		100
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	17428	0.516	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	27103	0.466	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	37758	0.570	PPBV		100
89] NAPHTHALENE (SIM)	7.804	128	40343	0.798	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214012.D Vial: 3
Acq On : 02 Aug 2023 08:01 pm Operator: CMR
Sample : 0.50PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:46 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214012.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

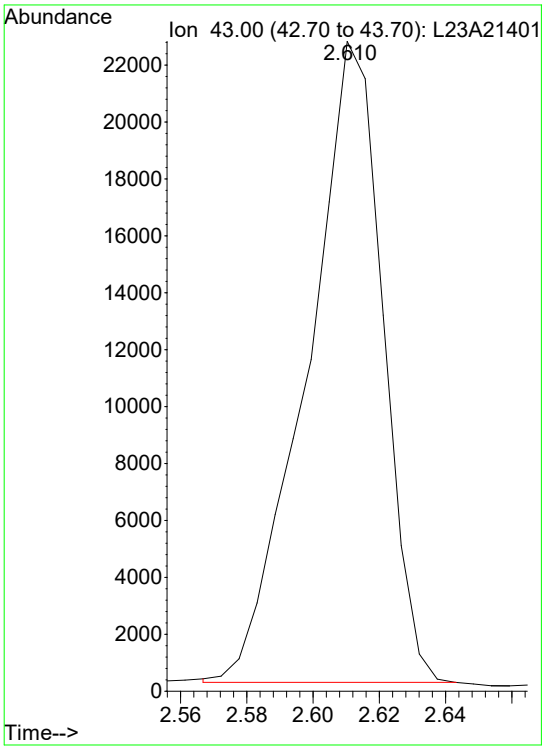




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214012.D
Acq On : 02 Aug 2023 08:01 pm
Operator : CMR
Sample : 0.50PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:02:52 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

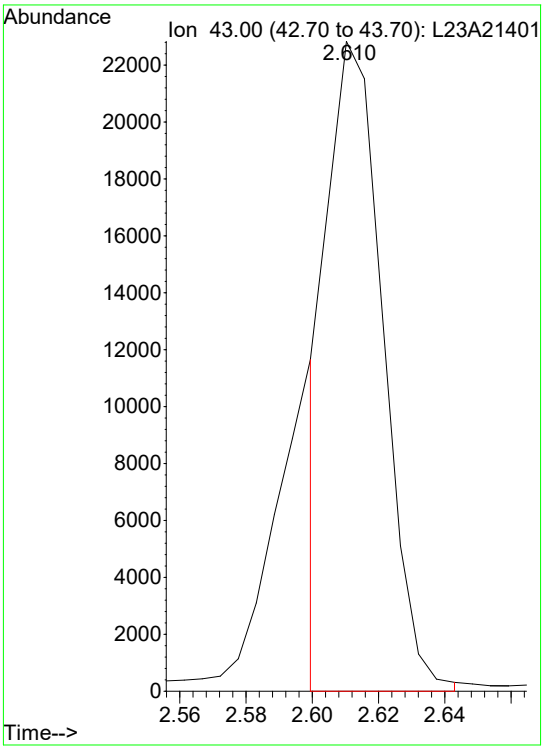
RT : 2.61
Area : 35583
Amount: 0.625004

Manual Int. Results

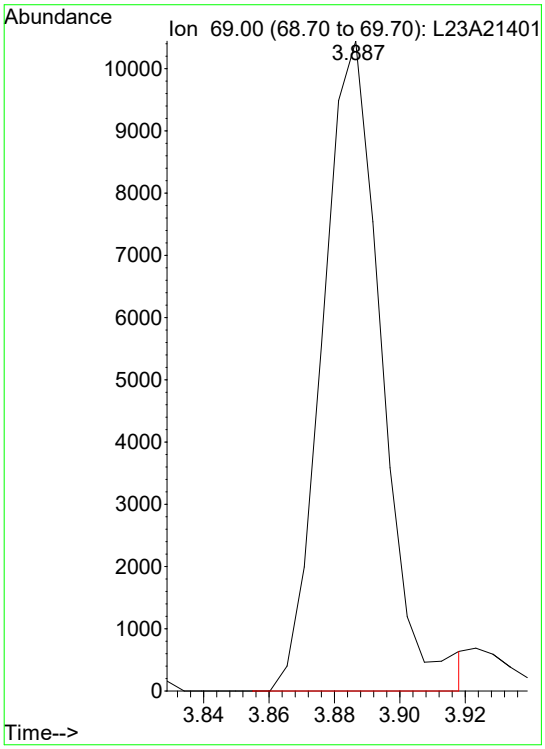
Thu Aug 03 10:02:25 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 26726
Amount: 0.469434

Manual Integration
VINYL ACETATE



Original Integration
METHYLMETHACRYLATE



Original Int. Results

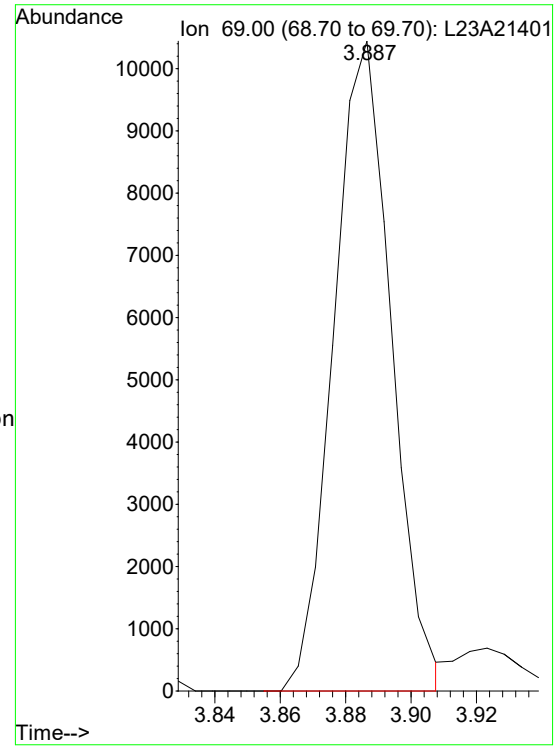
RT : 3.89
Area : 13148
Amount: 0.485316

Manual Int. Results

Thu Aug 03 10:02:52 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.89
Area : 12799
Amount: 0.472434

Manual Integration
METHYLMETHACRYLATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214013.D Vial: 3
Acq On : 02 Aug 2023 08:30 pm Operator: CMR
Sample : 1.0PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:49 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214013.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	310325	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	883007	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	823003	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	345691	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	915905	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	908219	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.857	174	457487	8.246	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 103.13%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	468116	8.073	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	15045	0.996	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.535	85	69296	1.106	PPBV	99
4) CHLOROMETHANE	1.572	50	23607	0.998	PPBV	99
5) FREON 114	1.598	85	70369	1.116	PPBV	97
6) VINYL CHLORIDE	1.630	62	26980	1.027	PPBV	99
7) 1,3-BUTADIENE	1.666	54	22189	1.139	PPBV	95
8) BROMOMETHANE	1.735	94	25524	1.135	PPBV	93
9) CHLOROETHANE	1.777	64	15538	1.089	PPBV	93
10) ACROLEIN	1.903	56	12162	1.016	PPBV	99
11) ACETONE	1.939	43	51272	1.152	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	71356	1.103	PPBV	100
13) ETHANOL	1.808	45	7682	0.899	PPBV	98
14) 1,1-DICHLOROETHENE	2.170	61	45064	1.055	PPBV	99
15) METHYLENE CHLORIDE	2.208	49	32262	1.042	PPBV	93
16) FREON 113	2.295	101	57419	1.105	PPBV	98
17) CARBON DISULFIDE	2.301	76	80871	1.074	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.496	61	43909	1.077	PPBV	98
19) 1,1-DICHLOROETHANE	2.556	63	53964	1.083	PPBV	98
20) MTBE	2.589	73	82025	1.008	PPBV	98
21) IPA	2.013	45	45936	1.019	PPBV	94
22) 2-BUTANONE(MEK)	2.687	43	48410	0.993	PPBV	99
23) CIS-1,2-DICHLOROETHENE	2.817	61	35463	1.027	PPBV	97
24) VINYL ACETATE	2.610	43	59135m	1.070	PPBV	
25) HEXANE	2.898	41	28057	1.010	PPBV	97
26) ETHYL ACETATE	2.904	45	8913	0.962	PPBV	88
27) CHLOROFORM	2.915	83	57329	1.054	PPBV	98
28) TETRAHYDROFURAN	3.056	42	33609	0.897	PPBV	94
29) 1,2-DICHLOROETHANE	3.156	62	38846	1.092	PPBV	96
31) 1,1,1-TRICHLOROETHANE	3.245	97	55416	1.046	PPBV	99
32) BENZENE	3.403	78	76311	0.965	PPBV	98
33) CARBON TETRACHLORIDE	3.458	117	57685	1.076	PPBV	99
34) CYCLOHEXANE	3.507	84	31435	0.987	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	27724	1.004	PPBV	96
36) BROMODICHLOROMETHANE	3.766	83	62526	1.112	PPBV	99
37) TRICHLOROETHENE	3.787	95	35984	1.023	PPBV	98
38) 1,4-DIOXANE	3.813	88	17903	0.941	PPBV	97
39) METHYLMETHACRYLATE	3.882	69	25905	0.967	PPBV	98
40) HEPTANE	3.924	57	22840	0.655	PPBV	96
41) MIBK	4.153	58	25958	0.941	PPBV	96
42) CIS-1,3-DICHLOROPROPENE	4.116	75	43337	1.042	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214013.D Vial: 3
Acq On : 02 Aug 2023 08:30 pm Operator: CMR
Sample : 1.0PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:49 2023

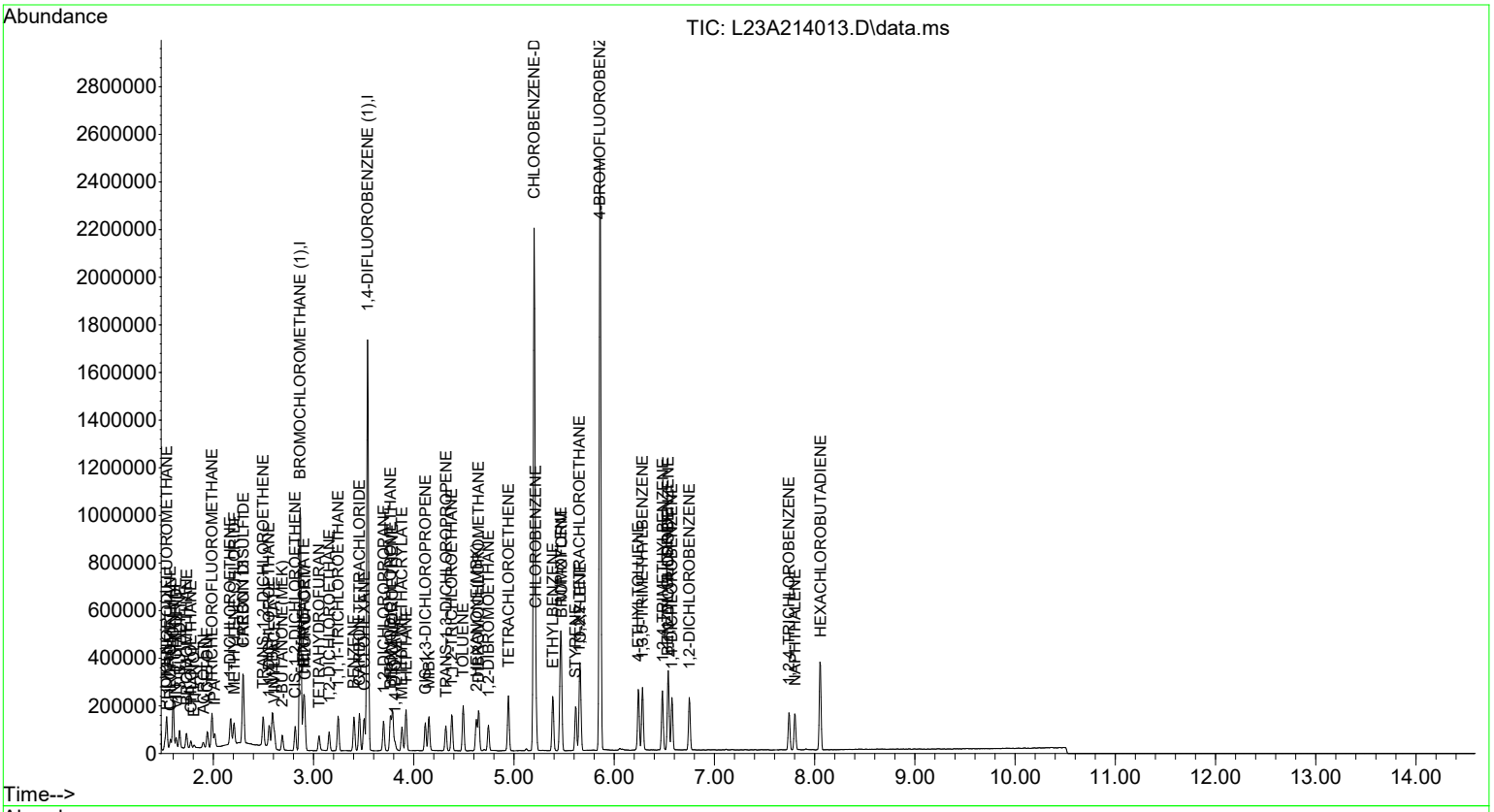
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214013.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

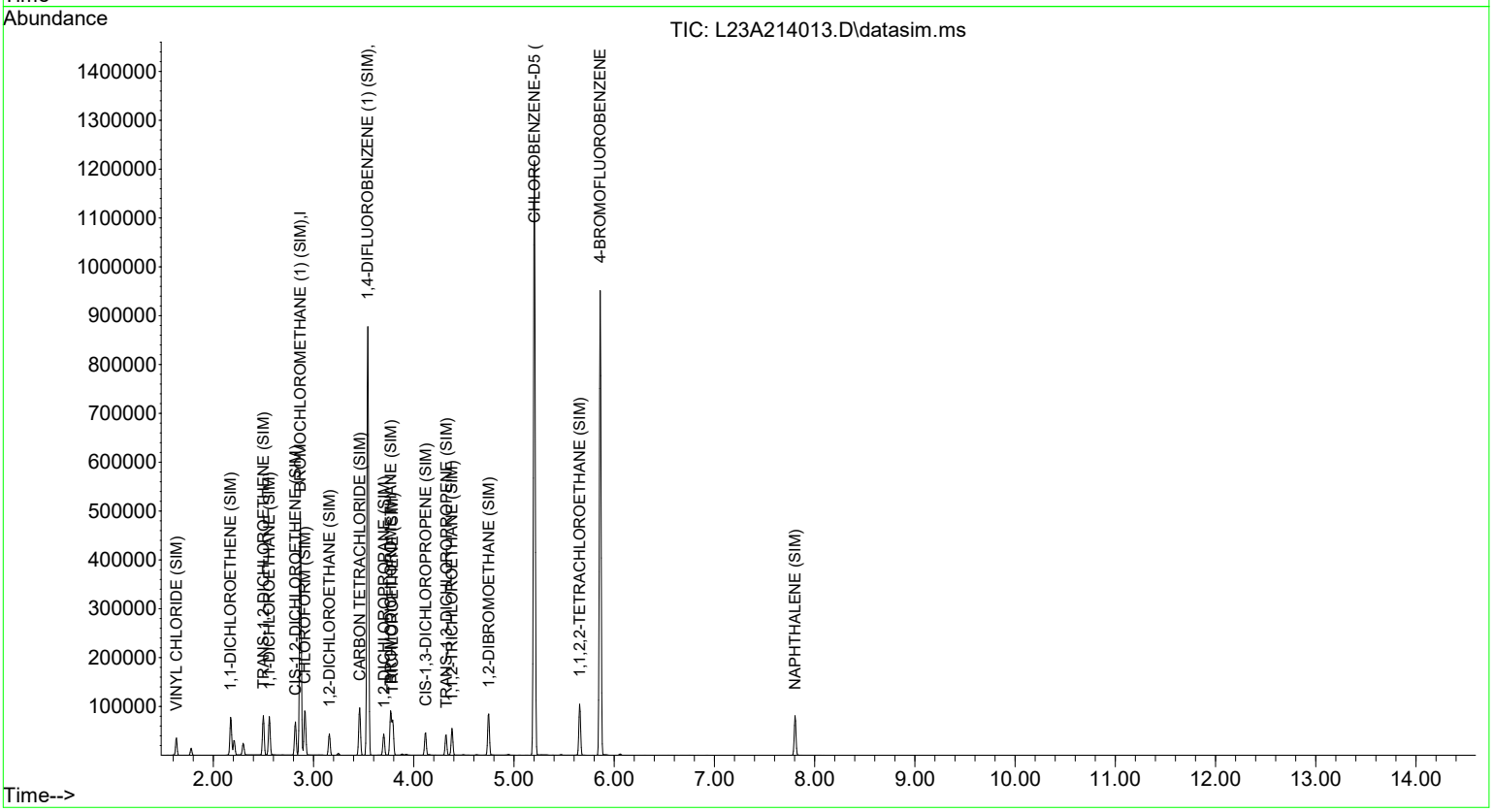
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	36822	1.005	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.378	97	31917	1.075	PPBV	98
46) TOLUENE	4.494	91	92331	0.980	PPBV	99
47) 2-HEXANONE(MBK)	4.625	43	61020	0.953	PPBV	98
48) DIBROMOCHLOROMETHANE	4.646	129	56975	1.052	PPBV	95
49) 1,2-DIBROMOETHANE	4.746	107	48816	0.954	PPBV	99
50) TETRACHLOROETHENE	4.945	166	43664	1.079	PPBV	98
51) CHLOROBENZENE	5.218	112	72129	1.040	PPBV	92
52) ETHYLBENZENE	5.386	91	120001	1.042	PPBV	99
53) M/P-XYLENE	5.468	91	199670	2.138	PPBV	99
54) BROMOFORM	5.473	173	48868	1.120	PPBV	98
55) STYRENE	5.614	104	69017	1.104	PPBV	99
56) O-XYLENE	5.663	91	95968	1.072	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	70014	1.131	PPBV	97
59) 4-ETHYLTOLUENE	6.240	105	123477	1.045	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	105544	1.092	PPBV	100
61) 1,2,4-TRIMETHYLBENZENE	6.482	105	104198	1.104	PPBV	99
62) 1,3-DICHLOROBENZENE	6.539	146	68293	1.272	PPBV	99
63) BENZYL CHLORIDE	6.534	91	61319	1.184	PPBV	98
64) 1,4-DICHLOROBENZENE	6.576	146	61148	1.243	PPBV	99
65) 1,2-DICHLOROBENZENE	6.749	146	62996	1.252	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.744	180	34060	1.795	PPBV	97
67) NAPHTHALENE	7.801	128	90048	1.937	PPBv	99
68) HEXACHLOROBUTADIENE	8.058	225	47811	1.711	PPBV	100
70] VINYL CHLORIDE (SIM)	1.633	62	29148	1.076	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	48845	1.087	PPBV	99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	47900	1.082	PPBV	100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	58359	1.087	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	39466	1.051	PPBV	100
75] CHLOROFORM (SIM)	2.912	83	61532	1.074	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	39900	1.077	PPBV	99
78] CARBON TETRACHLORIDE (...	3.461	117	61615	1.090	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	29869	1.058	PPBV	100
80] BROMODICHLOROMETHANE (...	3.769	83	66484	1.102	PPBV	100
81] TRICHLOROETHENE (SIM)	3.790	95	38818	1.090	PPBV	100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	44963	1.067	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.324	75	39994	1.073	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	35241	1.067	PPBV	100
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	52947	0.930	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	76381	1.178	PPBV	99
89] NAPHTHALENE (SIM)	7.804	128	89354	1.807	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214013.D Vial: 3
Acq On : 02 Aug 2023 08:30 pm Operator: CMR
Sample : 1.0PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:49 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214013.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

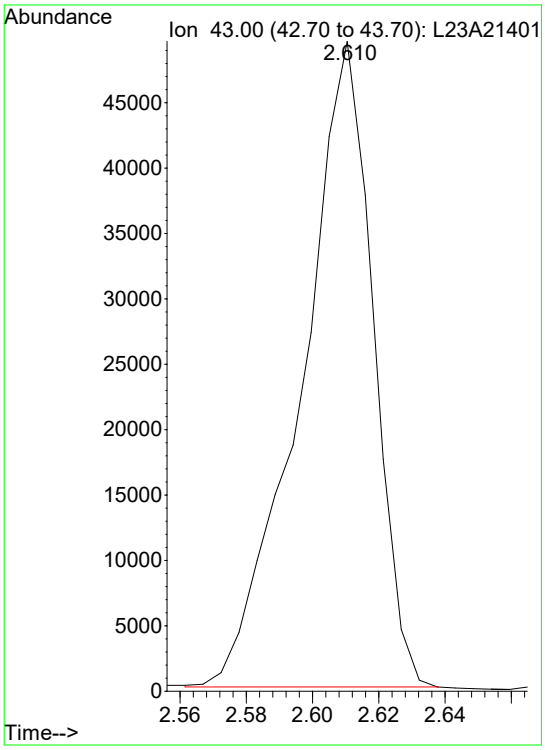




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214013.D
Acq On : 02 Aug 2023 08:30 pm
Operator : CMR
Sample : 1.0PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 09:59:57 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

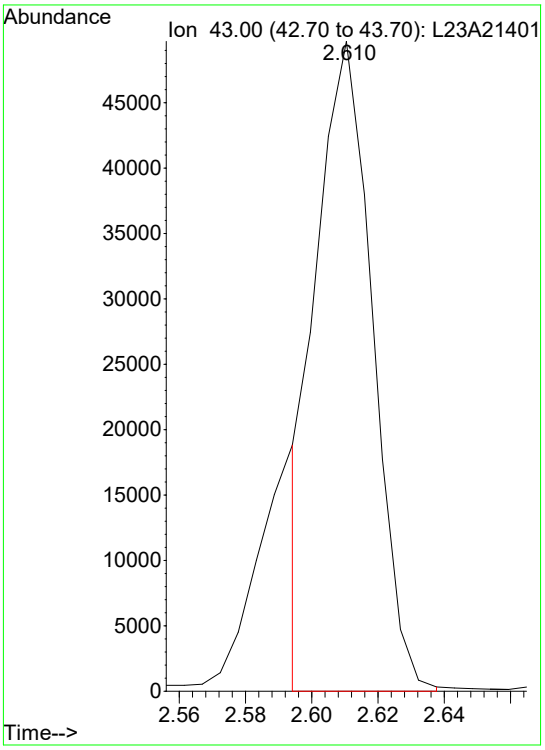
RT : 2.61
Area : 74064
Amount: 1.33987

Manual Int. Results

Thu Aug 03 09:59:56 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 59135
Amount: 1.0698

Manual Integration
VINYL ACETATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214014.D Vial: 4
Acq On : 02 Aug 2023 08:55 pm Operator: CMR
Sample : 2.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:52 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214014.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	311321	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	873907	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	818006	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	344732	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	922082	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	912150	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.863	174	460845	8.358	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 104.50%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	471189	8.091	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.13%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	28974	1.912	PPBV	93
3) DICHLORODIFLUOROMETHANE	1.535	85	135376	2.153	PPBV	100
4) CHLOROMETHANE	1.572	50	44620	1.881	PPBV	97
5) FREON 114	1.598	85	134229	2.122	PPBV	99
6) VINYL CHLORIDE	1.630	62	53135	2.016	PPBV	100
7) 1,3-BUTADIENE	1.661	54	41168	2.106	PPBV	98
8) BROMOMETHANE	1.729	94	48053	2.130	PPBV	96
9) CHLOROETHANE	1.777	64	27933	1.951	PPBV	99
10) ACROLEIN	1.897	56	22290	1.857	PPBV	96
11) ACETONE	1.939	43	82962	1.858	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	136566	2.104	PPBV	99
13) ETHANOL	1.808	45	12991	1.516	PPBV	95
14) 1,1-DICHLOROETHENE	2.170	61	85231	1.989	PPBV	97
15) METHYLENE CHLORIDE	2.208	49	65092	2.096	PPBV	99
16) FREON 113	2.295	101	106921	2.050	PPBV	98
17) CARBON DISULFIDE	2.301	76	148766	1.970	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.496	61	84607	2.069	PPBV	98
19) 1,1-DICHLOROETHANE	2.556	63	104591	2.092	PPBV	98
20) MTBE	2.589	73	158623	1.943	PPBV	99
21) IPA	2.013	45	89747	1.984	PPBV	96
22) 2-BUTANONE(MEK)	2.687	43	94228	1.926	PPBV	99
23) CIS-1,2-DICHLOROETHENE	2.817	61	67748	1.956	PPBV	96
24) VINYL ACETATE	2.611	43	113062m	2.039	PPBV	
25) HEXANE	2.899	41	54978	1.973	PPBV	98
26) ETHYL ACETATE	2.904	45	15407	1.657	PPBV	95
27) CHLOROFORM	2.915	83	107549	1.972	PPBV	99
28) TETRAHYDROFURAN	3.056	42	70547	1.876	PPBV	96
29) 1,2-DICHLOROETHANE	3.156	62	71649	2.008	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	106148	2.025	PPBV	99
32) BENZENE	3.404	78	147152	1.879	PPBV	99
33) CARBON TETRACHLORIDE	3.458	117	107396	2.025	PPBV	97
34) CYCLOHEXANE	3.507	84	61936	1.965	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	55364	2.026	PPBV	98
36) BROMODICHLOROMETHANE	3.766	83	117794	2.118	PPBV	100
37) TRICHLOROETHENE	3.787	95	67800	1.948	PPBV	98
38) 1,4-DIOXANE	3.808	88	37330	1.982	PPBV	97
39) METHYLMETHACRYLATE	3.882	69	51536	1.944	PPBV	99
40) HEPTANE	3.924	57	45828	1.327	PPBV	94
41) MIBK	4.153	58	51463	1.885	PPBV	98
42) CIS-1,3-DICHLOROPROPENE	4.116	75	80364	1.953	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214014.D Vial: 4
Acq On : 02 Aug 2023 08:55 pm Operator: CMR
Sample : 2.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:52 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214014.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

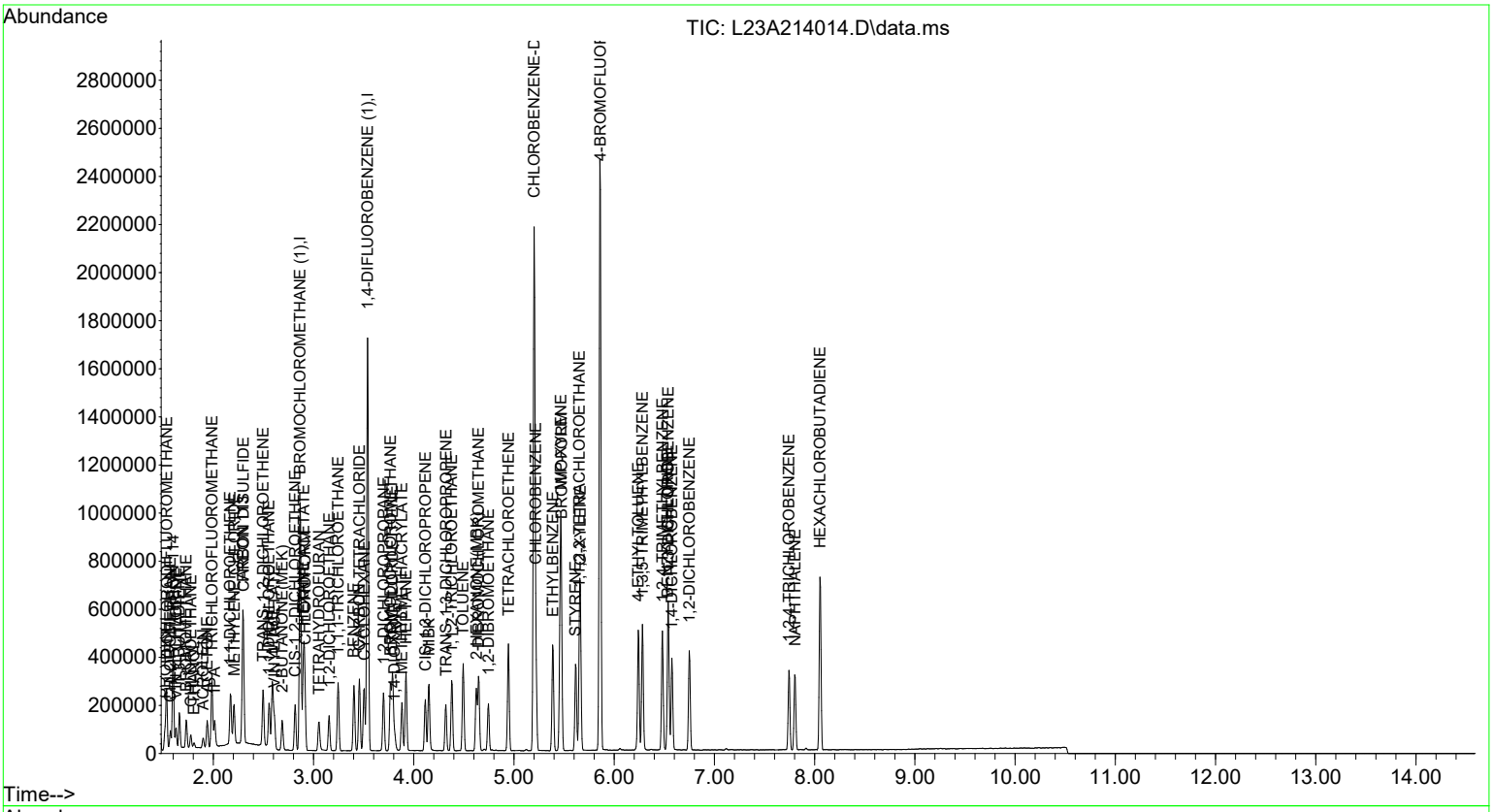
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	71556	1.974	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.378	97	62829	2.129	PPBV		97
46) TOLUENE	4.494	91	175936	1.878	PPBV		100
47) 2-HEXANONE(MBK)	4.625	43	118610	1.863	PPBV		98
48) DIBROMOCHLOROMETHANE	4.646	129	106254	1.974	PPBV		99
49) 1,2-DIBROMOETHANE	4.746	107	90863	1.787	PPBV		99
50) TETRACHLOROETHENE	4.945	166	81962	2.037	PPBV		99
51) CHLOROBENZENE	5.217	112	137230	1.990	PPBV		96
52) ETHYLBENZENE	5.386	91	233180	2.038	PPBV		99
53) M/P-XYLENE	5.467	91	385909	4.157	PPBV		100
54) BROMOFORM	5.473	173	91707	2.114	PPBV		99
55) STYRENE	5.614	104	132938	2.140	PPBV		100
56) O-XYLENE	5.663	91	183287	2.060	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	134618	2.189	PPBV		98
59) 4-ETHYLTOLUENE	6.240	105	244052	2.079	PPBV		99
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	208961	2.174	PPBV		98
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	205499	2.191	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.539	146	123623	2.316	PPBV		99
63) BENZYL CHLORIDE	6.534	91	120429	2.339	PPBV		98
64) 1,4-DICHLOROBENZENE	6.576	146	108013	2.209	PPBV		97
65) 1,2-DICHLOROBENZENE	6.749	146	117004	2.340	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.744	180	71681	3.800	PPBV		96
67) NAPHTHALENE	7.801	128	183638	3.975	PPBv		99
68) HEXACHLOROBUTADIENE	8.053	225	93479	3.366	PPBV		100
70] VINYL CHLORIDE (SIM)	1.627	62	56213	2.080	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	93912	2.095	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	91364	2.070	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	112716	2.106	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	75511	2.017	PPBV		100
75] CHLOROFORM (SIM)	2.912	83	117622	2.059	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	76207	2.064	PPBV		99
78] CARBON TETRACHLORIDE (...	3.461	117	119459	2.100	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	57587	2.026	PPBV		100
80] BROMODICHLOROMETHANE (...	3.769	83	127676	2.103	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	73422	2.048	PPBV		99
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	85368	2.012	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.324	75	73992	1.971	PPBV		100
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	66889	2.016	PPBV		100
86] 1,2-DIBROMOETHANE (SIM)	4.749	107	97449	1.705	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	144802	2.224	PPBV		99
89] NAPHTHALENE (SIM)	7.804	128	184082	3.707	PPBV		100

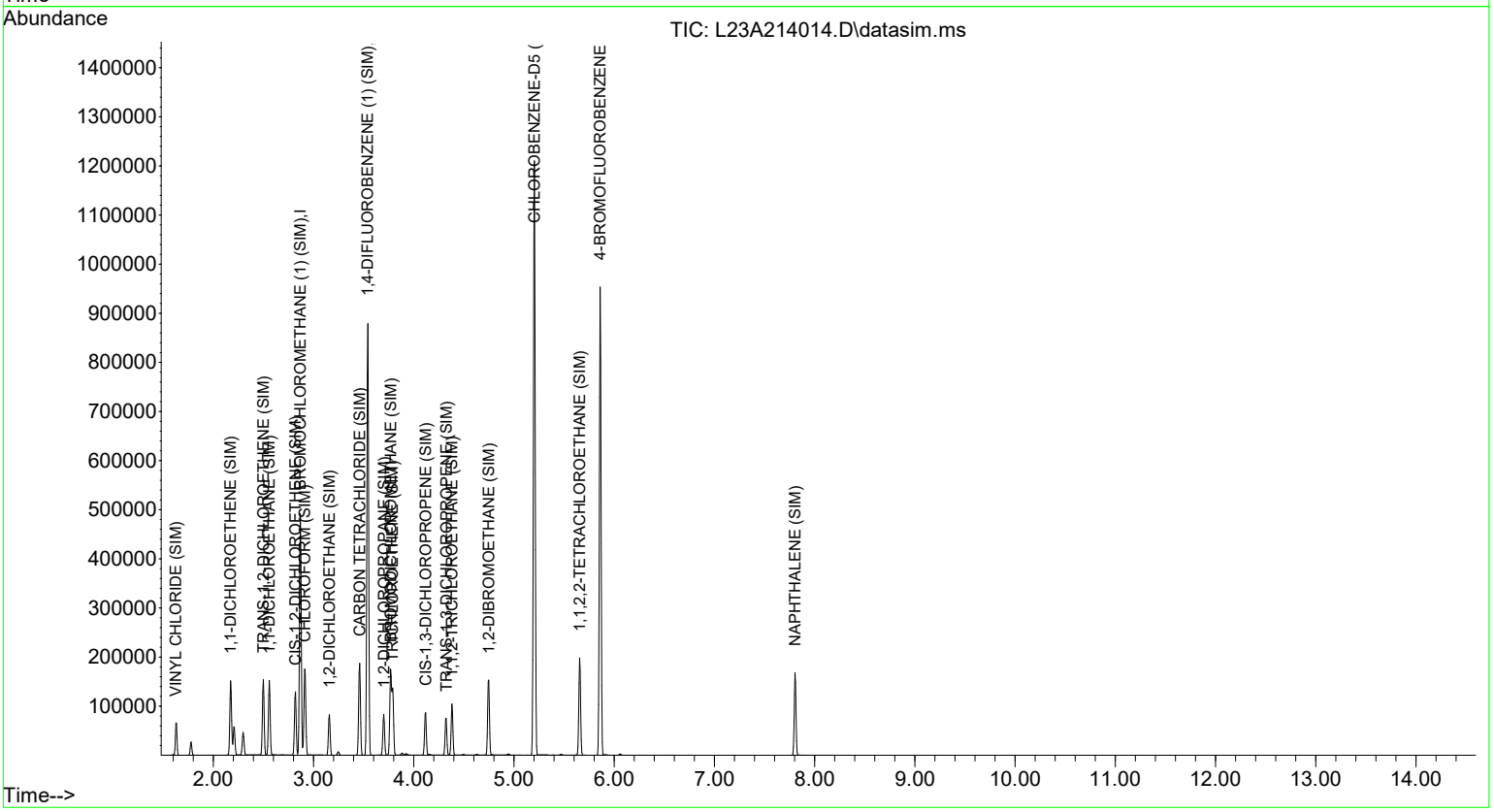
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214014.D Vial: 4
Acq On : 02 Aug 2023 08:55 pm Operator: CMR
Sample : 2.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:52 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214014.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

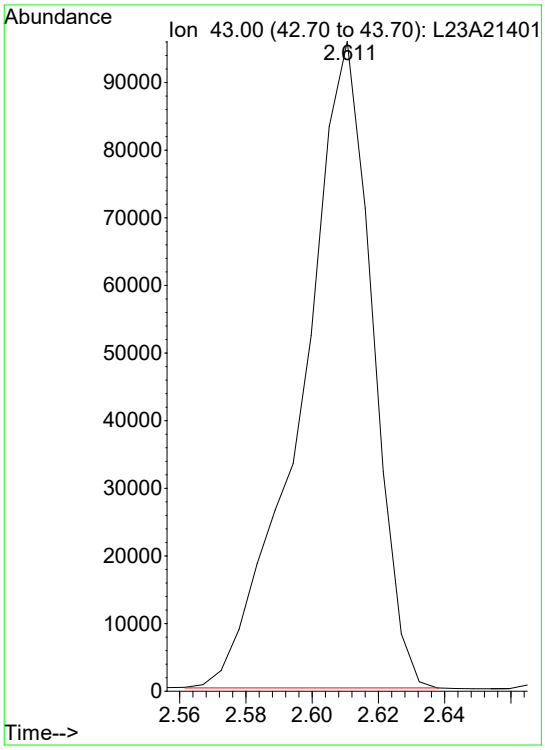




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214014.D
Acq On : 02 Aug 2023 08:55 pm
Operator : CMR
Sample : 2.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 09:57:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

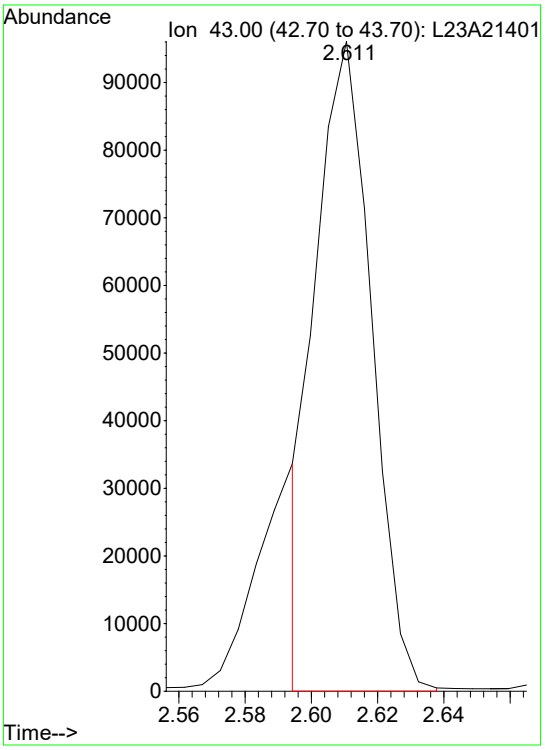
RT : 2.61
Area : 140987
Amount: 2.5424

Manual Int. Results

Thu Aug 03 09:57:03 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 113062
Amount: 2.03883

Manual Integration
VINYL ACETATE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214015.D Vial: 4
Acq On : 02 Aug 2023 09:21 pm Operator: CMR
Sample : 5.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:55 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214015.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	314027	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	895773	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.202	117	837397	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	346621	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	942388	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.205	117	924670	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.858	174	479371	8.492	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 106.13%			
88) 4-BROMOFLUOROBENZENE (...	5.861	174	484995	8.215	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 102.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	72418	4.737	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	359048	5.662	PPBV	100
4) CHLOROMETHANE	1.572	50	123495	5.160	PPBV	98
5) FREON 114	1.598	85	356154	5.583	PPBV	99
6) VINYL CHLORIDE	1.630	62	142674	5.368	PPBV	99
7) 1,3-BUTADIENE	1.666	54	106876	5.420	PPBV	100
8) BROMOMETHANE	1.735	94	123093	5.410	PPBV	99
9) CHLOROETHANE	1.777	64	73859	5.113	PPBV	99
10) ACROLEIN	1.903	56	57111	4.717	PPBV	99
11) ACETONE	1.939	43	211492	4.695	PPBV	100
12) TRICHLOROFLUOROMETHANE	1.987	101	361610	5.523	PPBV	100
13) ETHANOL	1.808	45	33512	3.876	PPBV	99
14) 1,1-DICHLOROETHENE	2.176	61	225584	5.219	PPBV	100
15) METHYLENE CHLORIDE	2.208	49	168593	5.382	PPBV	99
16) FREON 113	2.301	101	284261	5.404	PPBV	99
17) CARBON DISULFIDE	2.301	76	398636	5.233	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.502	61	224233	5.435	PPBV	99
19) 1,1-DICHLOROETHANE	2.562	63	271123	5.376	PPBV	97
20) MTBE	2.589	73	413173	5.018	PPBV	98
21) IPA	2.013	45	239171	5.241	PPBV	100
22) 2-BUTANONE(MEK)	2.687	43	249004	5.046	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.817	61	181174	5.185	PPBV	97
24) VINYL ACETATE	2.611	43	283760m	5.073	PPBV	
25) HEXANE	2.899	41	142920	5.086	PPBV	99
26) ETHYL ACETATE	2.904	45	43629	4.651	PPBV	97
27) CHLOROFORM	2.915	83	288740	5.248	PPBV	99
28) TETRAHYDROFURAN	3.051	42	171441	4.519	PPBV	96
29) 1,2-DICHLOROETHANE	3.156	62	192843	5.358	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	284456	5.294	PPBV	99
32) BENZENE	3.404	78	398357	4.963	PPBV	99
33) CARBON TETRACHLORIDE	3.458	117	291920	5.369	PPBV	99
34) CYCLOHEXANE	3.507	84	165467	5.122	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	147407	5.262	PPBV	98
36) BROMODICHLOROMETHANE	3.772	83	320215	5.616	PPBV	99
37) TRICHLOROETHENE	3.788	95	183191	5.135	PPBV	97
38) 1,4-DIOXANE	3.803	88	97174	5.033	PPBV	99
39) METHYLMETHACRYLATE	3.882	69	139241	5.125	PPBV	98
40) HEPTANE	3.924	57	124079	3.505	PPBV	94
41) MIBK	4.148	58	136902	4.891	PPBV	98
42) CIS-1,3-DICHLOROPROPENE	4.116	75	222947	5.287	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214015.D Vial: 4 579
Acq On : 02 Aug 2023 09:21 pm Operator: CMR
Sample : 5.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:55 2023

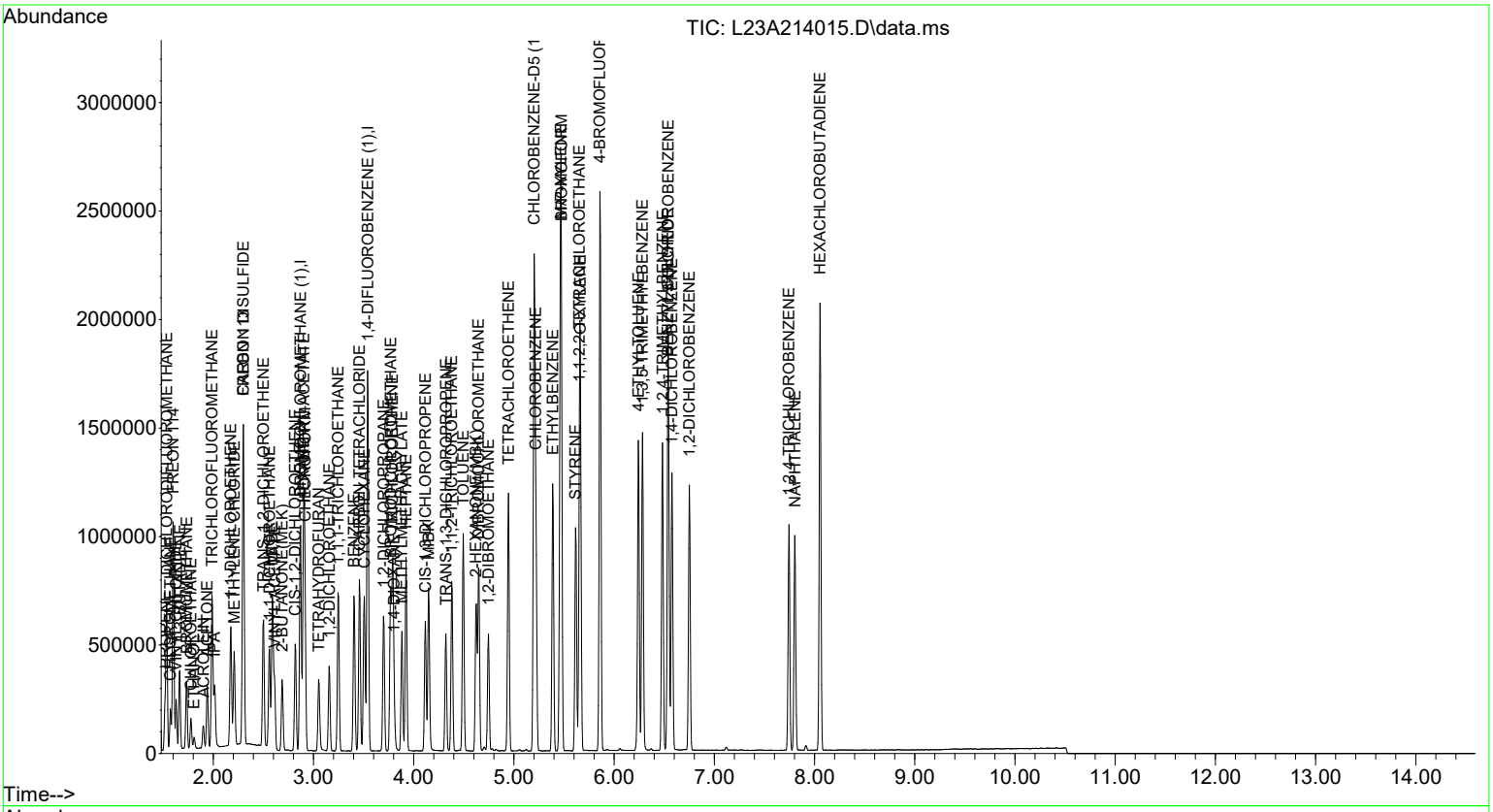
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214015.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

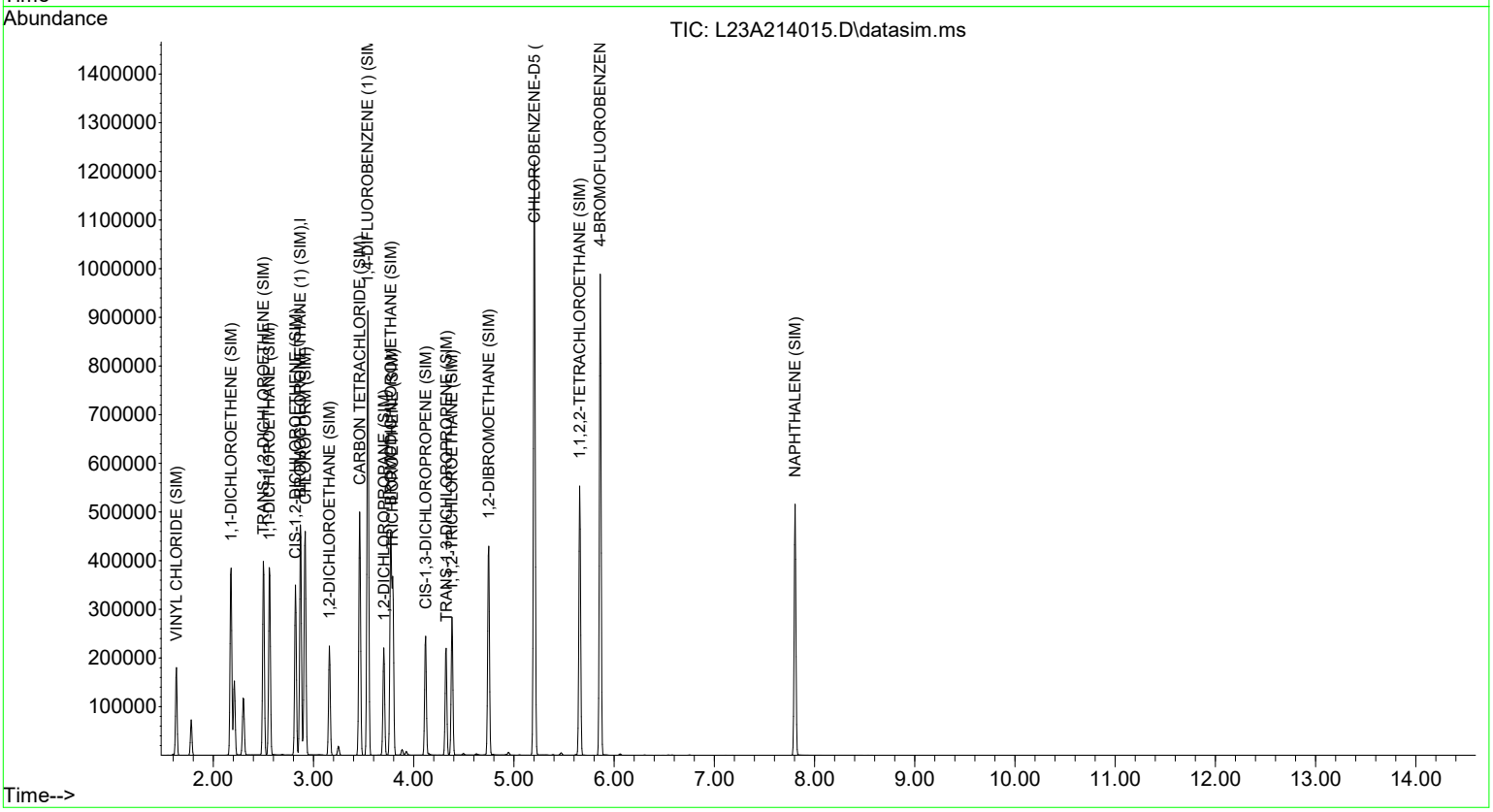
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	198784	5.351	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.379	97	165869	5.490	PPBV		100
46) TOLUENE	4.494	91	487270	5.082	PPBV		99
47) 2-HEXANONE(MBK)	4.620	43	324640	4.981	PPBV		99
48) DIBROMOCHLOROMETHANE	4.647	129	297325	5.395	PPBV		98
49) 1,2-DIBROMOETHANE	4.746	107	248536	4.775	PPBV		100
50) TETRACHLOROETHENE	4.946	166	219218	5.323	PPBV		100
51) CHLOROBENZENE	5.218	112	375524	5.319	PPBV		99
52) ETHYLBENZENE	5.387	91	639148	5.455	PPBV		100
53) M/P-XYLENE	5.468	91	1072129	11.281	PPBV		99
54) BROMOFORM	5.474	173	256965	5.786	PPBV		100
55) STYRENE	5.615	104	372434	5.858	PPBV		99
56) O-XYLENE	5.664	91	526602	5.781	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.653	83	371919	5.906	PPBV		98
59) 4-ETHYLTOLUENE	6.241	105	698712	5.814	PPBV		98
60) 1,3,5-TRIMETHYLBENZENE	6.283	105	592093	6.018	PPBV		99
61) 1,2,4-TRIMETHYLBENZENE	6.483	105	587674	6.120	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.540	146	380323	6.961	PPBV		98
63) BENZYL CHLORIDE	6.535	91	369362	7.009	PPBV		99
64) 1,4-DICHLOROBENZENE	6.577	146	346075	6.913	PPBV		100
65) 1,2-DICHLOROBENZENE	6.750	146	339426	6.630	PPBV		99
66) 1,2,4-TRICHLOROBENZENE	7.745	180	219018	11.341	PPBV		96
67) NAPHTHALENE	7.803	128	565859	11.966	PPBv		100
68) HEXACHLOROBUTADIENE	8.055	225	256477	9.021	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	148265	5.457	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	247255	5.487	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	242942	5.475	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	296237	5.504	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	202060	5.367	PPBV		100
75] CHLOROFORM (SIM)	2.918	83	312317	5.438	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	203500	5.481	PPBV		99
78] CARBON TETRACHLORIDE (...	3.461	117	317072	5.454	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	154836	5.330	PPBV		100
80] BROMODICHLOROMETHANE (...	3.769	83	341973	5.511	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	198148	5.409	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	236185	5.447	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.324	75	211717	5.519	PPBV		100
85] 1,1,2-TRICHLOROETHANE ...	4.382	97	181732	5.404	PPBV		100
86] 1,2-DIBROMOETHANE (SIM)	4.749	107	271459	4.685	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.656	83	401576	6.083	PPBV		99
89] NAPHTHALENE (SIM)	7.806	128	565467	11.233	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214015.D Vial: 4
Acq On : 02 Aug 2023 09:21 pm Operator: CMR
Sample : 5.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:55 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214015.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

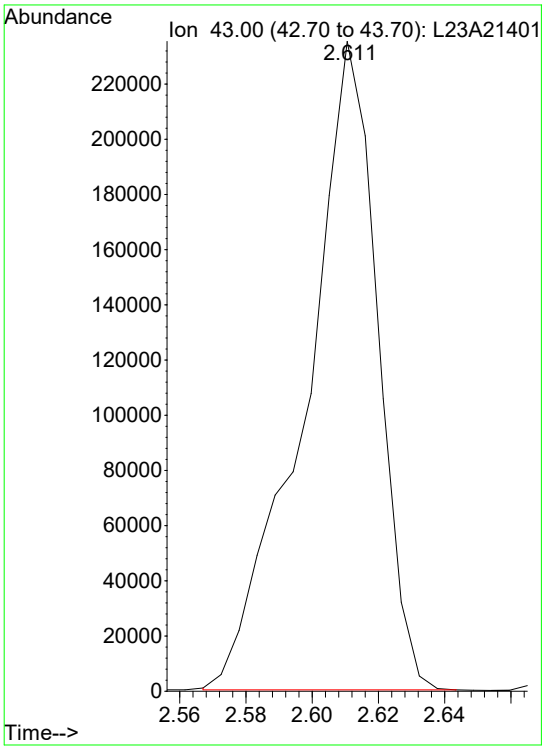




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214015.D
Acq On : 02 Aug 2023 09:21 pm
Operator : CMR
Sample : 5.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 09:41:35 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

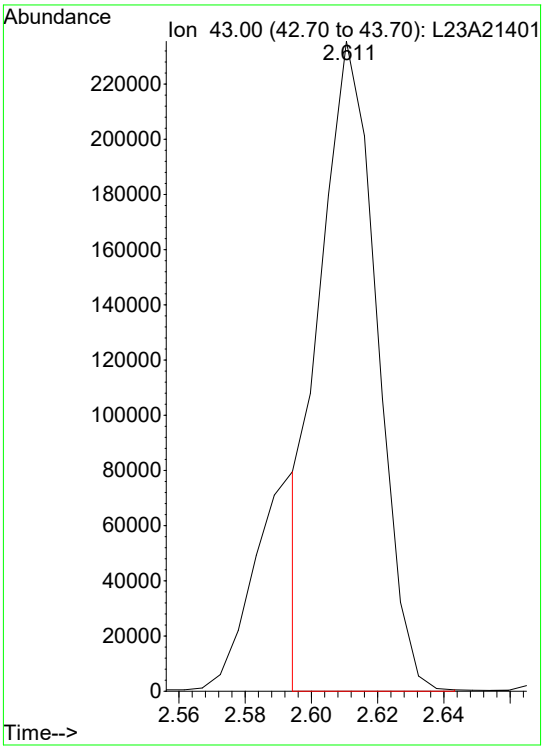
RT : 2.61
Area : 355922
Amount: 6.36298

Manual Int. Results

Thu Aug 03 09:41:35 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 283760
Amount: 5.07291

Manual Integration
VINYL ACETATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214016.D Vial: 4
Acq On : 02 Aug 2023 09:48 pm Operator: CMR
Sample : 10.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:58 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214016.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	305906	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	897476	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.203	117	839818	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	342395	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	938171	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.206	117	928391	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.859	174	471389	8.327	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 104.13%			
88) 4-BROMOFLUOROBENZENE (...	5.862	174	488450	8.241	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	141215	9.483	PPBV	99
3) DICHLORODIFLUOROMETHANE	1.535	85	687328	11.126	PPBV	99
4) CHLOROMETHANE	1.572	50	231332	9.923	PPBV	98
5) FREON 114	1.598	85	685862	11.036	PPBV	99
6) VINYL CHLORIDE	1.630	62	273726	10.572	PPBV	99
7) 1,3-BUTADIENE	1.661	54	208677	10.864	PPBV	99
8) BROMOMETHANE	1.729	94	237451	10.713	PPBV	98
9) CHLOROETHANE	1.777	64	143957	10.230	PPBV	99
10) ACROLEIN	1.897	56	114799	9.733	PPBV	100
11) ACETONE	1.934	43	407836	9.294	PPBV	100
12) TRICHLOROFLUOROMETHANE	1.987	101	703770	11.035	PPBV	100
13) ETHANOL	1.803	45	66397	7.883	PPBV	100
14) 1,1-DICHLOROETHENE	2.170	61	438046	10.403	PPBV	100
15) METHYLENE CHLORIDE	2.208	49	327302	10.726	PPBV	99
16) FREON 113	2.295	101	563930	11.005	PPBV	99
17) CARBON DISULFIDE	2.295	76	776041	10.457	PPBV	100
18) TRANS-1,2-DICHLOROETHENE	2.496	61	432866	10.770	PPBV	98
19) 1,1-DICHLOROETHANE	2.556	63	532669	10.842	PPBV	99
20) MTBE	2.589	73	795599	9.920	PPBV	97
21) IPA	2.008	45	455939	10.257	PPBV	99
22) 2-BUTANONE(MEK)	2.681	43	498253	10.364	PPBV	98
23) CIS-1,2-DICHLOROETHENE	2.817	61	359395	10.559	PPBV	97
24) VINYL ACETATE	2.611	43	504634m	9.261	PPBV	
25) HEXANE	2.899	41	285937	10.445	PPBV	99
26) ETHYL ACETATE	2.904	45	88054	9.636	PPBV	96
27) CHLOROFORM	2.915	83	562787	10.500	PPBV	99
28) TETRAHYDROFURAN	3.051	42	338825	9.169	PPBV	95
29) 1,2-DICHLOROETHANE	3.156	62	377220	10.759	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	565985	10.514	PPBV	99
32) BENZENE	3.404	78	798791	9.934	PPBV	100
33) CARBON TETRACHLORIDE	3.458	117	566483	10.398	PPBV	99
34) CYCLOHEXANE	3.507	84	336742	10.404	PPBV	99
35) 1,2-DICHLOROPROPANE	3.699	63	288125	10.265	PPBV	97
36) BROMODICHLOROMETHANE	3.767	83	623686	10.917	PPBV	99
37) TRICHLOROETHENE	3.788	95	361550	10.116	PPBV	97
38) 1,4-DIOXANE	3.799	88	184233	9.524	PPBV	99
39) METHYLMETHACRYLATE	3.883	69	282793	10.388	PPBV	100
40) HEPTANE	3.925	57	254081m	7.164	PPBV	
41) MIBK	4.143	58	267334	9.534	PPBV	98
42) CIS-1,3-DICHLOROPROPENE	4.117	75	448616	10.618	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214016.D Vial: 4
Acq On : 02 Aug 2023 09:48 pm Operator: CMR
Sample : 10.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:58 2023

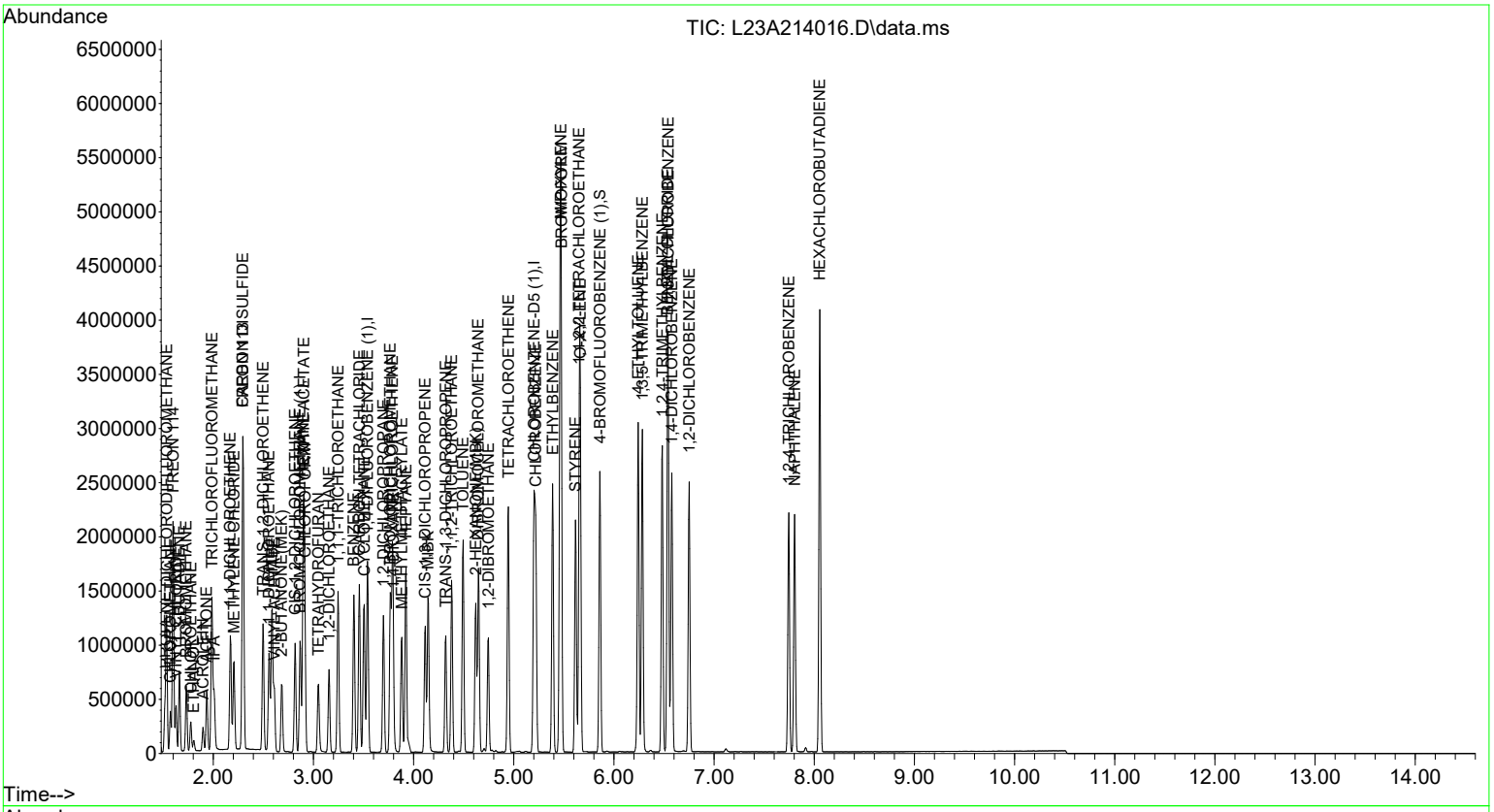
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214016.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

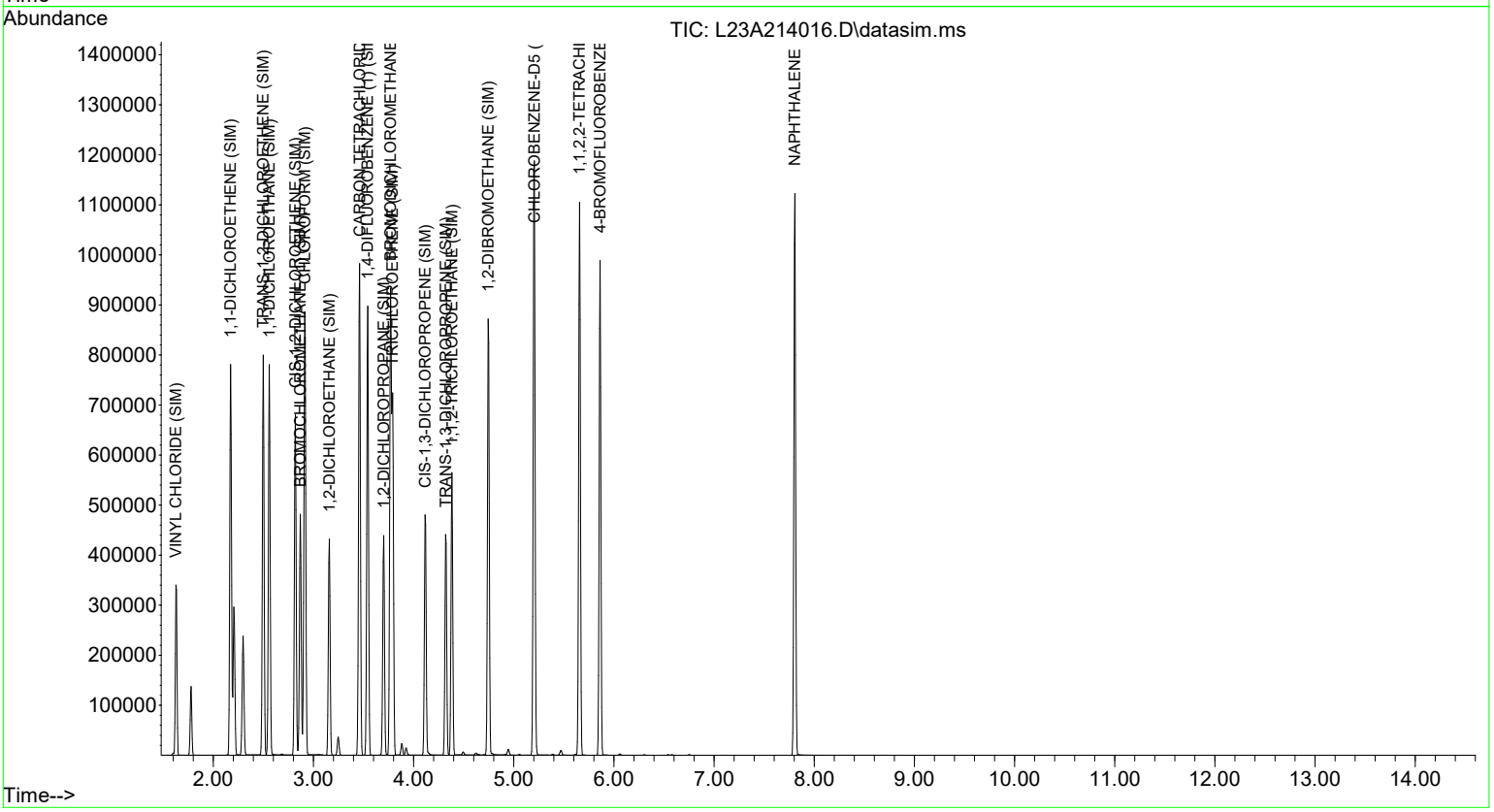
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.322	75	407396	10.945	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.380	97	331571	10.944	PPBV	99
46) TOLUENE	4.495	91	970845	10.095	PPBV	99
47) 2-HEXANONE(MBK)	4.621	43	649225	9.932	PPBV	99
48) DIBROMOCHLOROMETHANE	4.647	129	590676	10.686	PPBV	98
49) 1,2-DIBROMOETHANE	4.747	107	502526	9.626	PPBV	100
50) TETRACHLOROETHENE	4.946	166	431315	10.443	PPBV	99
51) CHLOROBENZENE	5.219	112	745065	10.523	PPBV	99
52) ETHYLBENZENE	5.388	91	1290743	10.985	PPBV	100
53) M/P-XYLENE	5.469	91	2182834	22.901	PPBV	99
54) BROMOFORM	5.475	173	530327	11.906	PPBV	99
55) STYRENE	5.616	104	756745	11.868	PPBV	98
56) O-XYLENE	5.665	91	1043758	11.425	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.654	83	748035	11.845	PPBV	97
59) 4-ETHYLTOLUENE	6.242	105	1457229	12.090	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.284	105	1218455	12.349	PPBV	100
61) 1,2,4-TRIMETHYLBENZENE	6.484	105	1203386	12.496	PPBV	99
62) 1,3-DICHLOROBENZENE	6.541	146	757022	13.816	PPBV	99
63) BENZYL CHLORIDE	6.536	91	817481	15.468	PPBV	99
64) 1,4-DICHLOROBENZENE	6.578	146	738921	14.717	PPBV	99
65) 1,2-DICHLOROBENZENE	6.751	146	716598	13.957	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.746	180	479684	24.768	PPBV	98
67) NAPHTHALENE	7.804	128	1229606	25.927	PPBv	100
68) HEXACHLOROBUTADIENE	8.056	225	523743	18.367	PPBV	100
70] VINYL CHLORIDE (SIM)	1.627	62	288634	10.754	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	483462	10.861	PPBV	99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	475074	10.839	PPBV	100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	578113	10.874	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	396546	10.664	PPBV	99
75] CHLOROFORM (SIM)	2.913	83	613637	10.815	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	397850	10.847	PPBV	99
78] CARBON TETRACHLORIDE (...	3.461	117	625233	10.803	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	301784	10.435	PPBV	100
80] BROMODICHLOROMETHANE (...	3.770	83	677475	10.968	PPBV	100
81] TRICHLOROETHENE (SIM)	3.791	95	391958	10.748	PPBV	99
82] CIS-1,3-DICHLOROPROPEN...	4.115	75	472655	10.950	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.319	75	428583	11.222	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.382	97	359910	10.660	PPBV	100
86] 1,2-DIBROMOETHANE (SIM)	4.745	107	544166	9.354	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.657	83	806085	12.162	PPBV	100
89] NAPHTHALENE (SIM)	7.807	128	1234642	24.428	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214016.D Vial: 4
Acq On : 02 Aug 2023 09:48 pm Operator: CMR
Sample : 10.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:58 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214016.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

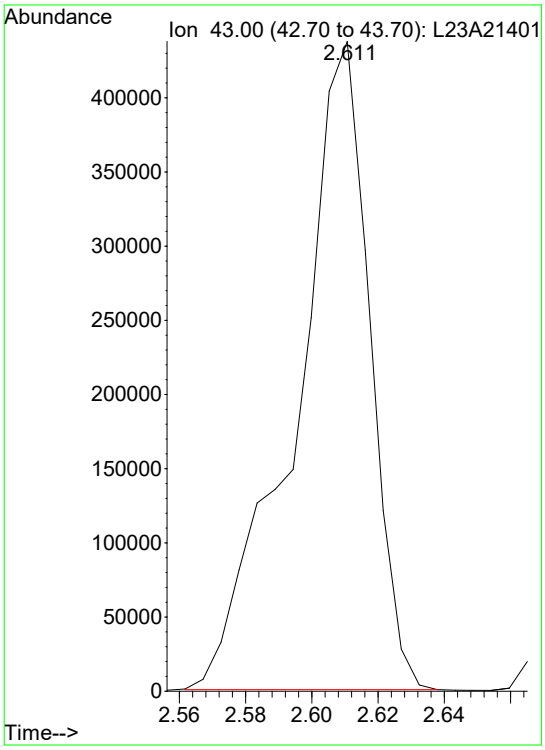




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214016.D
Acq On : 02 Aug 2023 09:48 pm
Operator : CMR
Sample : 10.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 11:35:41 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

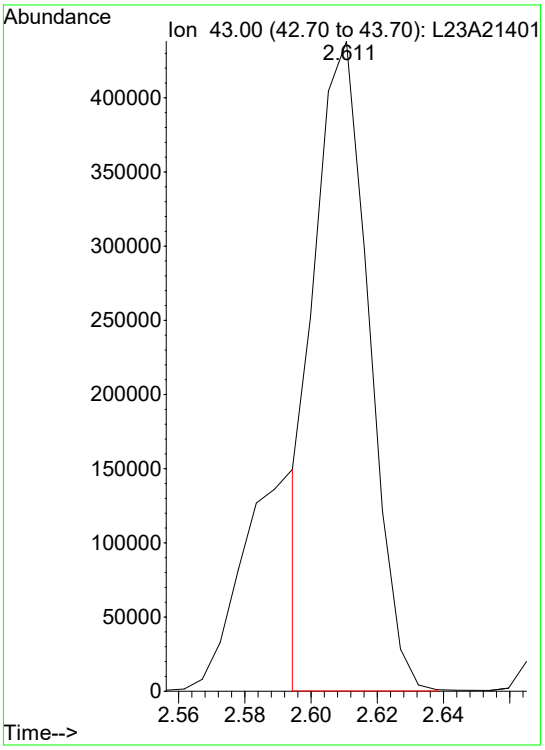
RT : 2.61
Area : 674893
Amount: 12.3857

Manual Int. Results

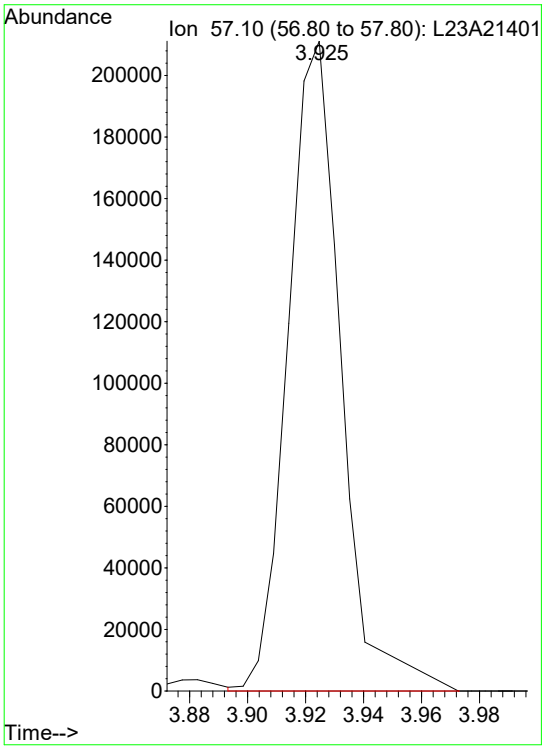
Thu Aug 03 09:43:22 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 504634
Amount: 9.26107

Manual Integration
VINYL ACETATE



Original Integration
HEPTANE



Original Int. Results

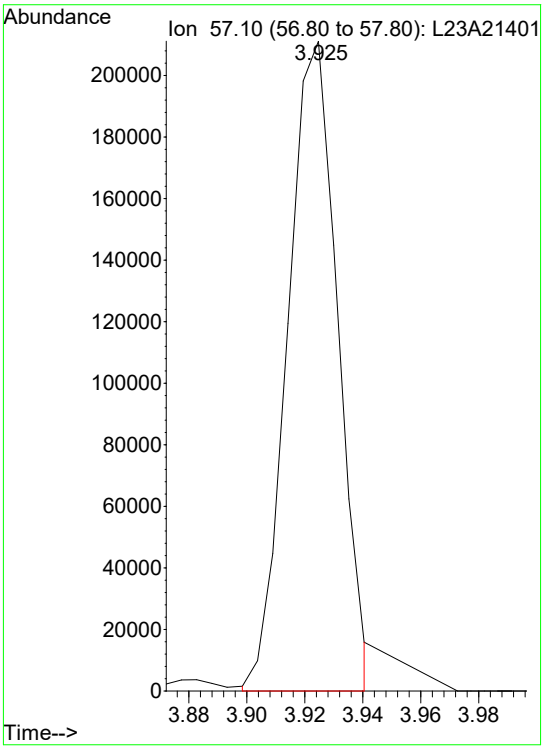
RT : 3.92
Area : 385495
Amount: 10.8693

Manual Int. Results

Thu Aug 03 11:35:41 2023

MIuser: CMR
Reason: Other
RT : 3.92
Area : 254081
Amount: 7.16399

Manual Integration
HEPTANE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214017.D Vial: 4
Acq On : 02 Aug 2023 10:17 pm Operator: CMR
Sample : 20.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:01 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214017.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.867	49	310494	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	899952	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.203	117	839064	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.870	49	337751	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	942100	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.206	117	927631	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.859	174	486185	8.596	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 107.50%			
88) 4-BROMOFLUOROBENZENE (...	5.862	174	491834	8.304	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 103.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	286089	18.928	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	1371552	21.874	PPBV	99
4) CHLOROMETHANE	1.572	50	461617	19.508	PPBV	98
5) FREON 114	1.598	85	1377233	21.833	PPBV	99
6) VINYL CHLORIDE	1.630	62	554807	21.111	PPBV	99
7) 1,3-BUTADIENE	1.661	54	418838	21.484	PPBV	99
8) BROMOMETHANE	1.729	94	474862	21.107	PPBV	98
9) CHLOROETHANE	1.777	64	285838	20.013	PPBV	100
10) ACROLEIN	1.897	56	228860	19.116	PPBV	98
11) ACETONE	1.934	43	810293	18.192	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	1400684	21.638	PPBV	100
13) ETHANOL	1.803	45	128833	15.070	PPBV	99
14) 1,1-DICHLOROETHENE	2.171	61	887938	20.777	PPBV	99
15) METHYLENE CHLORIDE	2.209	49	648156	20.926	PPBV	99
16) FREON 113	2.296	101	1113714	21.413	PPBV	98
17) CARBON DISULFIDE	2.296	76	1570549	20.851	PPBV	100
18) TRANS-1,2-DICHLOROETHENE	2.497	61	874847	21.446	PPBV	98
19) 1,1-DICHLOROETHANE	2.557	63	1065401	21.364	PPBV	99
20) MTBE	2.584	73	1581755	19.430	PPBV	98
21) IPA	2.008	45	892150	19.773	PPBV	99
22) 2-BUTANONE(MEK)	2.682	43	991553	20.321	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.818	61	723889	20.954	PPBV	96
24) VINYL ACETATE	2.606	43	1066646m	19.286	PPBV	
25) HEXANE	2.899	41	579625	20.861	PPBV	100
26) ETHYL ACETATE	2.899	45	178673	19.265	PPBV	99
27) CHLOROFORM	2.916	83	1147523	21.093	PPBV	99
28) TETRAHYDROFURAN	3.046	42	685678	18.281	PPBV	96
29) 1,2-DICHLOROETHANE	3.157	62	764144	21.473	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.246	97	1143925	21.191	PPBV	99
32) BENZENE	3.404	78	1615033	20.029	PPBV	100
33) CARBON TETRACHLORIDE	3.459	117	1173970	21.490	PPBV	100
34) CYCLOHEXANE	3.508	84	692124	21.325	PPBV	99
35) 1,2-DICHLOROPROPANE	3.699	63	590800	20.990	PPBV	98
36) BROMODICHLOROMETHANE	3.767	83	1265707	22.095	PPBV	100
37) TRICHLOROETHENE	3.788	95	735748	20.529	PPBV	98
38) 1,4-DIOXANE	3.793	88	357882	18.449	PPBV	99
39) METHYLMETHACRYLATE	3.877	69	596039	21.834	PPBV	99
40) HEPTANE	3.925	57	521046m	14.651	PPBV	
41) MIBK	4.143	58	545486	19.399	PPBV	100
42) CIS-1,3-DICHLOROPROPENE	4.117	75	927396	21.889	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214017.D Vial: 4
Acq On : 02 Aug 2023 10:17 pm Operator: CMR
Sample : 20.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:01 2023

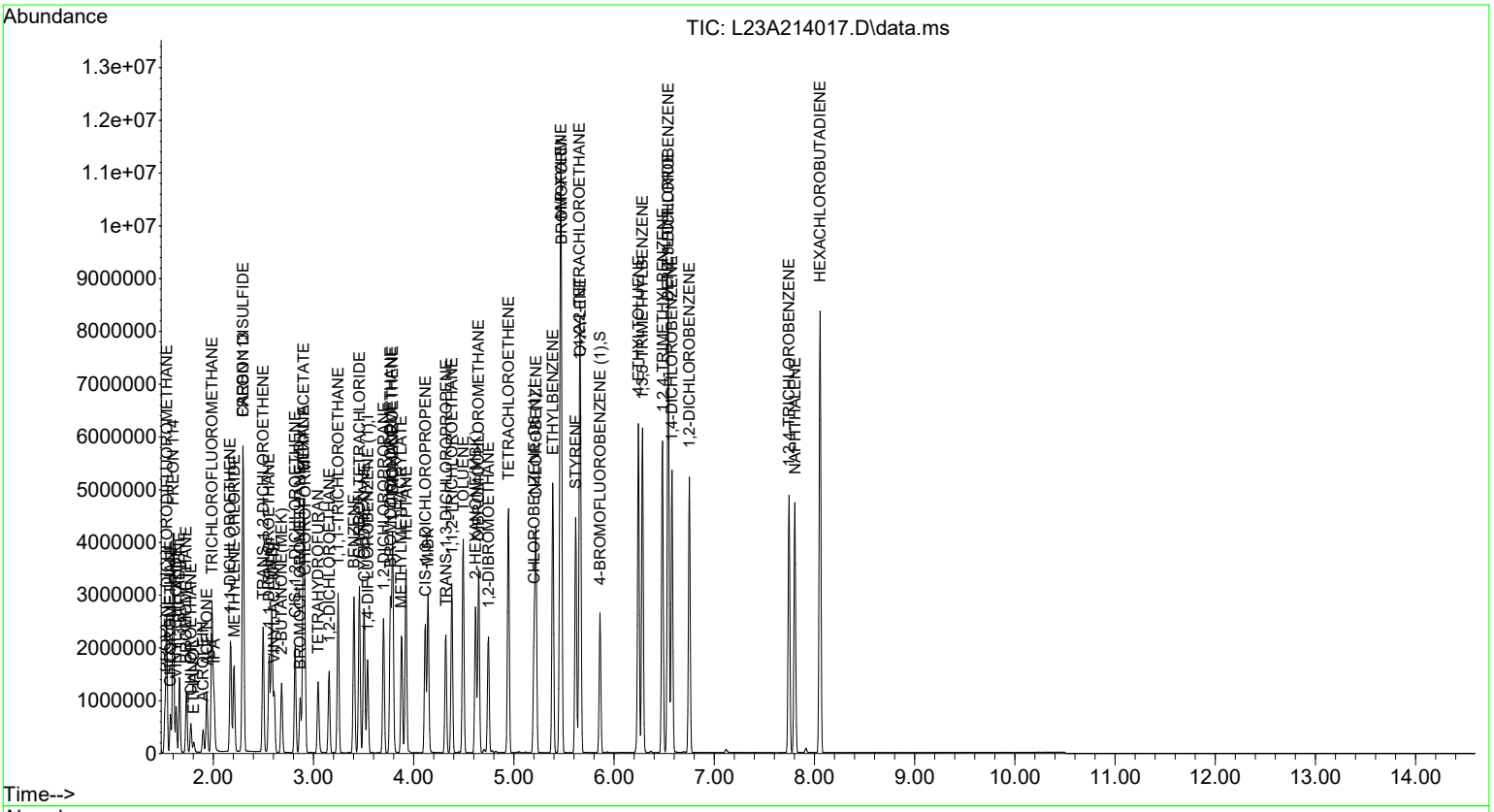
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214017.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

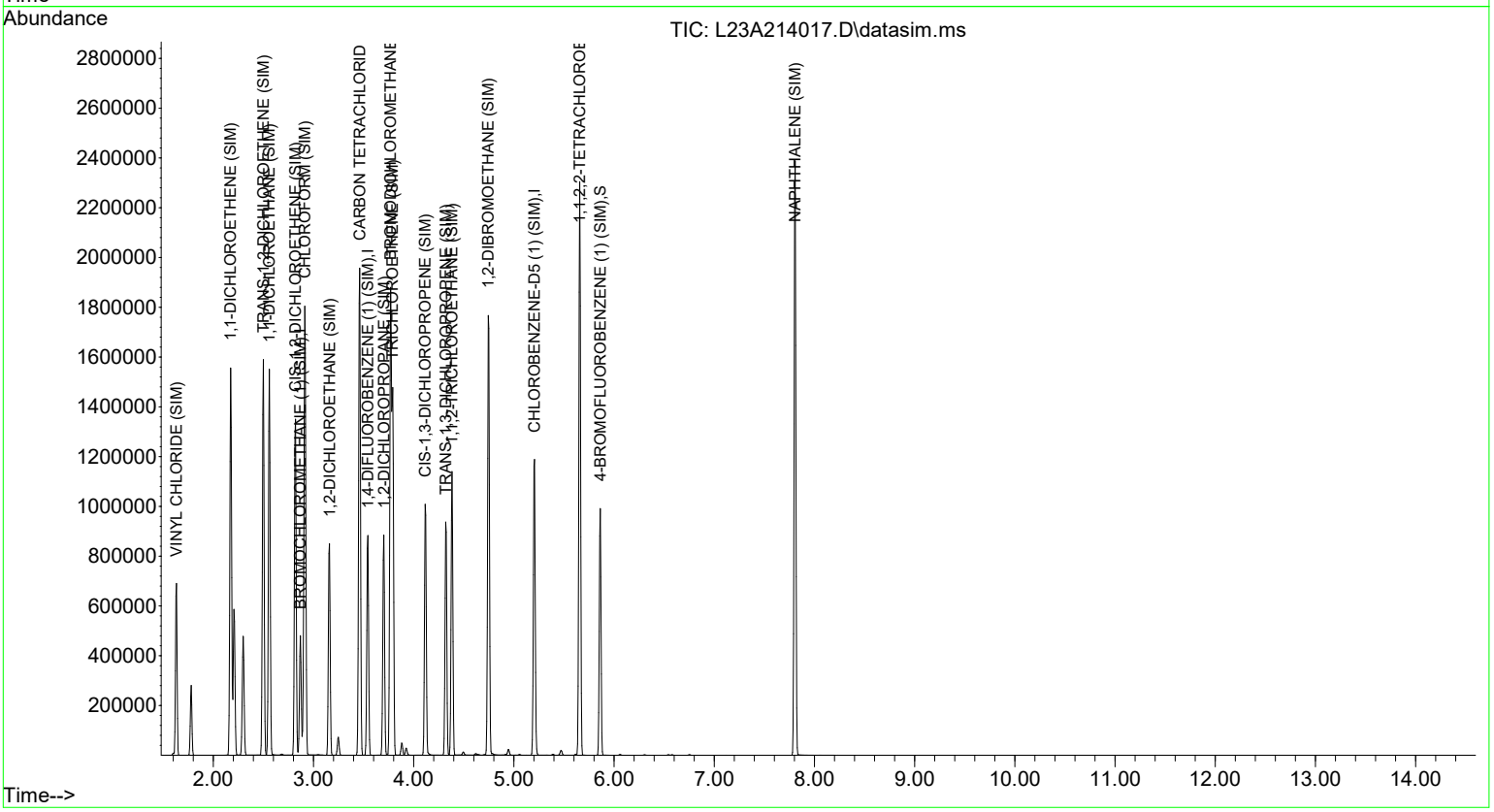
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.322	75	848275	22.727	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.380	97	674445	22.280	PPBV		99
46) TOLUENE	4.495	91	2007759	20.896	PPBV		99
47) 2-HEXANONE(MBK)	4.616	43	1322147	20.244	PPBV		100
48) DIBROMOCHLOROMETHANE	4.647	129	1215269	22.006	PPBV		98
49) 1,2-DIBROMOETHANE	4.747	107	1035411	19.852	PPBV		99
50) TETRACHLOROETHENE	4.947	166	893880	21.662	PPBV		99
51) CHLOROBENZENE	5.219	112	1513733	21.398	PPBV		99
52) ETHYLBENZENE	5.388	91	2663889	22.693	PPBV		99
53) M/P-XYLENE	5.470	91	4447782	46.705	PPBV		99
54) BROMOFORM	5.475	173	1128307	25.353	PPBV		99
55) STYRENE	5.616	104	1586022	24.896	PPBV		100
56) O-XYLENE	5.665	91	2150914m	23.565	PPBV		
57) 1,1,2,2-TETRACHLOROETHANE	5.654	83	1545308	24.492	PPBV		97
59) 4-ETHYLTOLUENE	6.242	105	2973025	24.688	PPBV		100
60) 1,3,5-TRIMETHYLBENZENE	6.284	105	2483533	25.193	PPBV		100
61) 1,2,4-TRIMETHYLBENZENE	6.484	105	2488693	25.867	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.542	146	1590966	29.063	PPBV		97
63) BENZYL CHLORIDE	6.536	91	1906171	36.099	PPBV		100
64) 1,4-DICHLOROBENZENE	6.579	146	1536858	30.638	PPBV		97
65) 1,2-DICHLOROBENZENE	6.752	146	1483152	28.913	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.747	180	1063284	54.950	PPBV		98
67) NAPHTHALENE	7.805	128	2665635	56.257	PPBv		100
68) HEXACHLOROBUTADIENE	8.057	225	1091861	38.325	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	575630	21.742	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.174	61	971487	22.124	PPBV		100
72] TRANS-1,2-DICHLOROETHE...	2.500	61	947863	21.924	PPBV		99
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	1150993	21.947	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.821	61	801068	21.838	PPBV		99
75] CHLOROFORM (SIM)	2.913	83	1237673	22.114	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	797247	22.036	PPBV		99
78] CARBON TETRACHLORIDE (...	3.462	117	1267294	21.806	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	620629	21.370	PPBV		100
80] BROMODICHLOROMETHANE (...	3.770	83	1370391	22.093	PPBV		100
81] TRICHLOROETHENE (SIM)	3.791	95	798130	21.795	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.115	75	988144	22.797	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.319	75	905375	23.607	PPBV		99
85] 1,1,2-TRICHLOROETHANE ...	4.383	97	732760	21.722	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.745	107	1119997	19.269	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.657	83	1649136	24.902	PPBV		100
89] NAPHTHALENE (SIM)	7.807	128	2630259	52.084	PPBV		99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214017.D Vial: 4
Acq On : 02 Aug 2023 10:17 pm Operator: CMR
Sample : 20.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:01 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214017.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

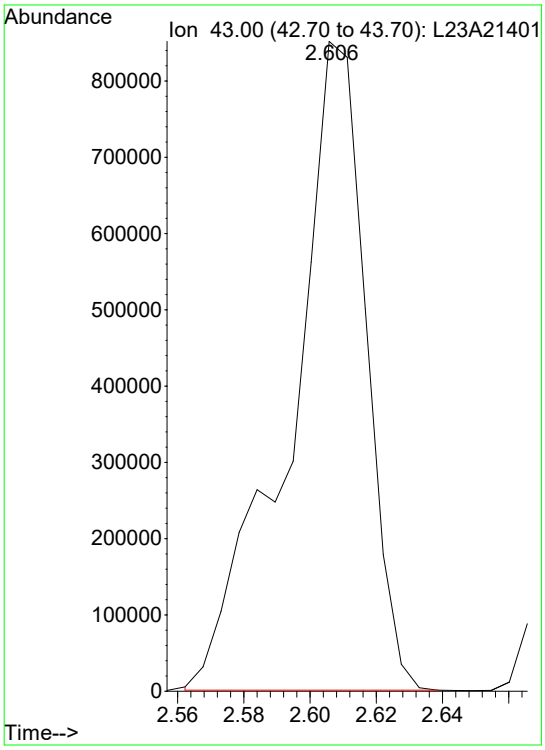




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214017.D
Acq On : 02 Aug 2023 10:17 pm
Operator : CMR
Sample : 20.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 11:36:29 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

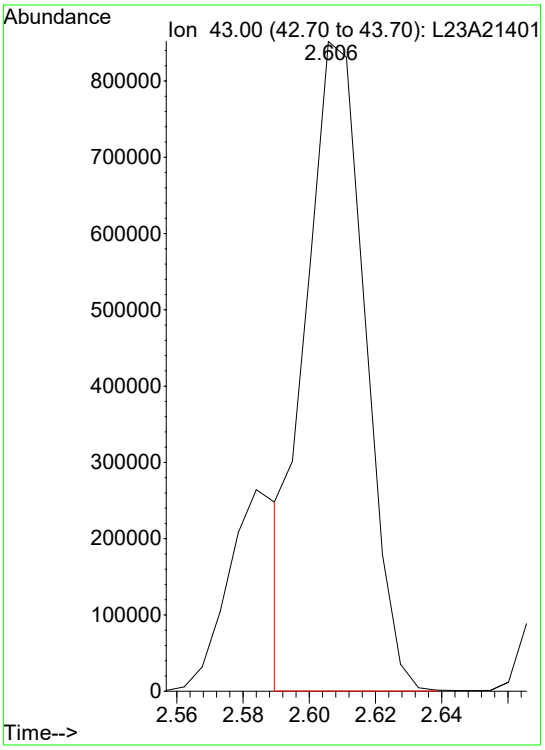
RT : 2.61
Area : 1.34097e+006
Amount: 24.246

Manual Int. Results

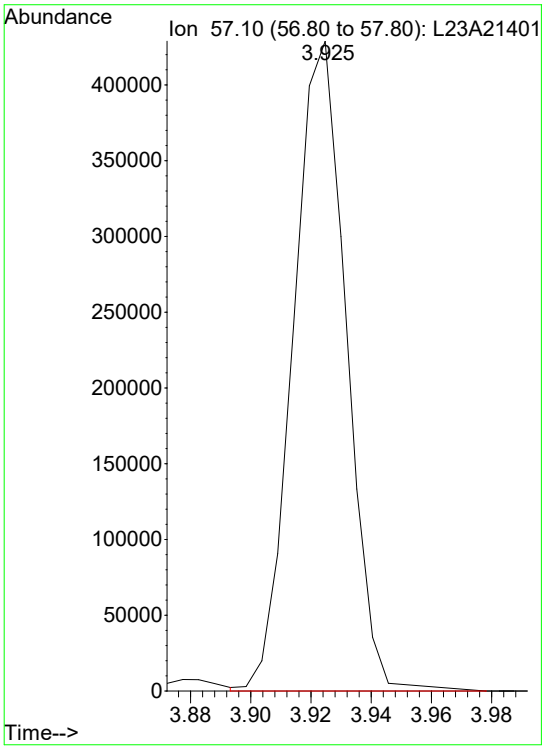
Thu Aug 03 09:45:05 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 1.06665e+006
Amount: 19.2859

Manual Integration
VINYL ACETATE



Original Integration
HEPTANE



Original Int. Results

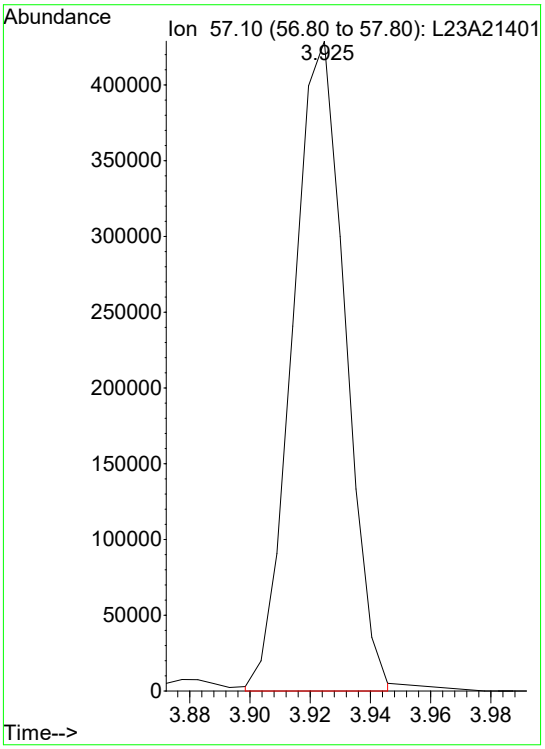
RT : 3.92
Area : 765901
Amount: 21.5357

Manual Int. Results

Thu Aug 03 11:36:29 2023

MIuser: CMR
Reason: Other
RT : 3.92
Area : 521046
Amount: 14.6508

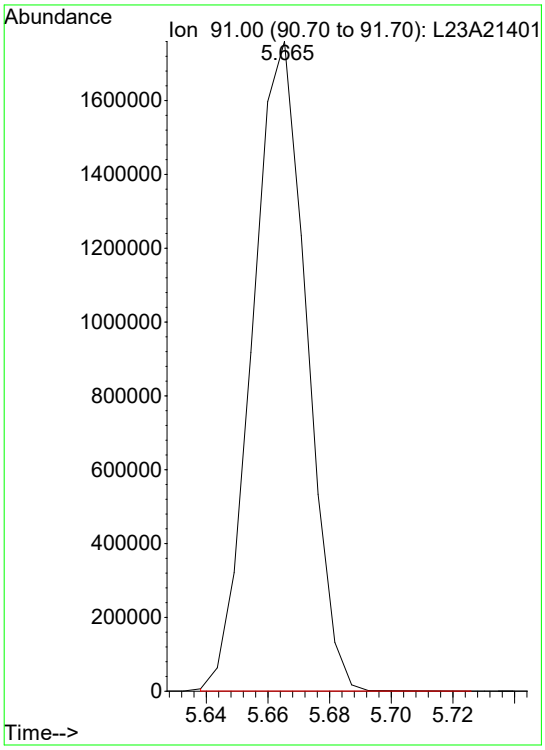
Manual Integration
HEPTANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214017.D
Acq On : 02 Aug 2023 10:17 pm
Operator : CMR
Sample : 20.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 11:36:29 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
O-XYLENE



Original Int. Results

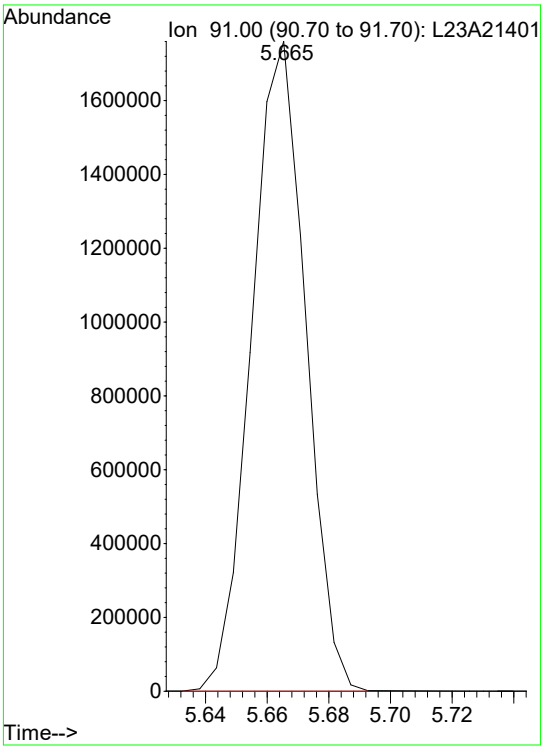
RT : 5.67
Area : 3.13629e+006
Amount: 34.3606

Manual Int. Results

Thu Aug 03 11:12:54 2023

MIuser: CMR
Reason: Other
RT : 5.67
Area : 2.15091e+006
Amount: 23.565

Manual Integration
O-XYLENE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214018.D Vial: 4
Acq On : 02 Aug 2023 10:50 pm Operator: CMR
Sample : 50.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214018.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.867	49	308173	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.541	114	918507	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.204	117	859687	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.870	49	339762	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	964224	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.207	117	957670	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.861	174	499850	8.626	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 107.88%			
88) 4-BROMOFLUOROBENZENE (...	5.864	174	518430	8.479	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 106.00%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	715624	47.703	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	3219042	51.725	PPBV	96
4) CHLOROMETHANE	1.572	50	1125368	47.916	PPBV	97
5) FREON 114	1.598	85	3324199	53.096	PPBV	97
6) VINYL CHLORIDE	1.630	62	1354979	51.946	PPBV	99
7) 1,3-BUTADIENE	1.666	54	1033174	53.395	PPBV	99
8) BROMOMETHANE	1.735	94	1193588	53.454	PPBV	99
9) CHLOROETHANE	1.777	64	721169	50.874	PPBV	100
10) ACROLEIN	1.897	56	566872	47.707	PPBV	100
11) ACETONE	1.934	43	1992707	45.075	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	3470536	54.016	PPBV	99
13) ETHANOL	1.803	45	321224	37.858	PPBV	100
14) 1,1-DICHLOROETHENE	2.176	61	2161626	50.960	PPBV	98
15) METHYLENE CHLORIDE	2.208	49	1599908	52.043	PPBV	98
16) FREON 113	2.301	101	2806605	54.367	PPBV	99
17) CARBON DISULFIDE	2.301	76	3863352	51.677	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.497	61	2163736	53.441	PPBV	97
19) 1,1-DICHLOROETHANE	2.557	63	2624240	53.019	PPBV	98
20) MTBE	2.584	73	3878849	48.007	PPBV	99
21) IPA	2.008	45	2198660	49.096	PPBV	99
22) 2-BUTANONE(MEK)	2.682	43	2523264	52.102	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.818	61	1835716	53.538	PPBV	97
24) VINYL ACETATE	2.611	43	2936272m	53.490	PPBV	
25) HEXANE	2.899	41	1458154	52.876	PPBV	99
26) ETHYL ACETATE	2.899	45	468571	50.902	PPBV	99
27) CHLOROFORM	2.916	83	2884106	53.413	PPBV	99
28) TETRAHYDROFURAN	3.046	42	1736083	46.634	PPBV	97
29) 1,2-DICHLOROETHANE	3.156	62	1932154	54.704	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.246	97	2904116	52.712	PPBV	99
32) BENZENE	3.405	78	4027751	48.942	PPBV	99
33) CARBON TETRACHLORIDE	3.459	117	2982814	53.499	PPBV	100
34) CYCLOHEXANE	3.508	84	1777789	53.668	PPBV	99
35) 1,2-DICHLOROPROPANE	3.699	63	1536105	53.473	PPBV	99
36) BROMODICHLOROMETHANE	3.767	83	3205662	54.829	PPBV	99
37) TRICHLOROETHENE	3.788	95	1903081	52.029	PPBV	98
38) 1,4-DIOXANE	3.788	88	919752	46.456	PPBV	97
39) METHYLMETHACRYLATE	3.883	69	1591081	57.107	PPBV	98
40) HEPTANE	3.925	57	1328930	36.612	PPBV	95
41) MIBK	4.144	58	1387704	48.355	PPBV	97
42) CIS-1,3-DICHLOROPROPENE	4.117	75	2457056	56.821	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214018.D Vial: 4 592
Acq On : 02 Aug 2023 10:50 pm Operator: CMR
Sample : 50.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:04 2023

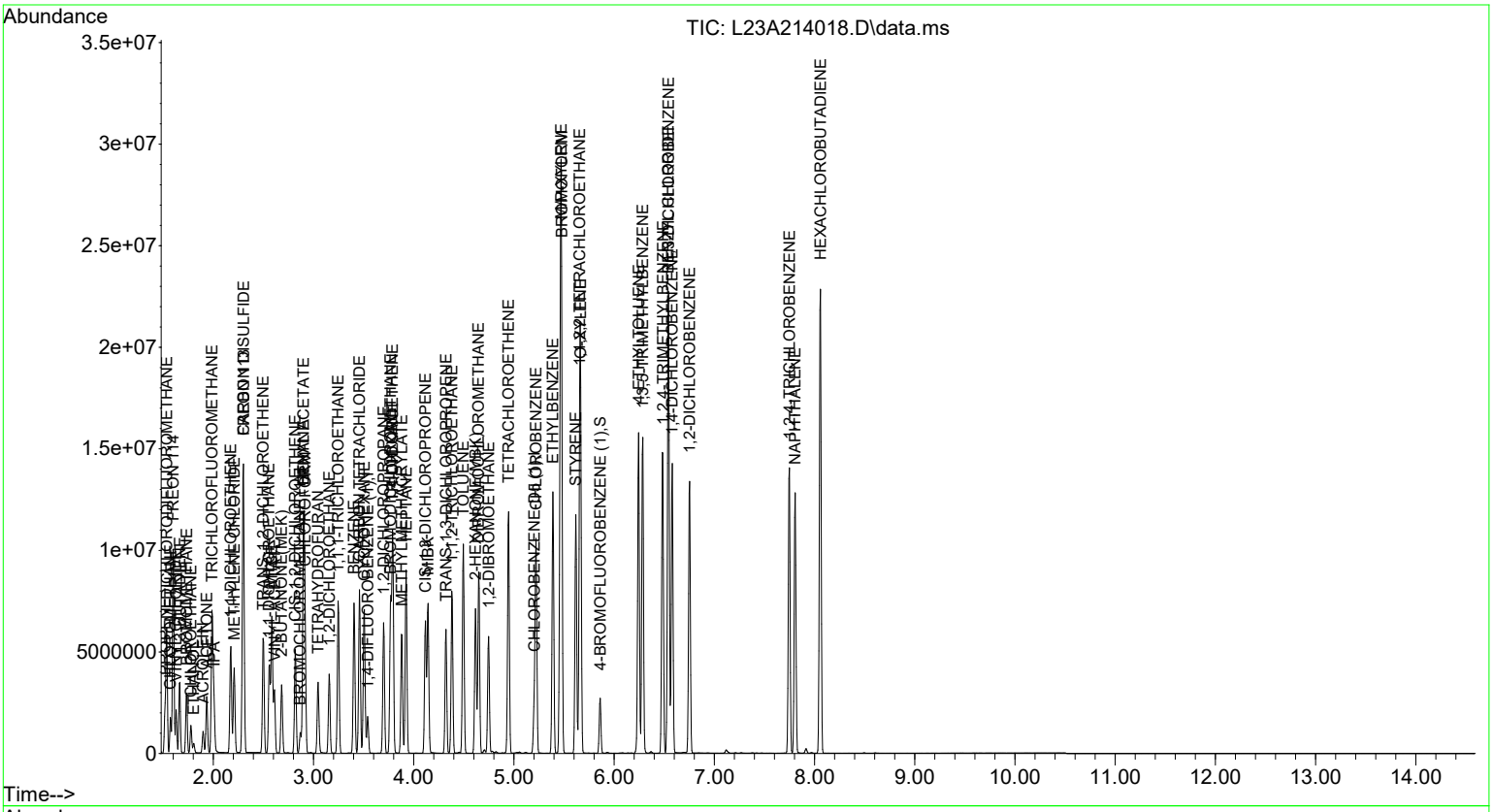
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214018.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

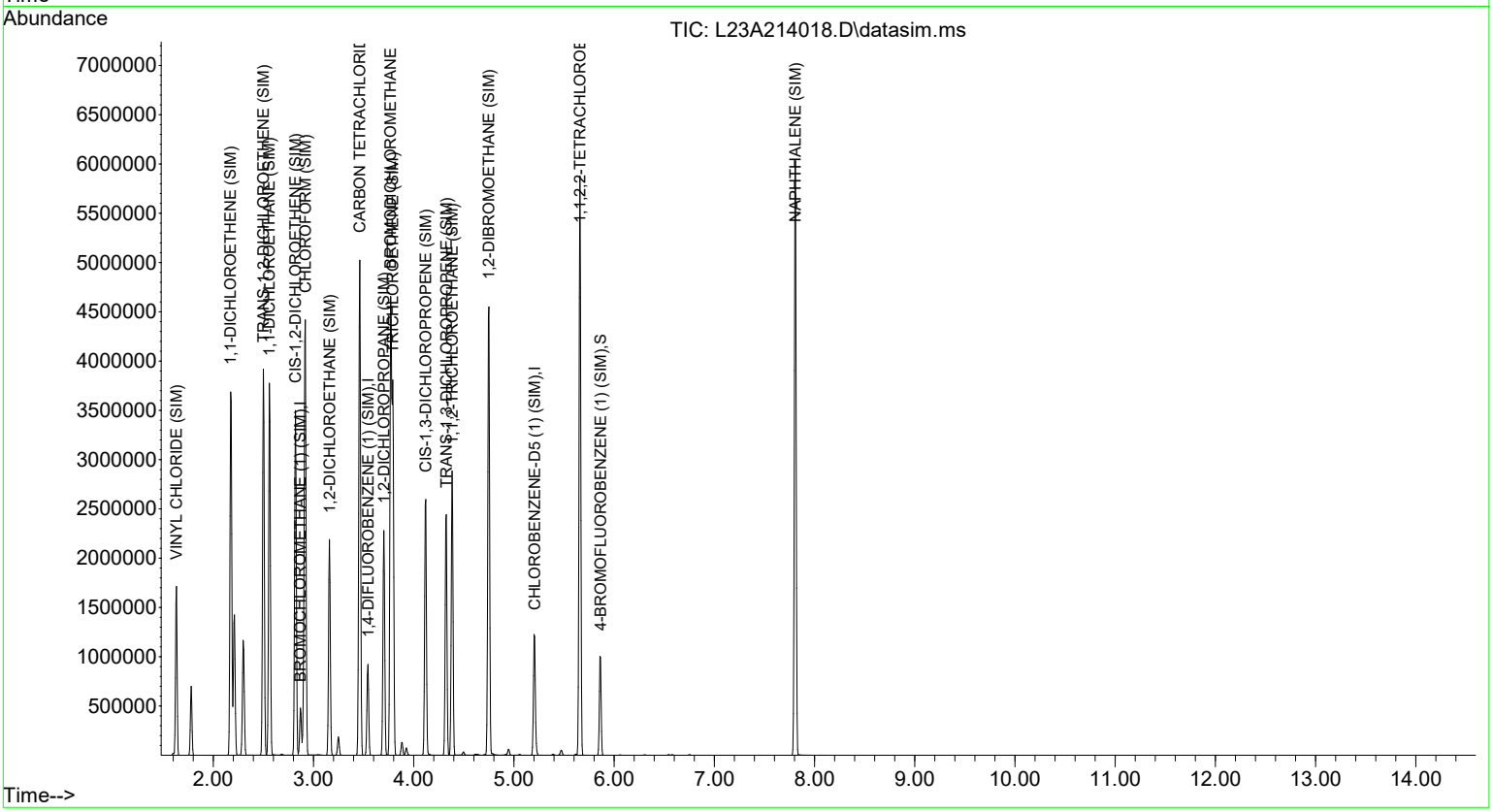
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.322	75	2299997	60.377	PPBV		100
45) 1,1,2-TRICHLOROETHANE	4.380	97	1725491	55.634	PPBV		99
46) TOLUENE	4.496	91	4976837	50.555	PPBV		98
47) 2-HEXANONE(MBK)	4.616	43	3327444	49.725	PPBV		99
48) DIBROMOCHLOROMETHANE	4.648	129	3143549	55.557	PPBV		97
49) 1,2-DIBROMOETHANE	4.748	107	2693356	50.400	PPBV		99
50) TETRACHLOROETHENE	4.947	166	2305531	54.531	PPBV		100
51) CHLOROBENZENE	5.220	112	3887142	53.630	PPBV		98
52) ETHYLBENZENE	5.389	91	6561179	54.551	PPBV		96
53) M/P-XYLENE	5.471	91	10793235	110.619	PPBV		93
54) BROMOFORM	5.476	173	3042900	66.734	PPBV		98
55) STYRENE	5.617	104	4136959	63.380	PPBV		99
56) O-XYLENE	5.667	91	5416496	57.919	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.656	83	3976089	61.506	PPBV		96
59) 4-ETHYLTOLUENE	6.244	105	7360248	59.653	PPBV		95
60) 1,3,5-TRIMETHYLBENZENE	6.286	105	6233350	61.715	PPBV		95
61) 1,2,4-TRIMETHYLBENZENE	6.486	105	6304644	63.956	PPBV	#	95
62) 1,3-DICHLOROBENZENE	6.544	146	4189076	74.687	PPBV		98
63) BENZYL CHLORIDE	6.538	91	5229368	96.658	PPBV		98
64) 1,4-DICHLOROBENZENE	6.581	146	4099894	79.772	PPBV		99
65) 1,2-DICHLOROBENZENE	6.754	146	3949596	75.148	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.749	180	3129515	157.853	PPBV		97
67) NAPHTHALENE	7.807	128	7095585	146.155	PPBv		98
68) HEXACHLOROBUTADIENE	8.059	225	3039090	104.116	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	1409119	52.909	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	2357713	53.375	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.500	61	2323959	53.435	PPBV		98
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	2823282	53.515	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.821	61	2011159	54.502	PPBV		98
75] CHLOROFORM (SIM)	2.918	83	3078029	54.671	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	2005429	55.101	PPBV		98
78] CARBON TETRACHLORIDE (...	3.462	117	3195776	53.726	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	1591931	53.558	PPBV		100
80] BROMODICHLOROMETHANE (...	3.770	83	3413971	53.775	PPBV		98
81] TRICHLOROETHENE (SIM)	3.791	95	2053293	54.783	PPBV		99
82] CIS-1,3-DICHLOROPROPEN...	4.120	75	2561800	57.746	PPBV		99
83] TRANS-1,3-DICHLOROPROP...	4.325	75	2396405	61.052	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.383	97	1865669	53.570	PPBV		100
86] 1,2-DIBROMOETHANE (SIM)	4.751	107	2909862	48.492	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.659	83	4212832	61.619	PPBV		98
89] NAPHTHALENE (SIM)	7.810	128	6919229	132.716	PPBV		97

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214018.D Vial: 4
Acq On : 02 Aug 2023 10:50 pm Operator: CMR
Sample : 50.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214018.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

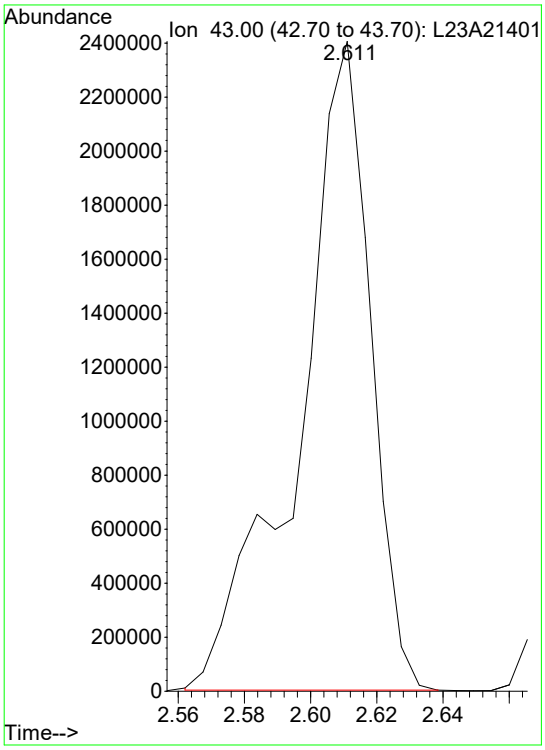




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214018.D
Acq On : 02 Aug 2023 10:50 pm
Operator : CMR
Sample : 50.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 09:48:10 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

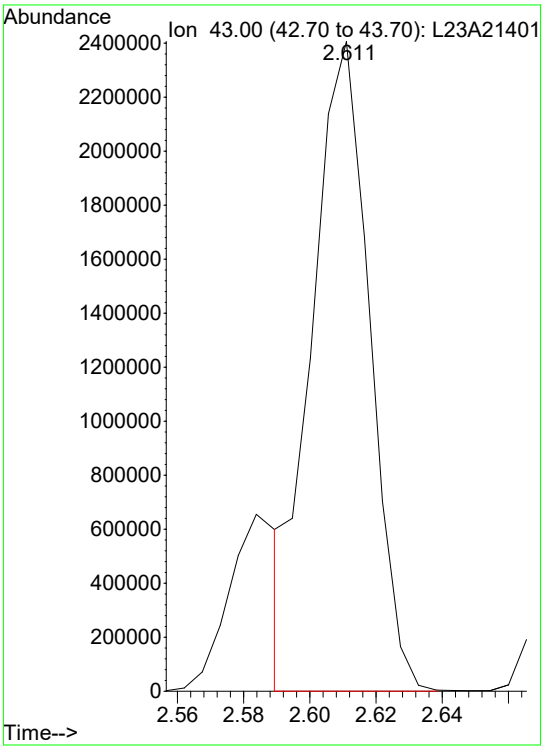
RT : 2.61
Area : 3.59593e+006
Amount: 65.5073

Manual Int. Results

Thu Aug 03 09:48:10 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 2.93627e+006
Amount: 53.4902

Manual Integration
VINYL ACETATE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE (1)	8.000	8.000	0.0	0	0.00
2		PROPENE	5.000	4.395	12.1	0	0.00
3		DICHLORODIFLUOROMETHANE	5.000	4.956	0.9	0	0.00
4		CHLOROMETHANE	5.000	4.722	5.6	0	0.00
5		FREON 114	5.000	4.639	7.2	0	0.00
6		VINYL CHLORIDE	5.000	4.950	1.0	0	0.00
7		1,3-BUTADIENE	5.000	4.754	4.9	0	0.00
8		BROMOMETHANE	5.000	4.833	3.3	0	0.00
9		CHLOROETHANE	5.000	4.518	9.6	0	0.00
10		ACROLEIN	5.000	4.408	11.8	0	0.00
11		ACETONE	5.000	4.790	4.2	0	0.00
12		TRICHLOROFLUOROMETHANE	5.000	4.916	1.7	0	0.00
13		ETHANOL	5.000	5.740	-14.8	0	0.00
14		1,1-DICHLOROETHENE	5.000	5.104	-2.1	0	0.00
15		METHYLENE CHLORIDE	5.000	4.710	5.8	0	0.00
16		FREON 113	5.000	4.955	0.9	0	0.00
17		CARBON DISULFIDE	5.000	5.012	-0.2	0	0.00
18		TRANS-1,2-DICHLOROETHENE	5.000	5.110	-2.2	0	0.00
19		1,1-DICHLOROETHANE	5.000	4.954	0.9	0	0.00
20		MTBE	5.000	4.951	1.0	0	0.00
21		IPA	5.000	4.384	12.3	0	0.00
22		2-BUTANONE(MEK)	5.000	4.746	5.1	0	0.00
23		CIS-1,2-DICHLOROETHENE	5.000	4.941	1.2	0	0.00
24		VINYL ACETATE	5.000	5.119	-2.4	0	0.00
25		HEXANE	5.000	4.925	1.5	0	0.00
26		ETHYL ACETATE	5.000	4.250	15.0	0	0.00
27		CHLOROFORM	5.000	5.051	-1.0	0	0.00
28		TETRAHYDROFURAN	5.000	5.180	-3.6	0	0.00
29		1,2-DICHLOROETHANE	5.000	4.957	0.9	0	0.00
30	I	1,4-DIFLUOROBENZENE (1)	8.000	8.000	0.0	0	0.00
31		1,1,1-TRICHLOROETHANE	5.000	4.713	5.7	0	0.00
32		BENZENE	5.000	4.801	4.0	0	0.00
33		CARBON TETRACHLORIDE	5.000	4.826	3.5	0	0.00
34		CYCLOHEXANE	5.000	4.765	4.7	0	0.00
35		1,2-DICHLOROPROPANE	5.000	4.911	1.8	0	0.00
36		BROMODICHLOROMETHANE	5.000	4.817	3.7	0	0.00
37		TRICHLOROETHENE	5.000	4.647	7.1	0	0.00
38		1,4-DIOXANE	5.000	4.627	7.5	0	0.00
39		METHYLMETHACRYLATE	5.000	4.692	6.2	0	0.00
40		HEPTANE	5.000	4.928	1.4	0	0.00
41		MIBK	5.000	4.899	2.0	0	0.00
42		CIS-1,3-DICHLOROPROPENE	5.000	4.709	5.8	0	0.00
43		TRANS-1,3-DICHLOROPROPENE	5.000	5.054	-1.1	0	0.00
44	I	CHLOROBENZENE-D5 (1)	8.000	8.000	0.0	0	0.00
45		1,1,2-TRICHLOROETHANE	5.000	4.893	2.1	0	0.00
46		TOLUENE	5.000	4.796	4.1	0	0.00
47		2-HEXANONE(MBK)	5.000	4.836	3.3	0	0.00
48		DIBROMOCHLOROMETHANE	5.000	4.938	1.2	0	0.00
49		1,2-DIBROMOETHANE	5.000	4.462	10.8	0	0.00

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
50		TETRACHLOROETHENE	5.000	4.764	4.7	0	0.00
51		CHLOROBENZENE	5.000	4.631	7.4	0	0.00
52		ETHYLBENZENE	5.000	4.880	2.4	0	0.00
53		M/P-XYLENE	10.000	9.925	0.7	0	0.00
54		BROMOFORM	5.000	4.738	5.2	0	0.00
55		STYRENE	5.000	4.888	2.2	0	0.00
56		O-XYLENE	5.000	4.777	4.5	0	0.00
57		1,1,2,2-TETRACHLOROETHANE	5.000	4.623	7.5	0	0.00
58	S	4-BROMOFLUOROBENZENE (1)	8.000	8.141	-1.8	0	0.00
59		4-ETHYLTOLUENE	5.000	5.019	-0.4	0	0.00
60		1,3,5-TRIMETHYLBENZENE	5.000	4.913	1.7	0	0.00
61		1,2,4-TRIMETHYLBENZENE	5.000	4.847	3.1	0	0.00
62		1,3-DICHLOROBENZENE	5.000	5.042	-0.8	0	0.00
63		BENZYL CHLORIDE	5.000	4.875	2.5	0	0.00
64		1,4-DICHLOROBENZENE	5.000	5.261	-5.2	0	0.00
65		1,2-DICHLOROBENZENE	5.000	4.657	6.9	0	0.00
66		1,2,4-TRICHLOROBENZENE	3.900	3.966	-1.7	0	0.00
67		NAPHTHALENE	3.680	3.772	-2.5	0	0.00
68		HEXACHLOROBUTADIENE	4.250	4.012	5.6	0	0.00
69	I	BROMOCHLOROMETHANE (1) (SIM	8.000	8.000	0.0	0	0.00
70		VINYL CHLORIDE (SIM)	5.000	4.896	2.1	0	0.00
71		1,1-DICHLOROETHENE (SIM)	5.000	4.970	0.6	0	0.00
72		TRANS-1,2-DICHLOROETHENE (S	5.000	5.000	0.0	0	0.00
73		1,1-DICHLOROETHANE (SIM)	5.000	4.912	1.8	0	0.00
74		CIS-1,2-DICHLOROETHENE (SIM	5.000	4.918	1.6	0	0.00
75		CHLOROFORM (SIM)	5.000	5.000	0.0	0	0.00
76		1,2-DICHLOROETHANE (SIM)	5.000	4.882	2.4	0	0.00
77	I	1,4-DIFLUOROBENZENE (1) (SI	8.000	8.000	0.0	0	0.00
78		CARBON TETRACHLORIDE (SIM)	5.000	4.859	2.8	0	0.00
79		1,2-DICHLOROPROPANE (SIM)	5.000	4.951	1.0	0	0.00
80		BROMODICHLOROMETHANE (SIM)	5.000	4.750	5.0	0	0.00
81		TRICHLOROETHENE (SIM)	5.000	4.785	4.3	0	0.00
82		CIS-1,3-DICHLOROPROPENE (SI	5.000	4.750	5.0	0	0.00
83		TRANS-1,3-DICHLOROPROPENE (	5.000	4.730	5.4	0	0.00
84	I	CHLOROBENZENE-D5 (1) (SIM)	8.000	8.000	0.0	0	0.00
85		1,1,2-TRICHLOROETHANE (SIM)	5.000	4.878	2.4	0	0.00
86		1,1,2,2-TETRACHLOROETHANE (	5.000	4.581	8.4	0	0.00
87	S	4-BROMOFLUOROBENZENE (1) (S	8.000	8.185	-2.3	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.867	49	300782	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	878479	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.202	117	823159	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.870	49	336778	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	921817	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.205	117	904634	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.858	174	461279	8.141	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.75%			
87) 4-BROMOFLUOROBENZENE (...	5.861	174	474006	8.185	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 102.25%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	67339	4.395	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	329483	4.956	PPBV	99
4) CHLOROMETHANE	1.572	50	108328	4.722	PPBV	98
5) FREON 114	1.598	85	311269	4.639	PPBV	96
6) VINYL CHLORIDE	1.630	62	132242	4.950	PPBV	100
7) 1,3-BUTADIENE	1.661	54	98515	4.754	PPBV	99
8) BROMOMETHANE	1.729	94	114642	4.833	PPBV	99
9) CHLOROETHANE	1.777	64	69938	4.518	PPBV	100
10) ACROLEIN	1.897	56	52613	4.408	PPBV	99
11) ACETONE	1.939	43	202093	4.790	PPBV	100
12) TRICHLOROFLUOROMETHANE	1.987	101	335813	4.916	PPBV	100
13) ETHANOL	1.808	45	37387	5.740	PPBV	100
14) 1,1-DICHLOROETHENE	2.171	61	216290	5.104	PPBV	99
15) METHYLENE CHLORIDE	2.209	49	154344	4.710	PPBV	99
16) FREON 113	2.296	101	267618	4.955	PPBV	99
17) CARBON DISULFIDE	2.296	76	388893	5.012	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.497	61	216756	5.110	PPBV	97
19) 1,1-DICHLOROETHANE	2.557	63	259428	4.954	PPBV	98
20) MTBE	2.589	73	396623	4.951	PPBV	99
21) IPA	2.013	45	194614	4.384	PPBV	99
22) 2-BUTANONE(MEK)	2.687	43	246543	4.746	PPBV	97
23) CIS-1,2-DICHLOROETHENE	2.818	61	168865	4.941	PPBV	96
24) VINYL ACETATE	2.611	43	281677m	5.119	PPBV	
25) HEXANE	2.899	41	137803	4.925	PPBV	99
26) ETHYL ACETATE	2.905	45	38191	4.250	PPBV	97
27) CHLOROFORM	2.916	83	273320	5.051	PPBV	100
28) TETRAHYDROFURAN	3.051	42	177465	5.180	PPBV	97
29) 1,2-DICHLOROETHANE	3.157	62	182155	4.957	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.246	97	262715	4.713	PPBV	97
32) BENZENE	3.404	78	382406	4.801	PPBV	100
33) CARBON TETRACHLORIDE	3.459	117	270816	4.826	PPBV	100
34) CYCLOHEXANE	3.507	84	158570	4.765	PPBV	97
35) 1,2-DICHLOROPROPANE	3.699	63	140307	4.911	PPBV	99
36) BROMODICHLOROMETHANE	3.767	83	294492	4.817	PPBV	99
37) TRICHLOROETHENE	3.788	95	171277	4.647	PPBV	97
38) 1,4-DIOXANE	3.804	88	88555	4.627	PPBV	99
39) METHYLMETHACRYLATE	3.882	69	130314	4.692	PPBV	98
40) HEPTANE	3.924	57	123752m	4.928	PPBV	
41) MIBK	4.148	58	129876	4.899	PPBV	96
42) CIS-1,3-DICHLOROPROPENE	4.117	75	204870	4.709	PPBV	97

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

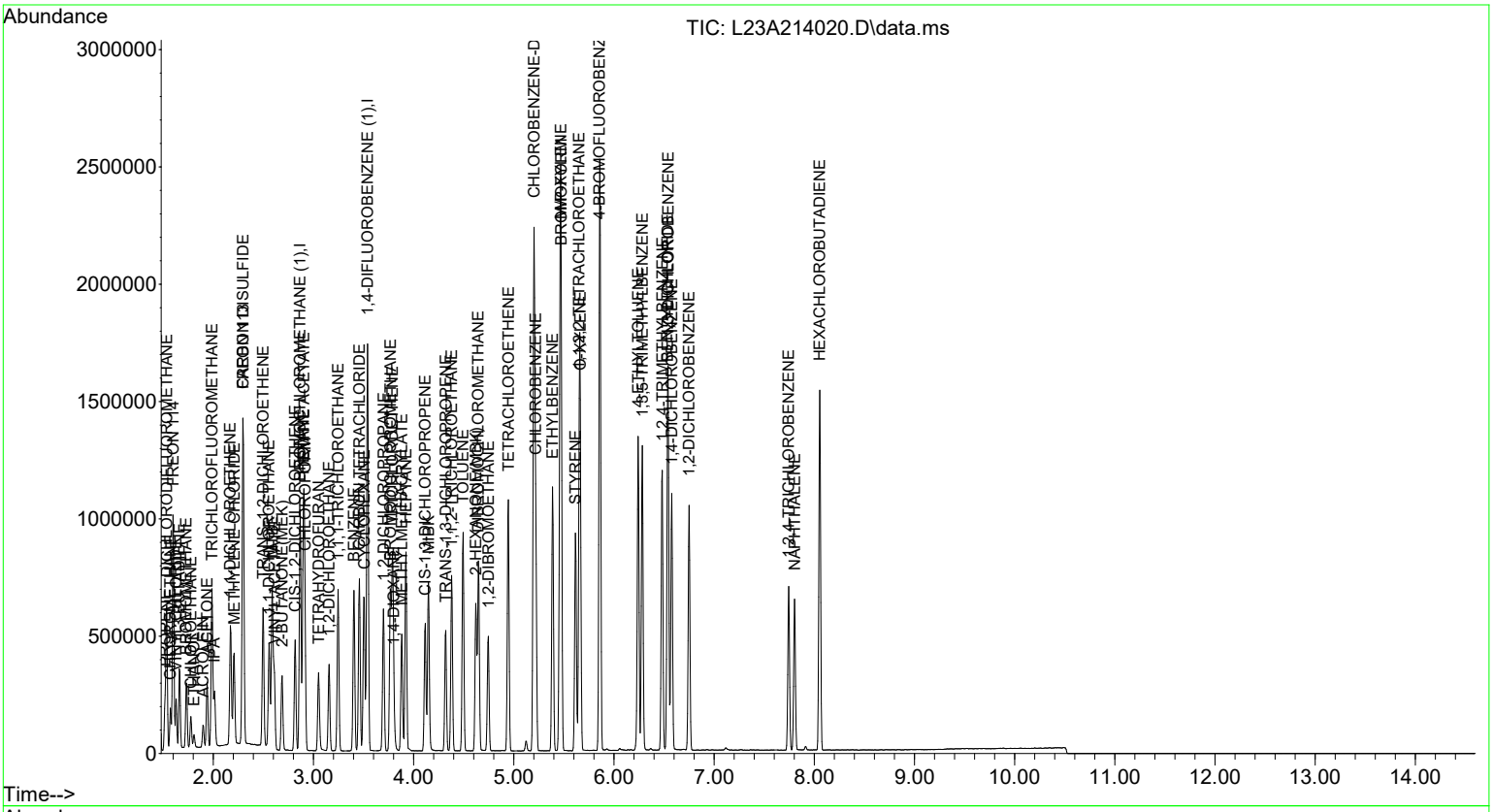
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

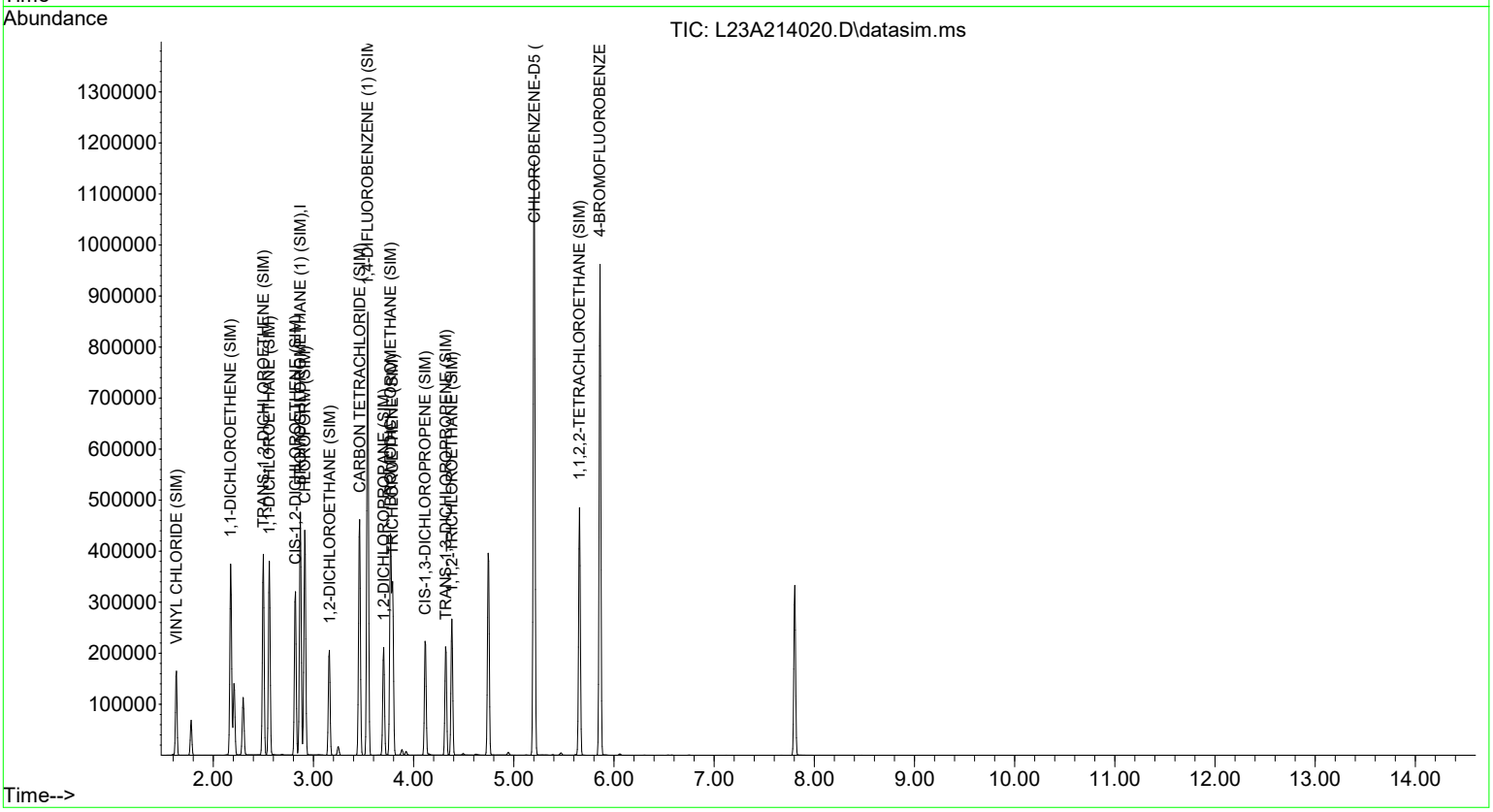
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	195511	5.054	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.379	97	155888	4.893	PPBV	100
46) TOLUENE	4.495	91	463173	4.796	PPBV	99
47) 2-HEXANONE(MBK)	4.620	43	298262	4.836	PPBV	99
48) DIBROMOCHLOROMETHANE	4.647	129	286760	4.938	PPBV	100
49) 1,2-DIBROMOETHANE	4.746	107	233067	4.462	PPBV	99
50) TETRACHLOROETHENE	4.946	166	204640	4.764	PPBV	99
51) CHLOROBENZENE	5.218	112	344001	4.631	PPBV	98
52) ETHYLBENZENE	5.387	91	590921	4.880	PPBV	100
53) M/P-XYLENE	5.468	91	991752	9.925	PPBV	99
54) BROMOFORM	5.474	173	240137	4.738	PPBV	99
55) STYRENE	5.615	104	335987	4.888	PPBV	99
56) O-XYLENE	5.664	91	469419	4.777	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.653	83	325293	4.623	PPBV	98
59) 4-ETHYLTOLUENE	6.241	105	644030	5.019	PPBV	98
60) 1,3,5-TRIMETHYLBENZENE	6.283	105	533511	4.913	PPBV	98
61) 1,2,4-TRIMETHYLBENZENE	6.482	105	509347	4.847	PPBV #	99
62) 1,3-DICHLOROBENZENE	6.540	146	325117	5.042	PPBV	99
63) BENZYL CHLORIDE	6.535	91	327004	4.875	PPBV	99
64) 1,4-DICHLOROBENZENE	6.577	146	314048	5.261	PPBV	95
65) 1,2-DICHLOROBENZENE	6.750	146	298773	4.657	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.745	180	150716	3.966	PPBV	97
67) NAPHTHALENE	7.803	128	370490	3.772	PPBv	100
68) HEXACHLOROBUTADIENE	8.054	225	196319	4.012	PPBV	99
70] VINYL CHLORIDE (SIM)	1.633	62	138011	4.896	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.174	61	234736	4.970	PPBV	100
72] TRANS-1,2-DICHLOROETHE...	2.500	61	234496	5.000	PPBV	99
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	282219	4.912	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.821	61	189676	4.918	PPBV	99
75] CHLOROFORM (SIM)	2.913	83	297245	5.000	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	192050	4.882	PPBV	100
78] CARBON TETRACHLORIDE (...	3.461	117	298531	4.859	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	147840	4.951	PPBV	100
80] BROMODICHLOROMETHANE (...	3.770	83	314304	4.750	PPBV	100
81] TRICHLOROETHENE (SIM)	3.791	95	185487	4.785	PPBV	99
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	219454	4.750	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.319	75	205032	4.730	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.382	97	171981	4.878	PPBV	99
86] 1,1,2,2-TETRACHLOROETH...	5.656	83	351845	4.581	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

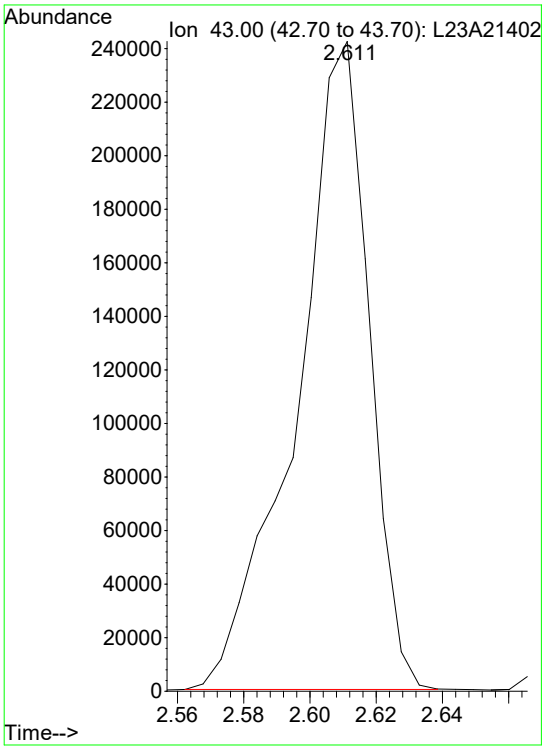




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214020.D
Acq On : 02 Aug 2023 11:42 pm
Operator : CMR
Sample : 5.0PPBV ICV
Misc : CTWS-4085-1300 08/12

Quant Time : Thu Aug 03 11:38:39 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Thu Aug 03 11:36:52 2023

Original Integration
VINYL ACETATE



Original Int. Results

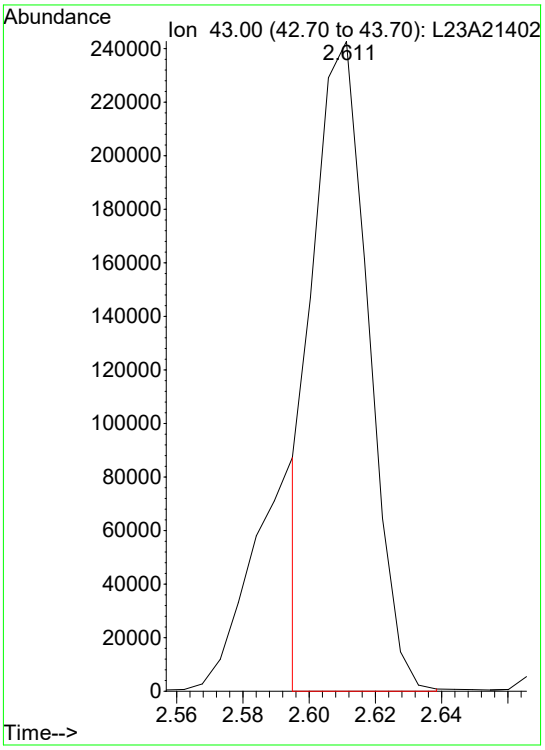
RT : 2.61
Area : 364886
Amount: 6.63118

Manual Int. Results

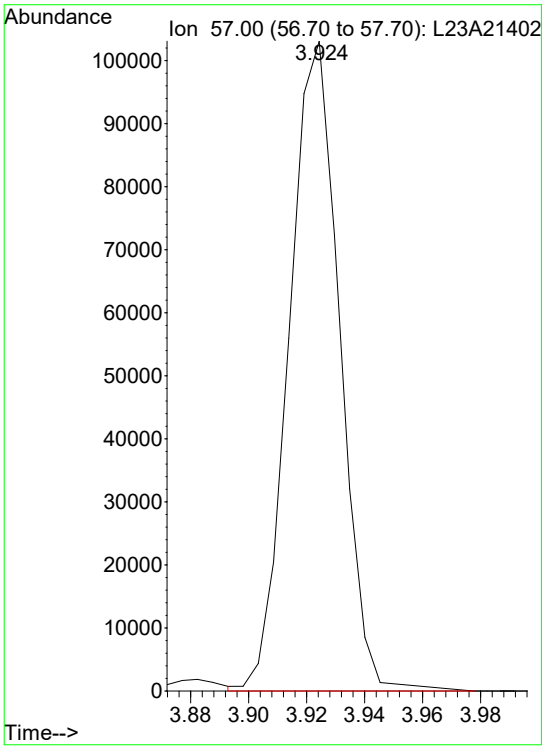
Thu Aug 03 11:38:28 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 281677
Amount: 5.119

Manual Integration
VINYL ACETATE



Original Integration
HEPTANE



Original Int. Results

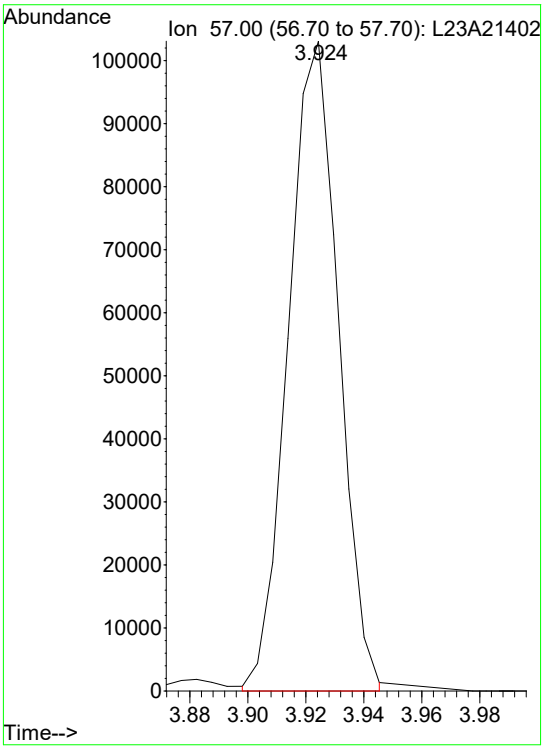
RT : 3.92
Area : 181959
Amount: 7.24595

Manual Int. Results

Thu Aug 03 11:38:39 2023

MIuser: CMR
Reason: Split Peak
RT : 3.92
Area : 123752
Amount: 4.92803

Manual Integration
HEPTANE



7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101689	Injection Date:	03/13/24
Lab Sample ID:	S101689-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromodichloromethane (SIM)	A	5.00	4.93	0.5743019	0.5663239		-1.4	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Carbon Tetrachloride (SIM)	A	5.00	4.52	0.5332034	0.4817557		-9.6	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.4446898	0.4076254		-8.3	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloroform (SIM)	A	5.00	5.58	1.412267	1.576388		11.6	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,1-Dichloroethane (SIM)	A	5.00	4.93	1.364703	1.346121		-1.4	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,2-Dichloroethane (SIM)	A	5.00	4.74	0.9344152	0.8853347		-5.3	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
1,1-Dichloroethylene (SIM)	A	5.00	5.10	1.12193	1.145583		2.1	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101689	Injection Date:	03/13/24
Lab Sample ID:	S101689-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
cis-1,2-Dichloroethylene (SIM)	A	5.00	5.29	0.9161508	0.9694027		5.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
trans-1,2-Dichloroethylene (SIM)	A	5.00	4.75	1.114117	1.058348		-5.0	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
1,2-Dichloropropane (SIM)	A	5.00	5.48	0.2591701	0.2839643		9.6	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
cis-1,3-Dichloropropene (SIM)	A	5.00	5.68	0.4009411	0.4550465		13.5	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30
trans-1,3-Dichloropropene (SIM)	A	5.00	4.52	0.3762266	0.3400083		-9.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101689	Injection Date:	03/13/24
Lab Sample ID:	S101689-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,2,2-Tetrachloroethane (SIM)	A	5.00	6.12	0.6792109	0.8308713		22.3	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
1,1,2-Trichloroethane (SIM)	A	5.00	5.84	0.311765	0.3641917		16.8	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichloroethylene (SIM)	A	5.00	5.07	0.3364263	0.3410011		1.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
Vinyl Chloride (SIM)	A	5.00	5.72	0.6696573	0.766035		14.4	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	206731	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	642665	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	571989	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227340	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	684948	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	631395	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	302248	7.677	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 96.00%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	321594	7.956	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	55644	5.284	PPBV	94
3) DICHLORODIFLUOROMETHANE	1.534	85	241072	5.276	PPBV	97
4) CHLOROMETHANE	1.575	50	80157	5.084	PPBV	99
5) FREON 114	1.601	85	254462	5.518	PPBV	97
6) VINYL CHLORIDE	1.632	62	104238	5.677	PPBV	98
7) 1,3-BUTADIENE	1.662	54	73935	5.191	PPBV	94
8) BROMOMETHANE	1.734	94	90138	5.529	PPBV	99
9) CHLOROETHANE	1.780	64	52668	4.950	PPBV	100
10) ACROLEIN	1.903	56	42641	5.198	PPBV	98
11) ACETONE	1.938	43	113744	3.922	PPBV	81
12) TRICHLOROFLUOROMETHANE	1.990	101	231874	4.939	PPBV	100
13) ETHANOL	1.811	45	20494	4.578	PPBV	99
14) 1,1-DICHLOROETHENE	2.175	61	149795	5.143	PPBV	92
15) METHYLENE CHLORIDE	2.207	49	100776	4.474	PPBV	81
16) FREON 113	2.297	101	202095	5.444	PPBV	94
17) CARBON DISULFIDE	2.302	76	294767	5.527	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	137865	4.729	PPBV	91
19) 1,1-DICHLOROETHANE	2.557	63	173442	4.819	PPBV	97
20) MTBE	2.588	73	255575	4.641	PPBV	95
21) IPA	2.015	45	143947	4.718	PPBV	95
22) 2-BUTANONE(MEK)	2.689	43	159051	4.455	PPBV	88
23) CIS-1,2-DICHLOROETHENE	2.816	61	126660	5.392	PPBV	88
24) VINYL ACETATE	2.610	43	207928m	5.498	PPBV	
25) HEXANE	2.896	41	78453	4.079	PPBV	80
26) ETHYL ACETATE	2.906	45	26475	4.286	PPBV	86
27) CHLOROFORM	2.912	83	209229	5.625	PPBV	99
28) TETRAHYDROFURAN	3.055	42	94847	4.028	PPBV	91
29) 1,2-DICHLOROETHANE	3.153	62	115964	4.592	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	191103	4.687	PPBV	96
32) BENZENE	3.400	78	308677	5.297	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	188745	4.598	PPBV	100
34) CYCLOHEXANE	3.501	84	120631	4.955	PPBV	86
35) 1,2-DICHLOROPROPANE	3.698	63	113820	5.445	PPBV	95
36) BROMODICHLOROMETHANE	3.765	83	225299	5.038	PPBV	100
37) TRICHLOROETHENE	3.785	95	135139	5.012	PPBV	95
38) 1,4-DIOXANE	3.800	88	69511	4.965	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	112636	5.543	PPBV #	78
40) HEPTANE	3.918	57	89765	4.886	PPBV	88
41) MIBK	4.147	58	96277	4.964	PPBV #	86
42) CIS-1,3-DICHLOROPROPENE	4.111	75	179773	5.648	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

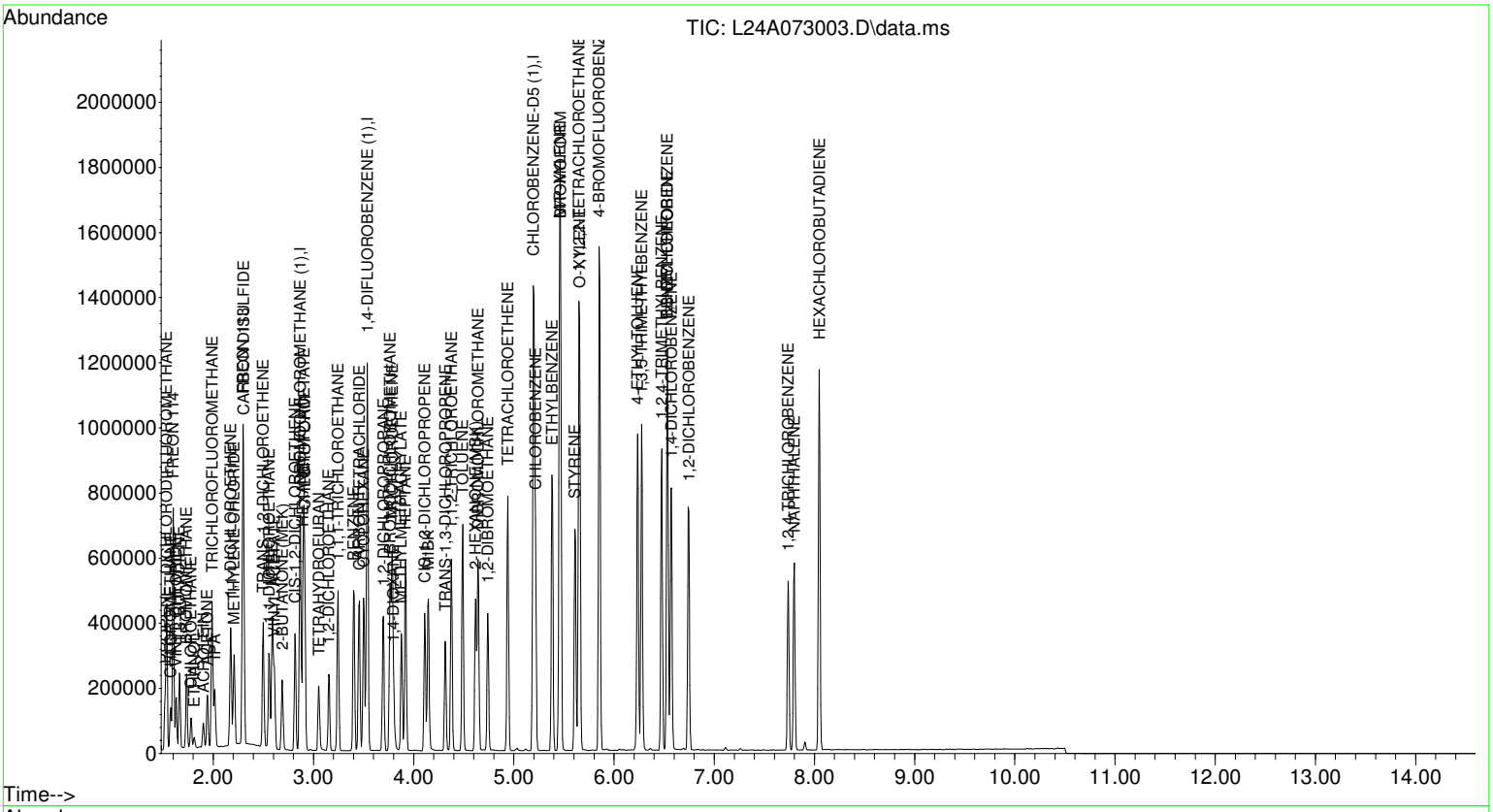
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

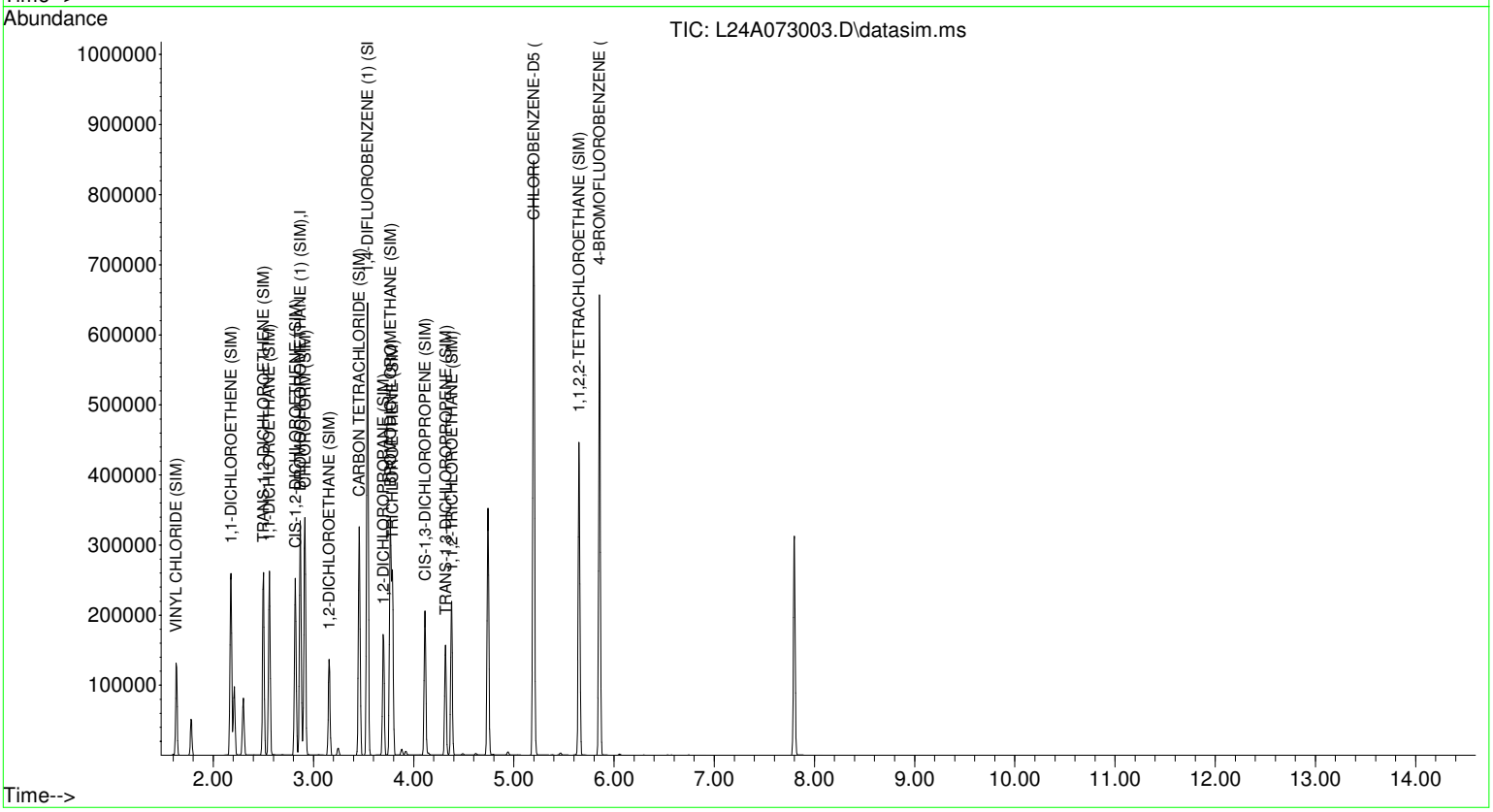
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	136350	4.818	PPBV	100
45) 1,1,2-TRICHLOROETHANE	4.377	97	131374	5.934	PPBV	98
46) TOLUENE	4.490	91	361693	5.390	PPBV	99
47) 2-HEXANONE(MBK)	4.617	43	201453	4.701	PPBV	94
48) DIBROMOCHLOROMETHANE	4.643	129	212280	5.260	PPBV	98
49) 1,2-DIBROMOETHANE	4.740	107	202449	5.578	PPBV	99
50) TETRACHLOROETHENE	4.939	166	154465	5.175	PPBV	99
51) CHLOROBENZENE	5.216	112	287200	5.564	PPBV	97
52) ETHYLBENZENE	5.381	91	464360	5.518	PPBV	100
53) M/P-XYLENE	5.460	91	763410	10.994	PPBV	97
54) BROMOFORM	5.465	173	185065	5.254	PPBV	99
55) STYRENE	5.609	104	269535	5.643	PPBV	93
56) O-XYLENE	5.656	91	372087	5.449	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.651	83	307166	6.282	PPBV	97
59) 4-ETHYLTOLUENE	6.235	105	483895	5.427	PPBV	99
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	409159	5.423	PPBV	98
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	400872	5.490	PPBV	99
62) 1,3-DICHLOROBENZENE	6.532	146	261157	5.828	PPBV	99
63) BENZYL CHLORIDE	6.532	91	217540	4.667	PPBV	99
64) 1,4-DICHLOROBENZENE	6.573	146	249333	6.011	PPBV	98
65) 1,2-DICHLOROBENZENE	6.746	146	240970	5.406	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.737	180	119595	4.529	PPBV	97
67) NAPHTHALENE	7.798	128	336665	4.933	PPBV	98
68) HEXACHLOROBUTADIENE	8.048	225	147063	4.325	PPBV	100
70] VINYL CHLORIDE (SIM)	1.629	62	108844	5.720	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	162773	5.105	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.501	61	150378	4.750	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	191267	4.932	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.819	61	137740	5.291	PPBV	88
75] CHLOROFORM (SIM)	2.915	83	223985	5.581	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	125795	4.737	PPBV	100
78] CARBON TETRACHLORIDE (...	3.456	117	206236	4.518	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	121563	5.478	PPBV	99
80] BROMODICHLOROMETHANE (...	3.767	83	242439	4.931	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	145980	5.068	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	194802	5.675	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145555	4.519	PPBV	96
85] 1,1,2-TRICHLOROETHANE ...	4.380	97	143718	5.841	PPBV	99
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	327880	6.116	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

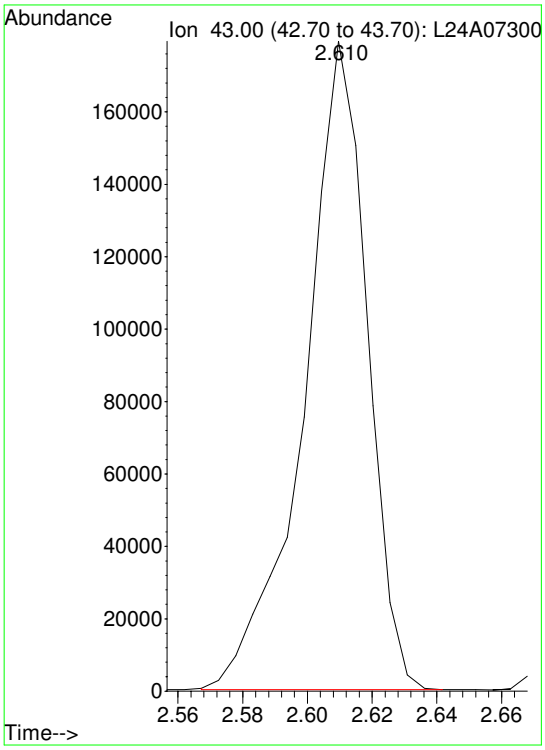




Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073003.D
Acq On : 13 Mar 2024 10:26 am
Operator : CMR
Sample : 5.0PPBV CCV
Misc : CTWS-4166-2059 03/19

Quant Time : Thu Mar 14 15:35:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

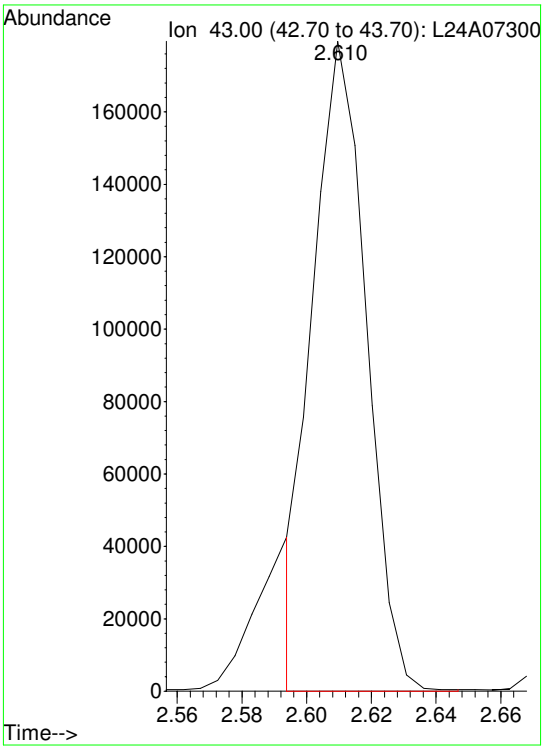
RT : 2.61
Area : 240355
Amount: 6.35525

Manual Int. Results

Thu Mar 14 15:35:33 2024

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 207928
Amount: 5.49785

Manual Integration
VINYL ACETATE



7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101690	Injection Date:	03/13/24
Lab Sample ID:	S101690-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.411751	0.4076254		-1.0	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101690	Injection Date:	03/13/24
Lab Sample ID:	S101690-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101690	Injection Date:	03/13/24
Lab Sample ID:	S101690-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	206731	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	642665	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	571989	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227340	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	684948	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	631395	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	302248	7.677	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 96.00%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	321594	7.956	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	55644	5.284	PPBV	94
3) DICHLORODIFLUOROMETHANE	1.534	85	241072	5.276	PPBV	97
4) CHLOROMETHANE	1.575	50	80157	5.084	PPBV	99
5) FREON 114	1.601	85	254462	5.518	PPBV	97
6) VINYL CHLORIDE	1.632	62	104238	5.677	PPBV	98
7) 1,3-BUTADIENE	1.662	54	73935	5.191	PPBV	94
8) BROMOMETHANE	1.734	94	90138	5.529	PPBV	99
9) CHLOROETHANE	1.780	64	52668	4.950	PPBV	100
10) ACROLEIN	1.903	56	42641	5.198	PPBV	98
11) ACETONE	1.938	43	113744	3.922	PPBV	81
12) TRICHLOROFLUOROMETHANE	1.990	101	231874	4.939	PPBV	100
13) ETHANOL	1.811	45	20494	4.578	PPBV	99
14) 1,1-DICHLOROETHENE	2.175	61	149795	5.143	PPBV	92
15) METHYLENE CHLORIDE	2.207	49	100776	4.474	PPBV	81
16) FREON 113	2.297	101	202095	5.444	PPBV	94
17) CARBON DISULFIDE	2.302	76	294767	5.527	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	137865	4.729	PPBV	91
19) 1,1-DICHLOROETHANE	2.557	63	173442	4.819	PPBV	97
20) MTBE	2.588	73	255575	4.641	PPBV	95
21) IPA	2.015	45	143947	4.718	PPBV	95
22) 2-BUTANONE(MEK)	2.689	43	159051	4.455	PPBV	88
23) CIS-1,2-DICHLOROETHENE	2.816	61	126660	5.392	PPBV	88
24) VINYL ACETATE	2.610	43	207928m	5.498	PPBV	
25) HEXANE	2.896	41	78453	4.079	PPBV	80
26) ETHYL ACETATE	2.906	45	26475	4.286	PPBV	86
27) CHLOROFORM	2.912	83	209229	5.625	PPBV	99
28) TETRAHYDROFURAN	3.055	42	94847	4.028	PPBV	91
29) 1,2-DICHLOROETHANE	3.153	62	115964	4.592	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	191103	4.687	PPBV	96
32) BENZENE	3.400	78	308677	5.297	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	188745	4.598	PPBV	100
34) CYCLOHEXANE	3.501	84	120631	4.955	PPBV	86
35) 1,2-DICHLOROPROPANE	3.698	63	113820	5.445	PPBV	95
36) BROMODICHLOROMETHANE	3.765	83	225299	5.038	PPBV	100
37) TRICHLOROETHENE	3.785	95	135139	5.012	PPBV	95
38) 1,4-DIOXANE	3.800	88	69511	4.965	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	112636	5.543	PPBV #	78
40) HEPTANE	3.918	57	89765	4.886	PPBV	88
41) MIBK	4.147	58	96277	4.964	PPBV #	86
42) CIS-1,3-DICHLOROPROPENE	4.111	75	179773	5.648	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

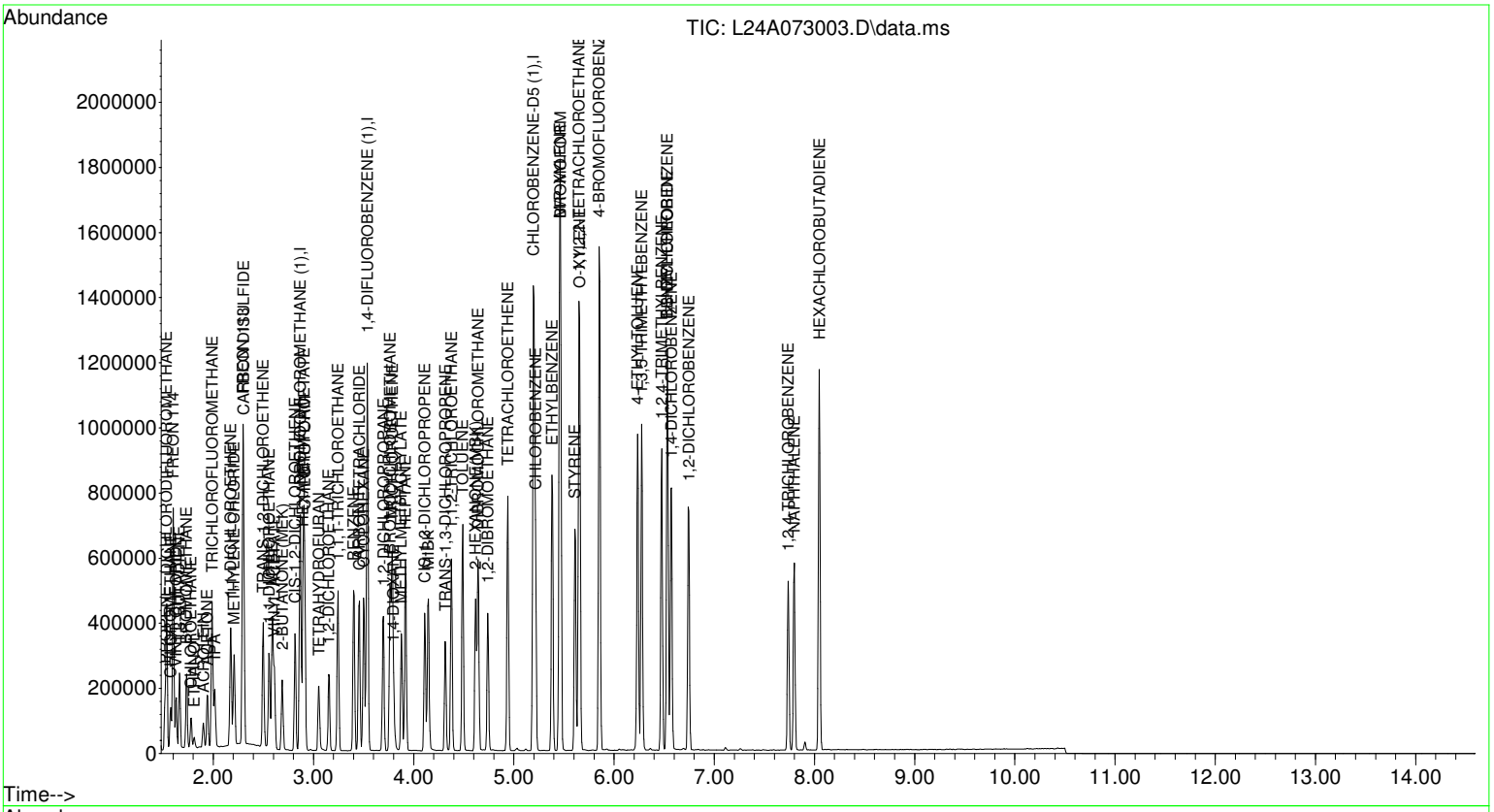
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

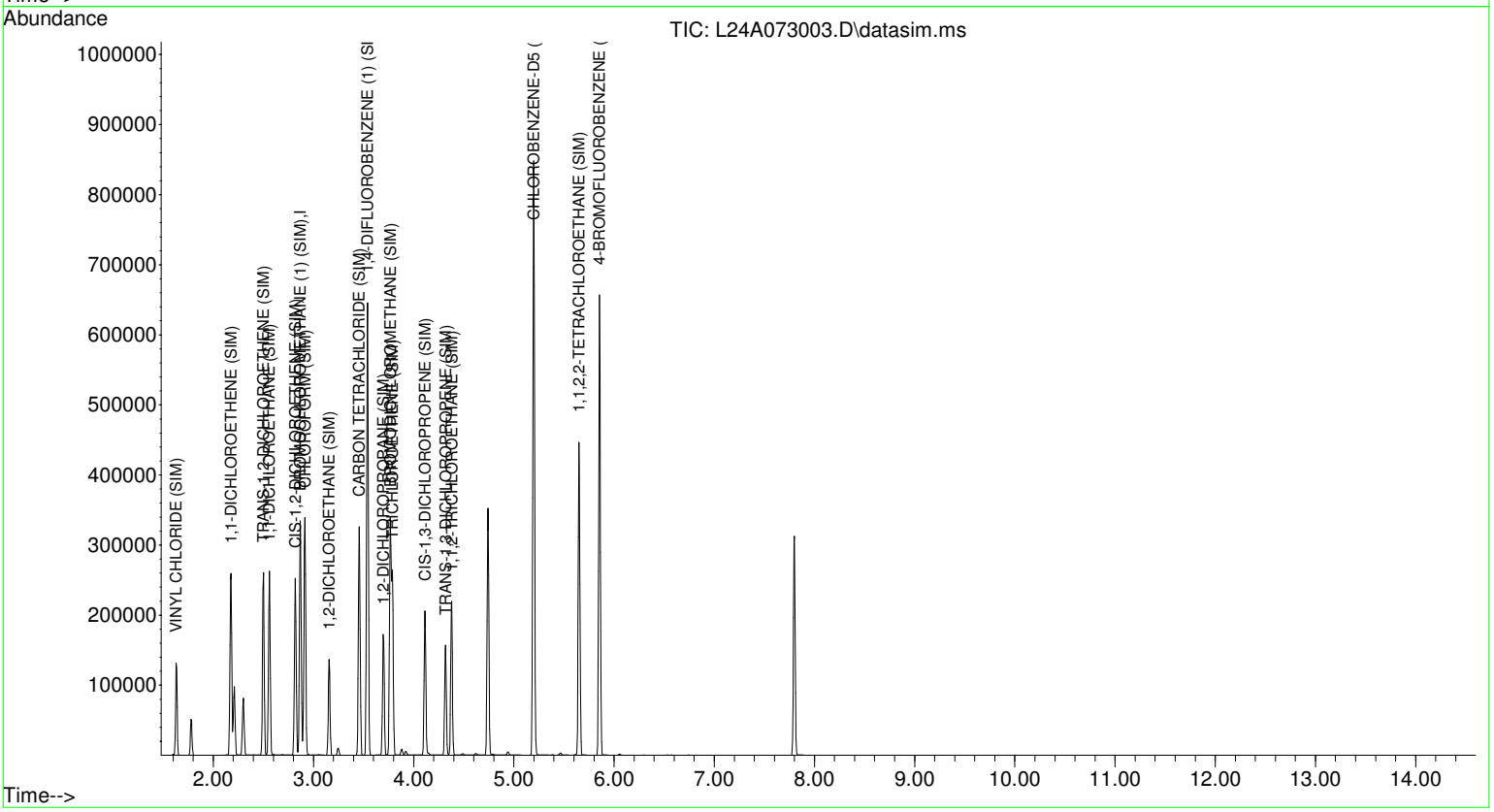
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	136350	4.818	PPBV	100
45) 1,1,2-TRICHLOROETHANE	4.377	97	131374	5.934	PPBV	98
46) TOLUENE	4.490	91	361693	5.390	PPBV	99
47) 2-HEXANONE(MBK)	4.617	43	201453	4.701	PPBV	94
48) DIBROMOCHLOROMETHANE	4.643	129	212280	5.260	PPBV	98
49) 1,2-DIBROMOETHANE	4.740	107	202449	5.578	PPBV	99
50) TETRACHLOROETHENE	4.939	166	154465	5.175	PPBV	99
51) CHLOROBENZENE	5.216	112	287200	5.564	PPBV	97
52) ETHYLBENZENE	5.381	91	464360	5.518	PPBV	100
53) M/P-XYLENE	5.460	91	763410	10.994	PPBV	97
54) BROMOFORM	5.465	173	185065	5.254	PPBV	99
55) STYRENE	5.609	104	269535	5.643	PPBV	93
56) O-XYLENE	5.656	91	372087	5.449	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.651	83	307166	6.282	PPBV	97
59) 4-ETHYLTOLUENE	6.235	105	483895	5.427	PPBV	99
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	409159	5.423	PPBV	98
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	400872	5.490	PPBV	99
62) 1,3-DICHLOROBENZENE	6.532	146	261157	5.828	PPBV	99
63) BENZYL CHLORIDE	6.532	91	217540	4.667	PPBV	99
64) 1,4-DICHLOROBENZENE	6.573	146	249333	6.011	PPBV	98
65) 1,2-DICHLOROBENZENE	6.746	146	240970	5.406	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.737	180	119595	4.529	PPBV	97
67) NAPHTHALENE	7.798	128	336665	4.933	PPBV	98
68) HEXACHLOROBUTADIENE	8.048	225	147063	4.325	PPBV	100
70] VINYL CHLORIDE (SIM)	1.629	62	108844	5.720	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	162773	5.105	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.501	61	150378	4.750	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	191267	4.932	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.819	61	137740	5.291	PPBV	88
75] CHLOROFORM (SIM)	2.915	83	223985	5.581	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	125795	4.737	PPBV	100
78] CARBON TETRACHLORIDE (...	3.456	117	206236	4.518	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	121563	5.478	PPBV	99
80] BROMODICHLOROMETHANE (...	3.767	83	242439	4.931	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	145980	5.068	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	194802	5.675	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145555	4.519	PPBV	96
85] 1,1,2-TRICHLOROETHANE ...	4.380	97	143718	5.841	PPBV	99
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	327880	6.116	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

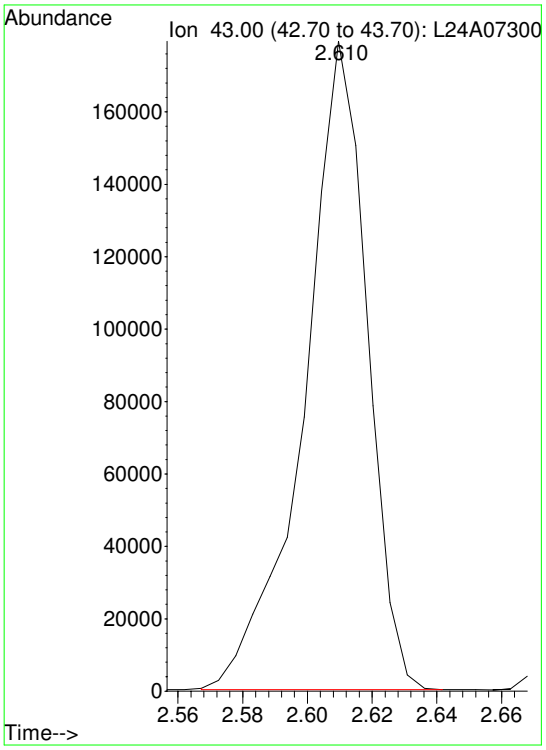




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Data File : L24A073003.D
Acq On : 13 Mar 2024 10:26 am
Operator : CMR
Sample : 5.0PPBV CCV
Misc : CTWS-4166-2059 03/19

Quant Time : Thu Mar 14 15:35:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

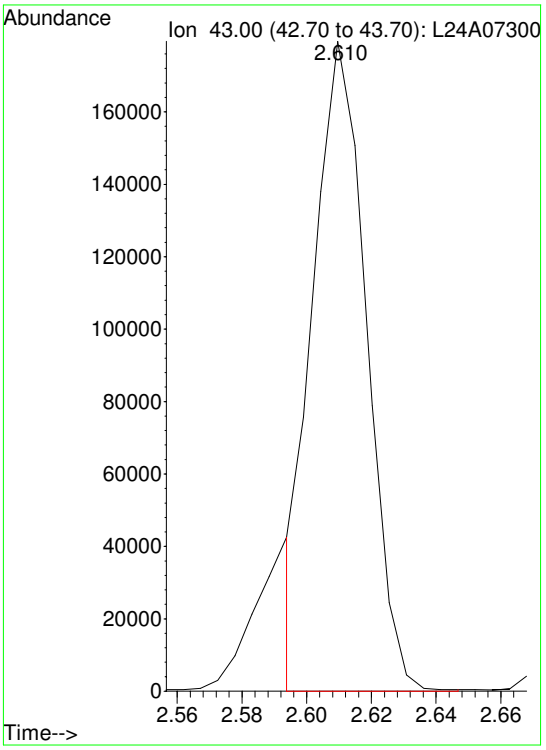
RT : 2.61
Area : 240355
Amount: 6.35525

Manual Int. Results

Thu Mar 14 15:35:33 2024

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 207928
Amount: 5.49785

Manual Integration
VINYL ACETATE



8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101689	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101689-CCV1)			*Lab File ID: L24A073003.D*			*Analyzed: 03/13/24 10:26*			
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
Bromochloromethane (1) (SIM)	227340	2.867				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
1,4-Difluorobenzene (1) (SIM)	684948	3.541				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
Chlorobenzene-d5 (1) (SIM)	631395	5.198				60 - 140		+/-0.50	
LCS (B368535-BS1)			*Lab File ID: L24A073025.D*			*Analyzed: 03/13/24 22:21*			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	227114	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	675850	3.541	684948	3.541	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	620321	5.199	631395	5.198	98	60 - 140	0.0010	+/-0.50	
Blank (B368535-BLK1)			*Lab File ID: L24A073028.D*			*Analyzed: 03/13/24 23:50*			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1) (SIM)	227549	2.866	227340	2.867	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	638847	3.539	684948	3.541	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	600871	5.196	631395	5.198	95	60 - 140	-0.0020	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101689	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
5AVE-IA-3-28022024 (24C0251-04)			*Lab File ID: L24A073030.D*			*Analyzed: 03/14/24 00:50*			
Bromochloromethane (1)	206552	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	206552	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	226413	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	616029	3.537	642665	3.538	96	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	616029	3.537	642665	3.538	96	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	656919	3.54	684948	3.541	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	573033	5.196	571989	5.195	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	573033	5.196	571989	5.195	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627423	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	
5AVE-IA-2-28022024 (24C0251-06)			*Lab File ID: L24A073031.D*			*Analyzed: 03/14/24 01:23*			
Bromochloromethane (1)	203914	2.869	206731	2.869	99	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	203914	2.869	206731	2.869	99	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225897	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	614929	3.538	642665	3.538	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	614929	3.538	642665	3.538	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	655387	3.541	684948	3.541	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	579324	5.196	571989	5.195	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	579324	5.196	571989	5.195	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	646489	5.199	631395	5.198	102	60 - 140	0.0010	+/-0.50	
5AVE-IA-1-28022024 (24C0251-08)			*Lab File ID: L24A073032.D*			*Analyzed: 03/14/24 01:56*			
Bromochloromethane (1)	206000	2.864	206731	2.869	100	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1)	206000	2.864	206731	2.869	100	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	227833	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	626319	3.538	642665	3.538	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	626319	3.538	642665	3.538	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	668036	3.536	684948	3.541	98	60 - 140	-0.0050	+/-0.50	
Chlorobenzene-d5 (1)	568987	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	568987	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627320	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101689	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
5AVE-OA-1-28022024 (24C0251-09)			*Lab File ID: L24A073033.D*			*Analyzed: 03/14/24 02:29*			
Bromochloromethane (1)	208377	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	208377	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225088	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	607165	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	607165	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	646656	3.54	684948	3.541	94	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	547385	5.194	571989	5.195	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	547385	5.194	571989	5.195	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	603912	5.197	631395	5.198	96	60 - 140	-0.0010	+/-0.50	
IA-DUP-28022024 (24C0251-11)			*Lab File ID: L24A073034.D*			*Analyzed: 03/14/24 03:03*			
Bromochloromethane (1)	204351	2.864	206731	2.869	99	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1)	204351	2.864	206731	2.869	99	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	221959	2.866	227340	2.867	98	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	606534	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	606534	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	647380	3.54	684948	3.541	95	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	572039	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	572039	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	634361	5.198	631395	5.198	100	60 - 140	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101690	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101690-CCV1)			*Lab File ID: L24A073003.D*			*Analyzed: 03/13/24 10:26*			
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
LCS (B368536-BS1)			*Lab File ID: L24A073025.D*			*Analyzed: 03/13/24 22:21*			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Blank (B368536-BLK1)			*Lab File ID: L24A073028.D*			*Analyzed: 03/13/24 23:50*			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
SSV-DUP-28022024 (24C0251-10)			*Lab File ID: L24A073035.D*			*Analyzed: 03/14/24 03:31*			
Bromochloromethane (1)	212153	2.869	206731	2.869	103	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	212153	2.869	206731	2.869	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	641467	3.543	642665	3.538	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	641467	3.543	642665	3.538	100	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	583657	5.195	571989	5.195	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	583657	5.195	571989	5.195	102	60 - 140	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101690	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (B368536-DUP1)			*Lab File ID: L24A073036.D*			*Analyzed: 03/14/24 03:59*			
Bromochloromethane (1)	208764	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	208764	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	629868	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	629868	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	563581	5.194	571989	5.195	99	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	563581	5.194	571989	5.195	99	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-1-28022024 (24C0251-07)			*Lab File ID: L24A073037.D*			*Analyzed: 03/14/24 04:27*			
Bromochloromethane (1)	200252	2.874	206731	2.869	97	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	200252	2.874	206731	2.869	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	623344	3.542	642665	3.538	97	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	623344	3.542	642665	3.538	97	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	565705	5.2	571989	5.195	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	565705	5.2	571989	5.195	99	60 - 140	0.0050	+/-0.50	
5AVE-SSV-2-28022024 (24C0251-05)			*Lab File ID: L24A073038.D*			*Analyzed: 03/14/24 04:55*			
Bromochloromethane (1)	203097	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	203097	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	598684	3.543	642665	3.538	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	598684	3.543	642665	3.538	93	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	560669	5.194	571989	5.195	98	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	560669	5.194	571989	5.195	98	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-3-28022024 (24C0251-03)			*Lab File ID: L24A073039.D*			*Analyzed: 03/14/24 05:23*			
Bromochloromethane (1)	211262	2.875	206731	2.869	102	60 - 140	0.0060	+/-0.50	
Bromochloromethane (1)	211262	2.875	206731	2.869	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	631009	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	631009	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	577545	5.2	571989	5.195	101	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	577545	5.2	571989	5.195	101	60 - 140	0.0050	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101690	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CVS-SV-1-28022024 (24C0251-02)			*Lab File ID: L24A073040.D*			*Analyzed: 03/14/24 05:51*			
Bromochloromethane (1)	205775	2.874	206731	2.869	100	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	205775	2.874	206731	2.869	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	608703	3.542	642665	3.538	95	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	608703	3.542	642665	3.538	95	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	570925	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	570925	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
CVS-SV-2-28022024 (24C0251-01)			*Lab File ID: L24A073041.D*			*Analyzed: 03/14/24 06:19*			
Bromochloromethane (1)	204167	2.874	206731	2.869	99	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	204167	2.874	206731	2.869	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	634222	3.543	642665	3.538	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	634222	3.543	642665	3.538	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	582694	5.2	571989	5.195	102	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	582694	5.2	571989	5.195	102	60 - 140	0.0050	+/-0.50	
CVS-SV-2-28022024 (24C0251-01RE1)			*Lab File ID: L24A073042.D*			*Analyzed: 03/14/24 06:46*			
Bromochloromethane (1)	202504	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	202504	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	620519	3.548	642665	3.538	97	60 - 140	0.0100	+/-0.50	
1,4-Difluorobenzene (1)	620519	3.548	642665	3.538	97	60 - 140	0.0100	+/-0.50	
Chlorobenzene-d5 (1)	564269	5.199	571989	5.195	99	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	564269	5.199	571989	5.195	99	60 - 140	0.0040	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		0.70	1.4	
71-43-2	Benzene		0.011	0.034	
100-44-7	Benzyl chloride		0.019	0.034	
75-27-4	Bromodichloromethane		0.014	0.034	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0069	
75-25-2	Bromoform		0.012	0.034	
74-83-9	Bromomethane		0.029	0.034	
106-99-0	1,3-Butadiene		0.029	0.034	
78-93-3	2-Butanone (MEK)		0.67	1.4	
75-15-0	Carbon Disulfide		0.066	0.34	
56-23-5	Carbon Tetrachloride		0.027	0.034	
56-23-5	Carbon Tetrachloride (SIM)		0.0014	0.0069	
108-90-7	Chlorobenzene		0.011	0.034	
75-00-3	Chloroethane		0.032	0.034	
67-66-3	Chloroform		0.017	0.034	
67-66-3	Chloroform (SIM)		0.0018	0.0069	
74-87-3	Chloromethane		0.046	0.069	
110-82-7	Cyclohexane		0.027	0.034	
124-48-1	Dibromochloromethane		0.023	0.034	
106-93-4	1,2-Dibromoethane (EDB)		0.021	0.034	
95-50-1	1,2-Dichlorobenzene		0.012	0.034	
541-73-1	1,3-Dichlorobenzene		0.013	0.034	
106-46-7	1,4-Dichlorobenzene		0.017	0.034	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.014	0.034	
75-34-3	1,1-Dichloroethane		0.017	0.034	
75-34-3	1,1-Dichloroethane (SIM)		0.0023	0.0069	
107-06-2	1,2-Dichloroethane		0.013	0.034	
107-62-2	1,2-Dichloroethane (SIM)		0.0014	0.0069	
75-35-4	1,1-Dichloroethylene		0.024	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0069	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.034	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0069	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.034	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0069	
78-87-5	1,2-Dichloropropane		0.026	0.034	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0069	
10061-01-5	cis-1,3-Dichloropropene		0.017	0.034	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0069	
10061-02-6	trans-1,3-Dichloropropene		0.033	0.034	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0069	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.034	
123-91-1	1,4-Dioxane		0.17	0.34	
64-17-5	Ethanol		0.91	1.4	
141-78-6	Ethyl Acetate		0.14	0.34	
100-41-4	Ethylbenzene		0.012	0.034	
622-96-8	4-Ethyltoluene		0.015	0.034	
142-82-5	Heptane		0.022	0.034	
87-68-3	Hexachlorobutadiene		0.020	0.034	
110-54-3	Hexane		0.72	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.034	
67-63-0	Isopropanol		0.72	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.034	
75-09-2	Methylene Chloride		0.093	0.34	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.034	
91-20-3	Naphthalene		0.028	0.034	
115-07-1	Propene		0.76	1.4	
100-42-5	Styrene		0.027	0.034	
79-34-5	1,1,2,2-Tetrachloroethane		0.0085	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0069	
127-18-4	Tetrachloroethylene		0.030	0.034	
109-99-9	Tetrahydrofuran		0.13	0.34	
108-88-3	Toluene		0.017	0.034	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.034	
71-55-6	1,1,1-Trichloroethane		0.011	0.034	
79-00-5	1,1,2-Trichloroethane		0.012	0.034	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00088	0.0069	
79-01-6	Trichloroethylene		0.026	0.034	
79-01-6	Trichloroethylene (SIM)		0.0022	0.0069	
75-69-4	Trichlorofluoromethane (Freon 11)		0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0094	0.14	
95-63-6	1,2,4-Trimethylbenzene		0.021	0.034	
108-67-8	1,3,5-Trimethylbenzene		0.026	0.034	
108-05-4	Vinyl Acetate		0.14	0.69	
75-01-4	Vinyl Chloride		0.018	0.034	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0069	
179601-23-1	m&p-Xylene		0.024	0.069	
95-47-6	o-Xylene		0.013	0.034	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

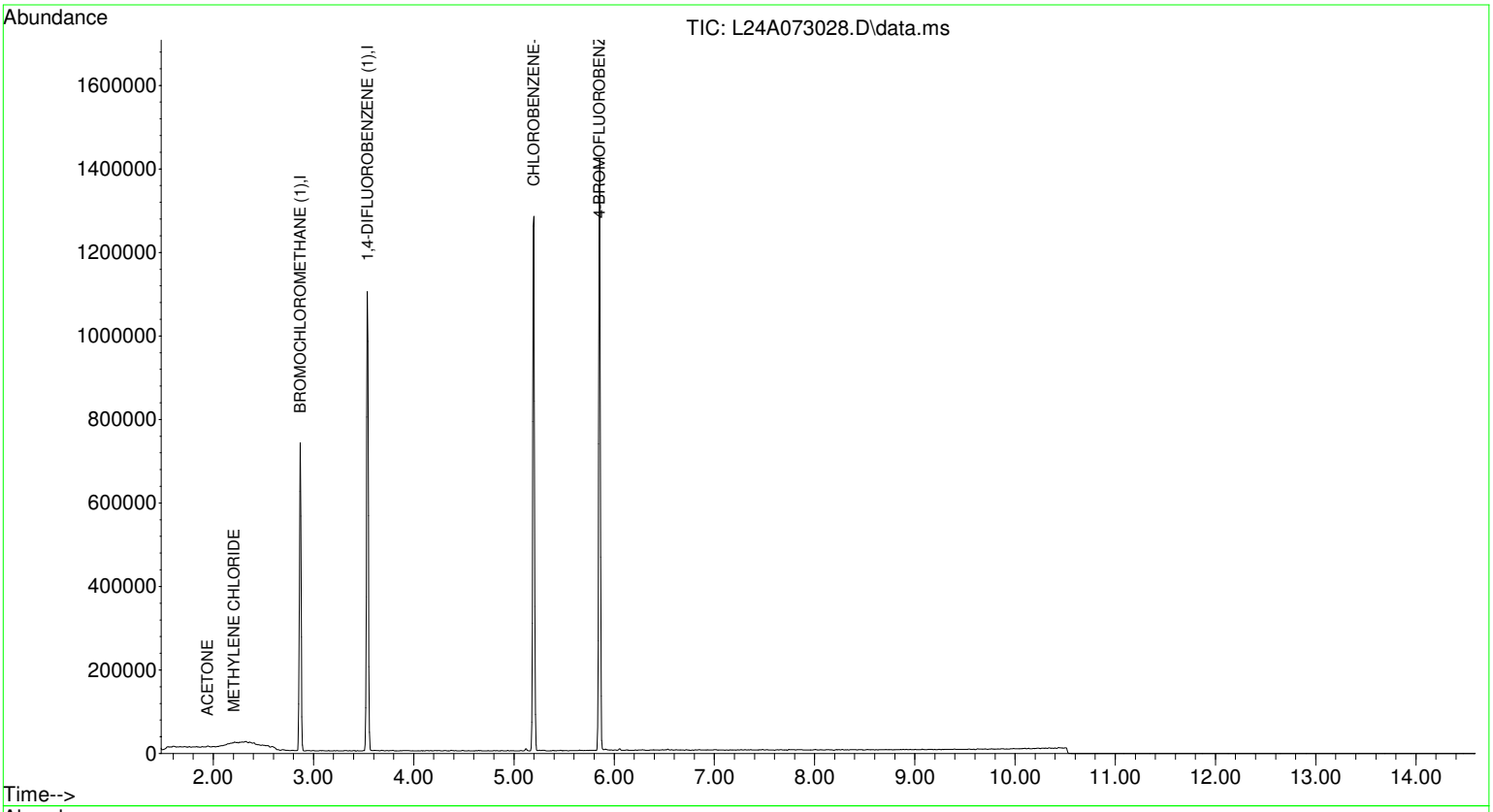
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

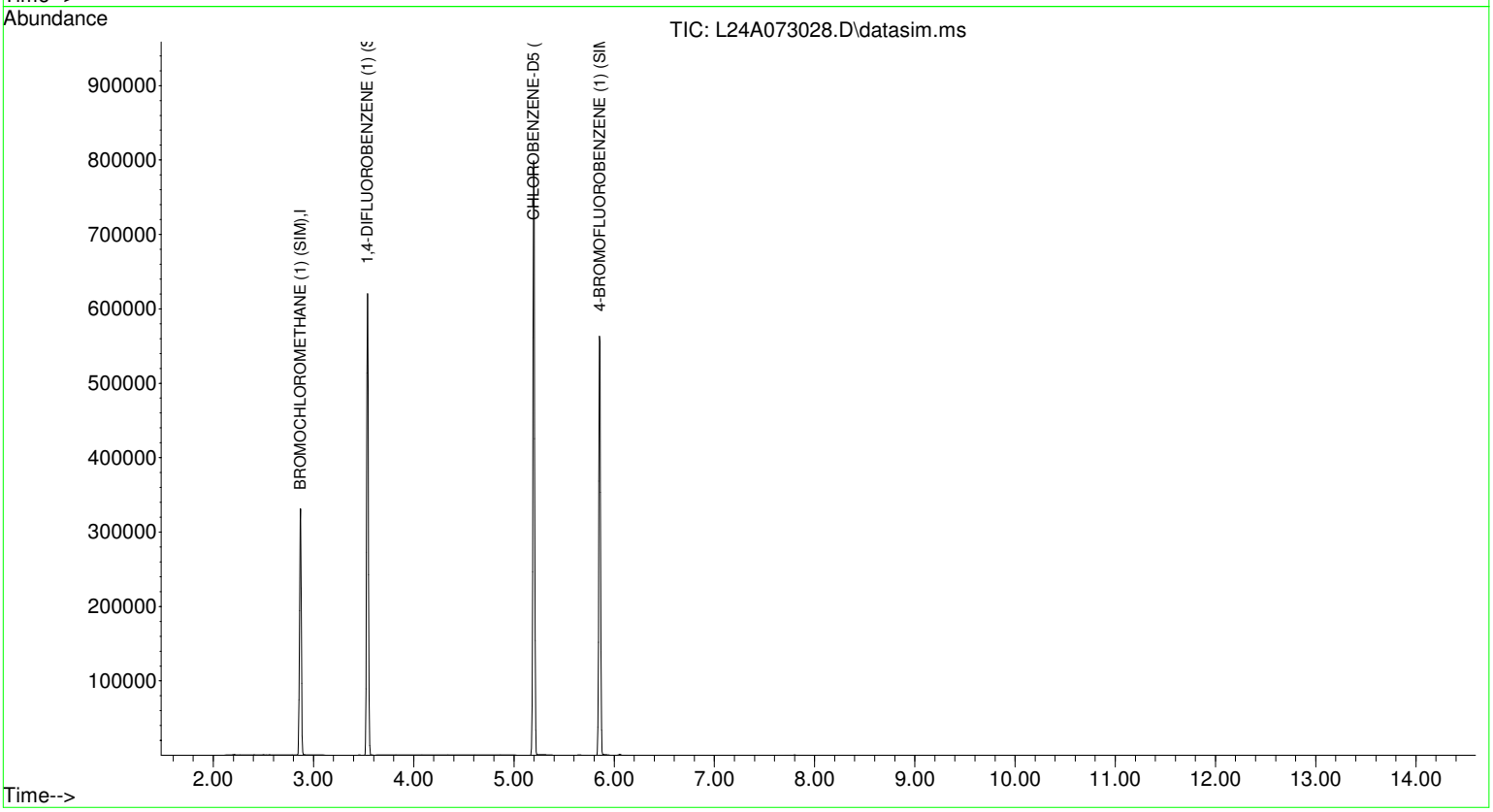
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.868	49	207505	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.536	114	595987	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.198	117	544815	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.866	49	227549	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.539	114	638847	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.196	117	600871	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	273048	7.281	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 91.00%			
87) 4-BROMOFLUOROBENZENE (...	5.857	174	286715	7.453	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.13%			
Target Compounds						Qvalue
11) ACETONE	1.943	43	956	0.033	PPBV	83
15) METHYLENE CHLORIDE	2.206	49	586	0.026	PPBV #	47

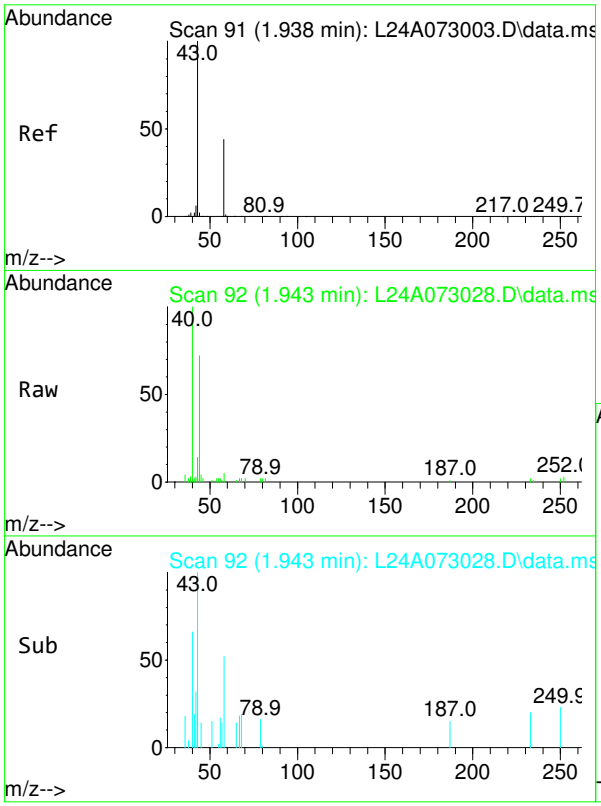
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



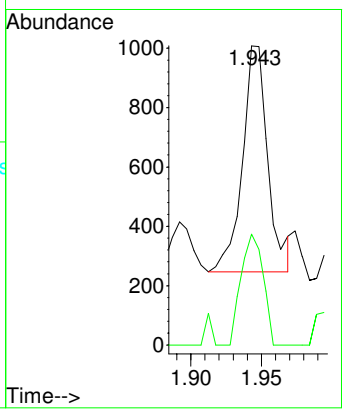


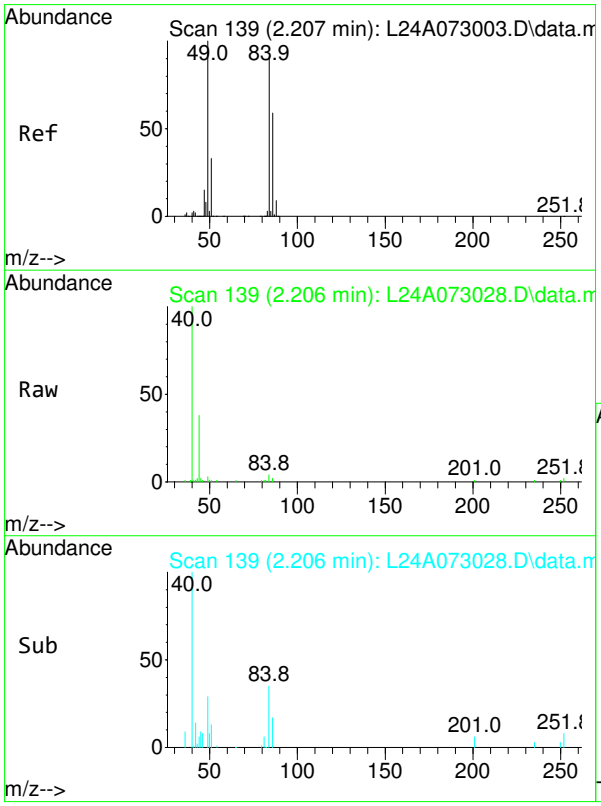


#11
ACETONE
Concen: 0.03 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 43 Resp: 956

Ion	Ratio	Lower	Upper
43	100		
58	42.9	13.1	53.1

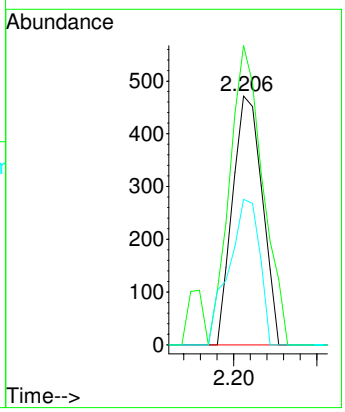




#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 49 Resp: 586

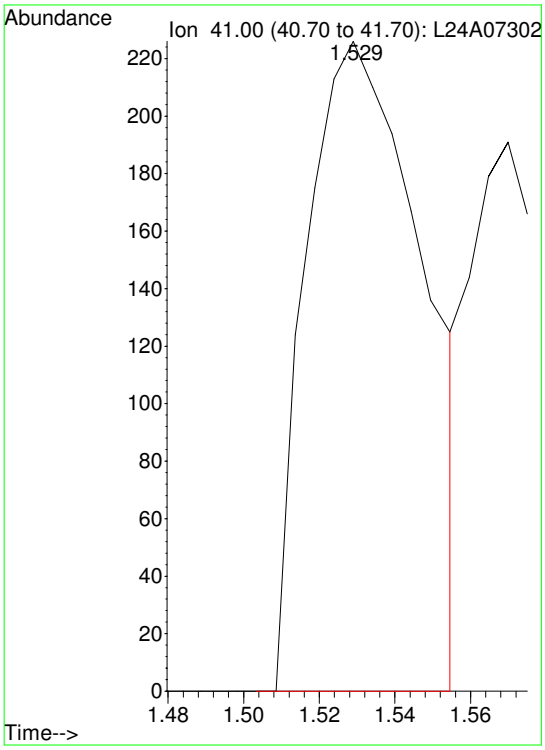
Ion	Ratio	Lower	Upper
49	100		
84	134.6	52.0	92.0#
86	60.4	27.3	67.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

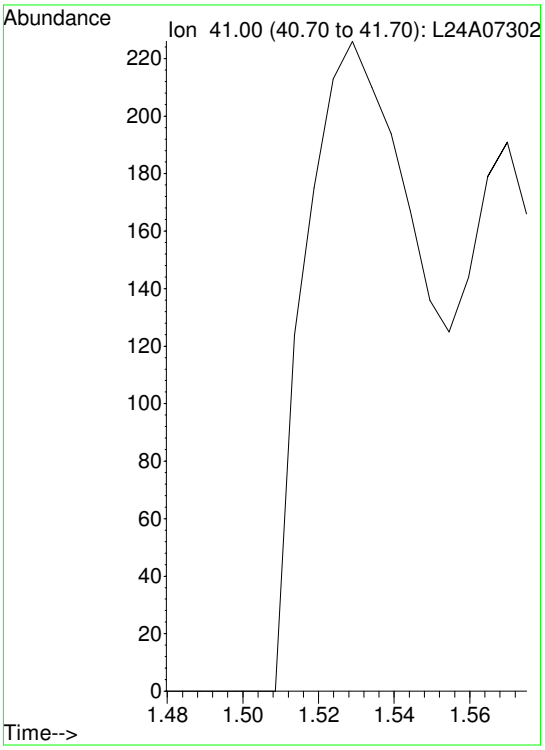
RT : 1.53
Area : 481
Amount: 0.0455044

Manual Int. Results

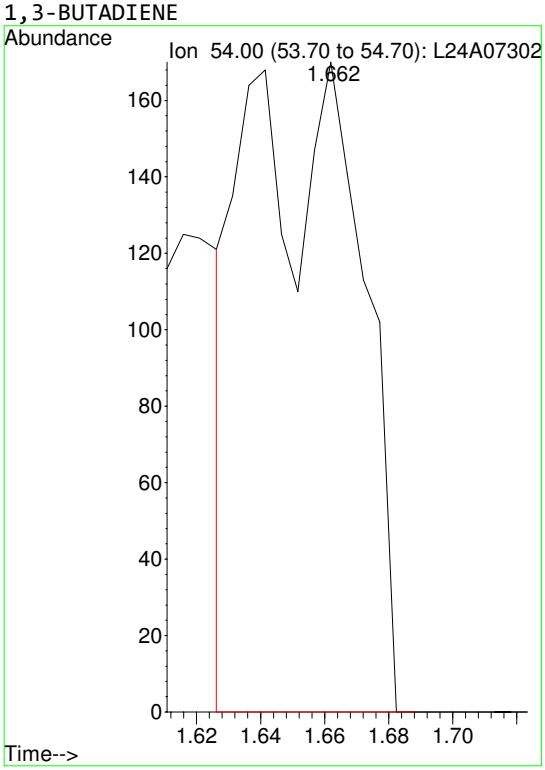
Fri Mar 15 11:09:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

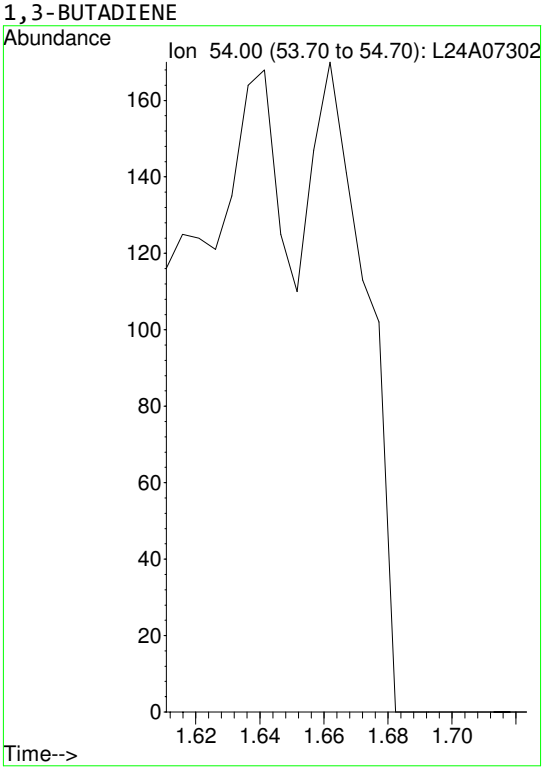
RT : 1.66
Area : 422
Amount: 0.0295192

Manual Int. Results

Fri Mar 15 11:09:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

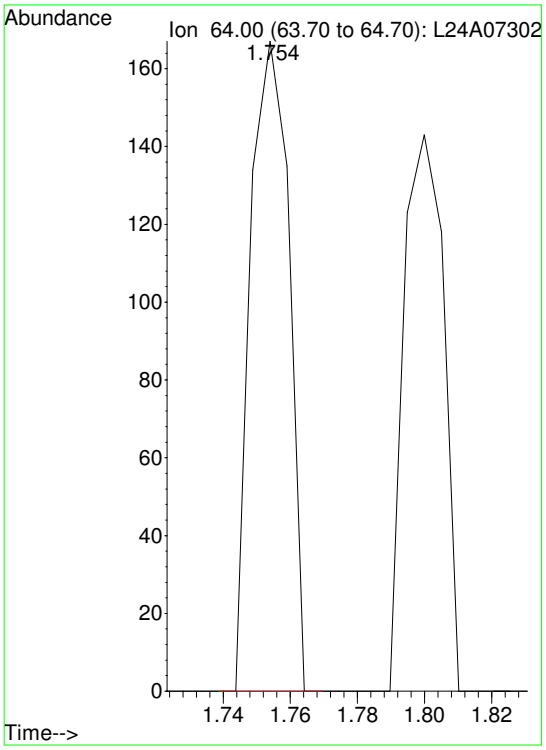
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

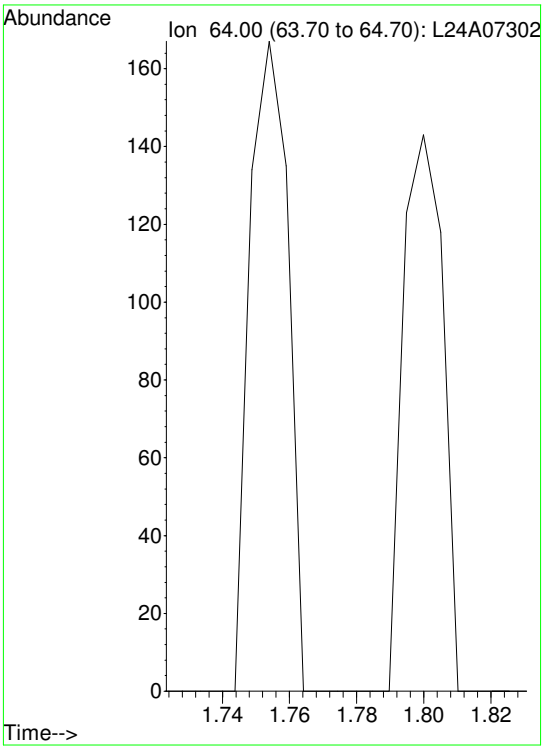
RT : 1.75
Area : 134
Amount: 0.0125468

Manual Int. Results

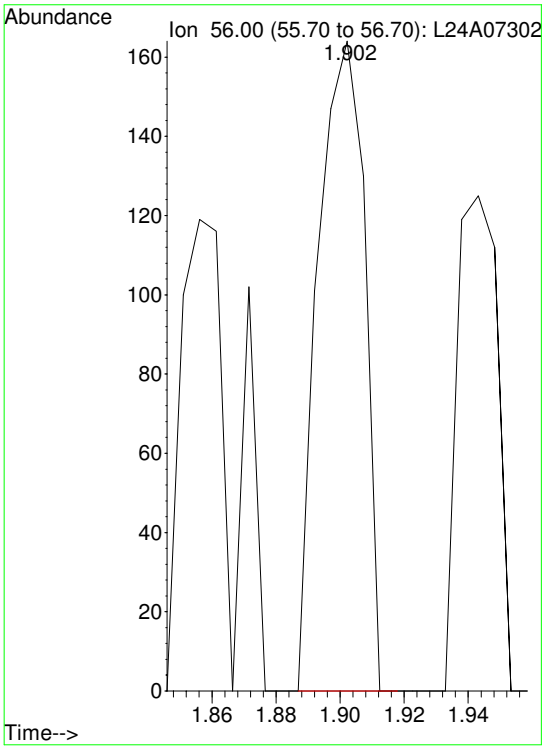
Fri Mar 15 11:09:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

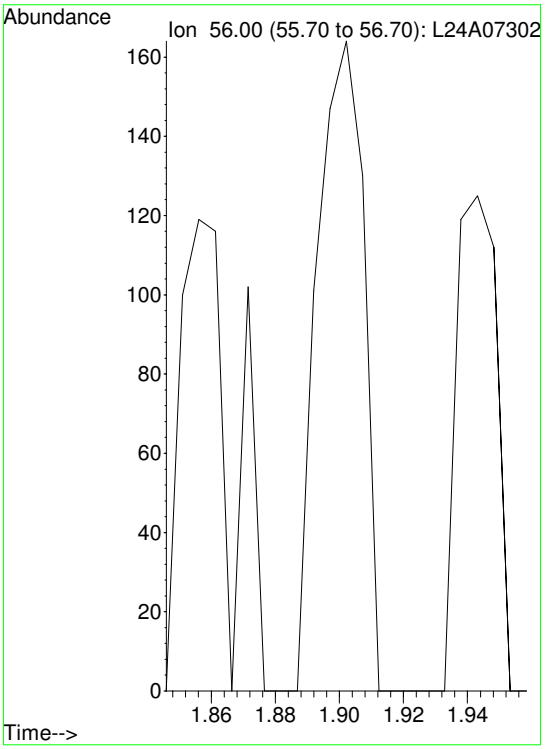
RT : 1.90
Area : 166
Amount: 0.0201583

Manual Int. Results

Fri Mar 15 11:09:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

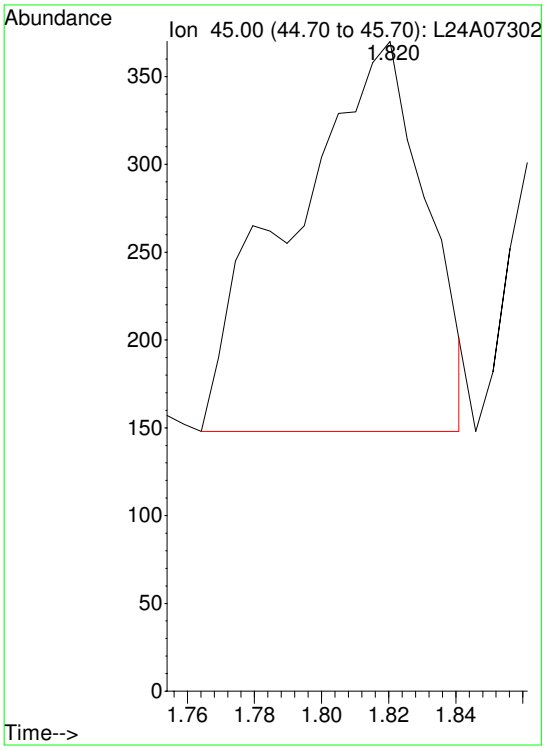
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
ETHANOL



Original Int. Results

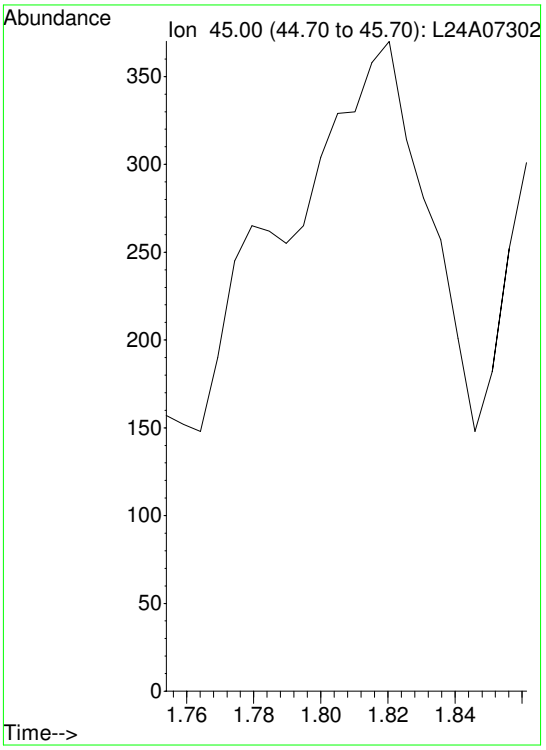
RT : 1.82
Area : 615
Amount: 0.136863

Manual Int. Results

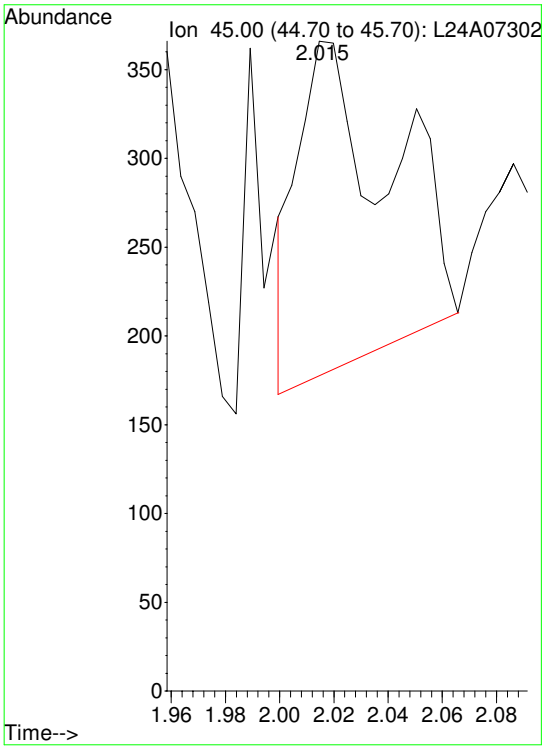
Fri Mar 15 11:08:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
IPA



Original Int. Results

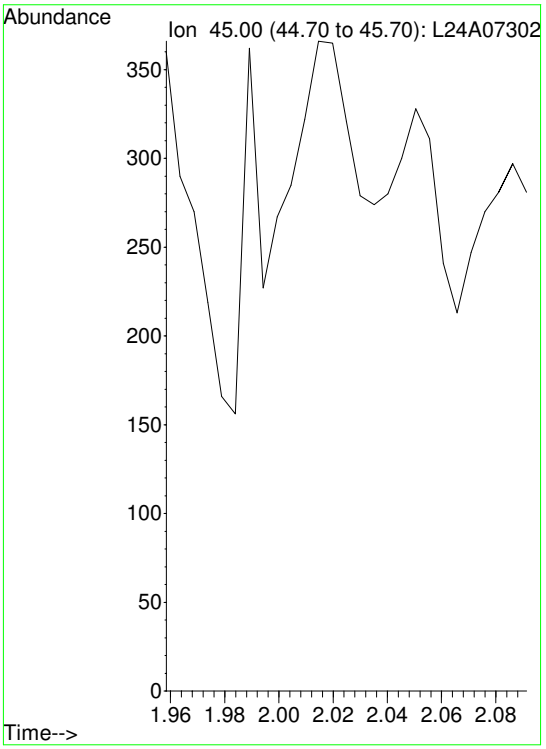
RT : 2.01
Area : 434
Amount: 0.0141714

Manual Int. Results

Fri Mar 15 11:08:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

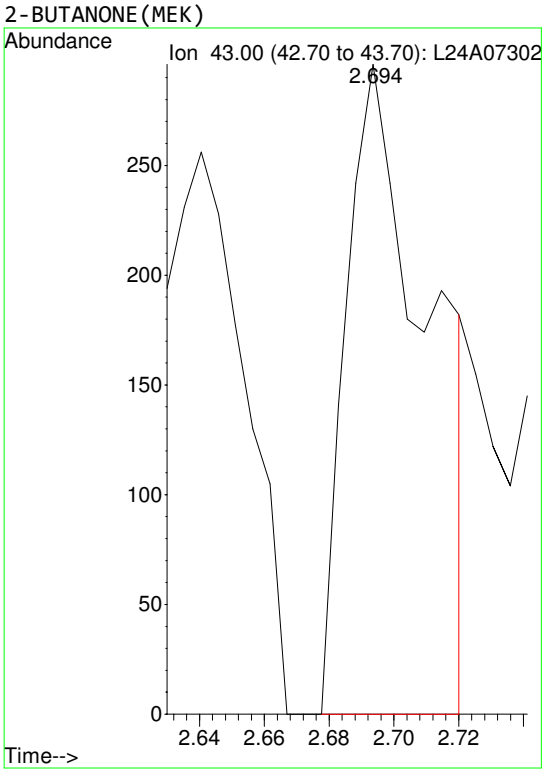
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

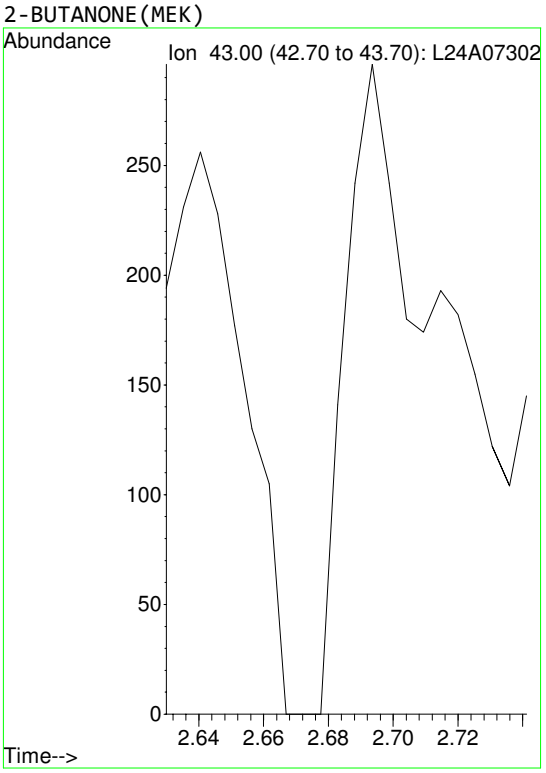
RT : 2.69
Area : 524
Amount: 0.0146221

Manual Int. Results

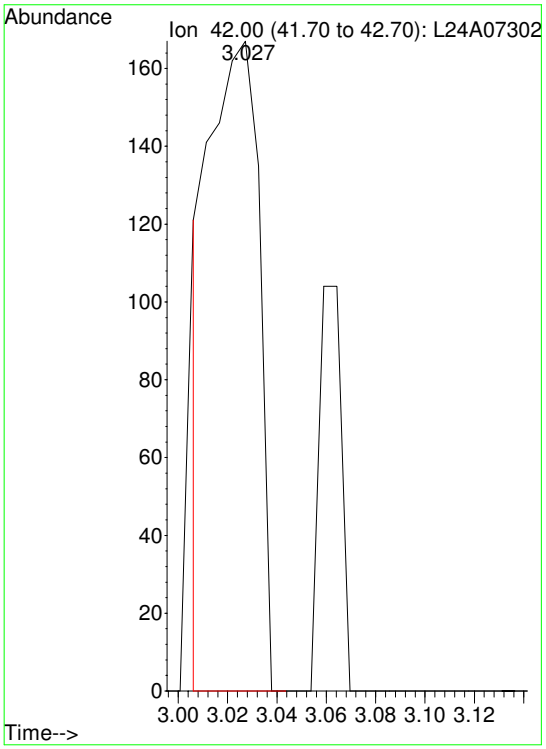
Fri Mar 15 11:08:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
TETRAHYDROFURAN



Original Int. Results

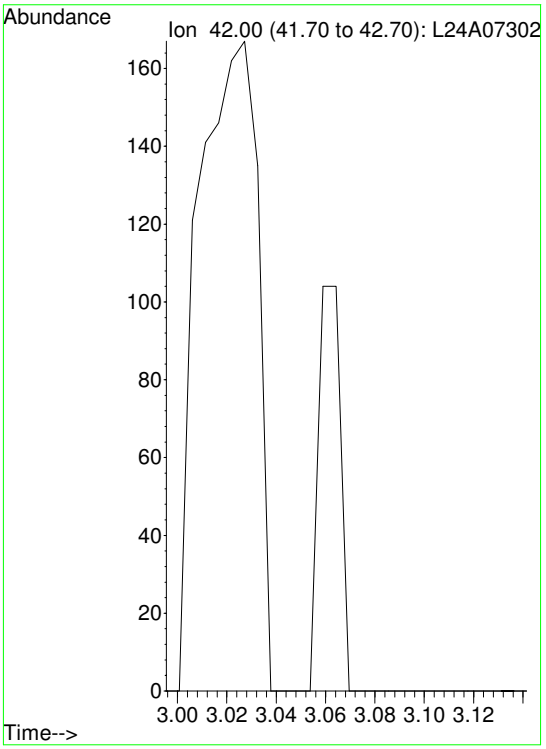
RT : 3.03
Area : 239
Amount: 0.0101122

Manual Int. Results

Fri Mar 15 11:08:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

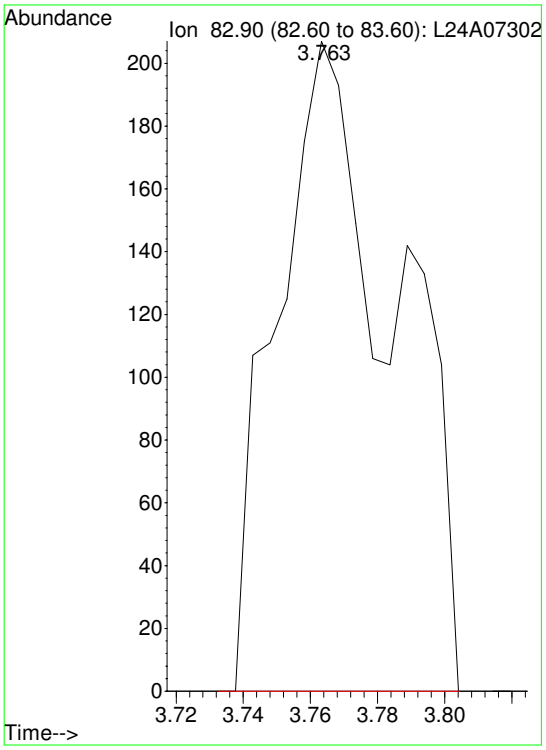
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE



Original Int. Results

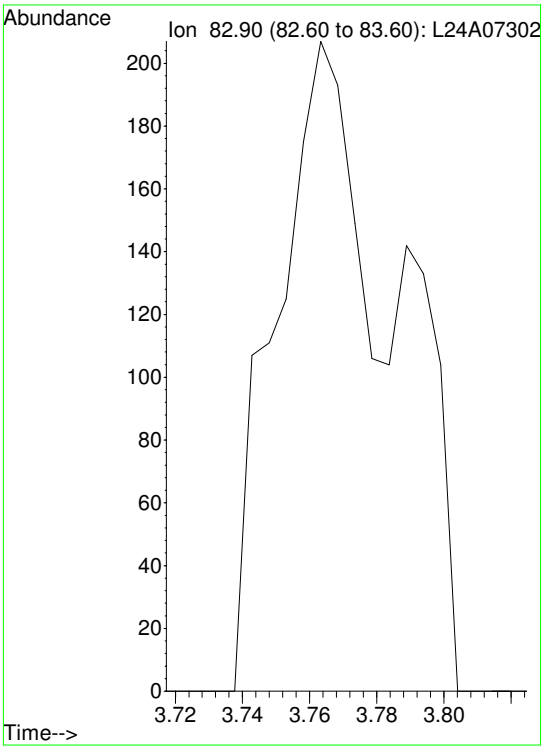
RT : 3.76
Area : 508
Amount: 0.0122488

Manual Int. Results

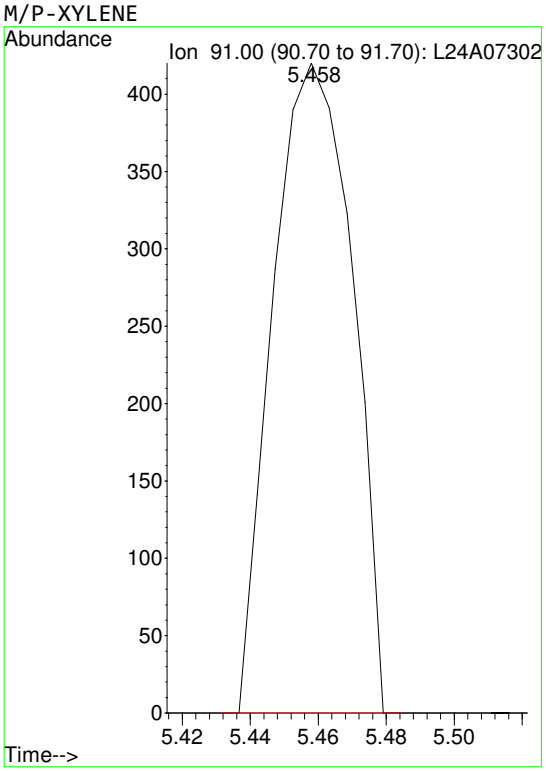
Fri Mar 15 11:08:40 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE



Original Integration
M/P-XYLENE



Original Int. Results

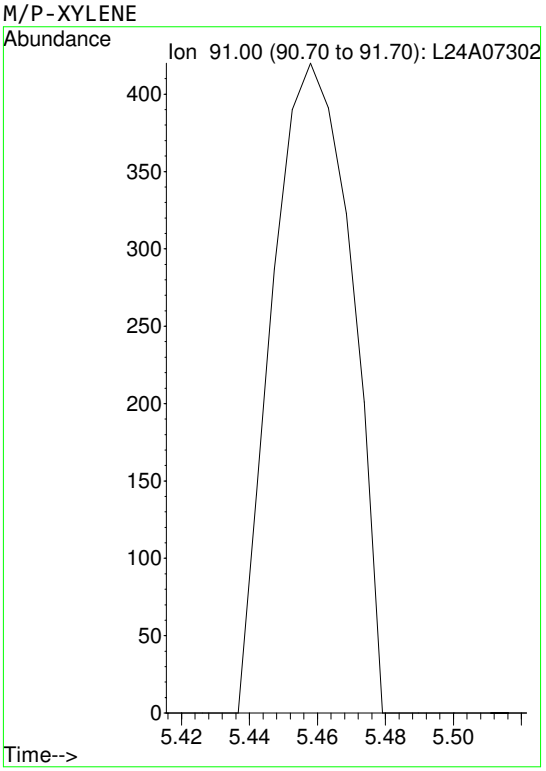
RT : 5.46
Area : 684
Amount: 0.0103421

Manual Int. Results

Fri Mar 15 11:08:34 2024

MIuser: TPH
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.92			
71-43-2	Benzene	5.13			
100-44-7	Benzyl chloride	4.42			
75-27-4	Bromodichloromethane	4.76			
75-27-4	Bromodichloromethane (SIM)	4.62			
75-25-2	Bromoform	4.73			
74-83-9	Bromomethane	5.42			
106-99-0	1,3-Butadiene	4.93			
78-93-3	2-Butanone (MEK)	4.40			
75-15-0	Carbon Disulfide	5.46			
56-23-5	Carbon Tetrachloride	4.64			
56-23-5	Carbon Tetrachloride (SIM)	4.56			
108-90-7	Chlorobenzene	5.21			
75-00-3	Chloroethane	4.96			
67-66-3	Chloroform	5.39			
67-66-3	Chloroform (SIM)	5.43			
74-87-3	Chloromethane	4.75			
110-82-7	Cyclohexane	5.01			
124-48-1	Dibromochloromethane	4.93			
106-93-4	1,2-Dibromoethane (EDB)	5.18			
95-50-1	1,2-Dichlorobenzene	5.17			
541-73-1	1,3-Dichlorobenzene	5.77			
106-46-7	1,4-Dichlorobenzene	5.82			
75-71-8	Dichlorodifluoromethane (Freon 12)	5.04			
75-34-3	1,1-Dichloroethane	4.66			
75-34-3	1,1-Dichloroethane (SIM)	4.76			
107-06-2	1,2-Dichloroethane	4.41			
107-62-2	1,2-Dichloroethane (SIM)	4.48			
75-35-4	1,1-Dichloroethylene	4.99			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
75-35-4	1,1-Dichloroethylene (SIM)	4.98			
156-59-2	cis-1,2-Dichloroethylene	5.14			
156-59-2	cis-1,2-Dichloroethylene (SIM)	5.13			
156-60-5	trans-1,2-Dichloroethylene	4.47			
156-60-5	trans-1,2-Dichloroethylene (SIM)	4.57			
78-87-5	1,2-Dichloropropane	5.44			
78-87-5	1,2-Dichloropropane (SIM)	5.47			
10061-01-5	cis-1,3-Dichloropropene	5.24			
10061-01-5	cis-1,3-Dichloropropene (SIM)	5.11			
10061-02-6	trans-1,3-Dichloropropene	4.88			
10061-02-6	trans-1,3-Dichloropropene (SIM)	4.58			
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	4.88			
123-91-1	1,4-Dioxane	5.52			
64-17-5	Ethanol	5.16			
141-78-6	Ethyl Acetate	3.99			
100-41-4	Ethylbenzene	5.21			
622-96-8	4-Ethyltoluene	5.31			
142-82-5	Heptane	4.87			
87-68-3	Hexachlorobutadiene	4.35			
110-54-3	Hexane	4.11			
591-78-6	2-Hexanone (MBK)	4.77			
67-63-0	Isopropanol	4.54			
1634-04-4	Methyl tert-Butyl Ether (MTBE)	4.56			
75-09-2	Methylene Chloride	4.43			
108-10-1	4-Methyl-2-pentanone (MIBK)	5.24			
91-20-3	Naphthalene	4.87			
115-07-1	Propene	5.05			
100-42-5	Styrene	5.35			
79-34-5	1,1,2,2-Tetrachloroethane	5.92			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane (SIM)	5.73			
127-18-4	Tetrachloroethylene	5.06			
109-99-9	Tetrahydrofuran	4.27			
108-88-3	Toluene	5.31			
120-82-1	1,2,4-Trichlorobenzene	4.46			
71-55-6	1,1,1-Trichloroethane	4.42			
79-00-5	1,1,2-Trichloroethane	5.70			
79-00-5	1,1,2-Trichloroethane (SIM)	5.56			
79-01-6	Trichloroethylene	4.85			
79-01-6	Trichloroethylene (SIM)	4.95			
75-69-4	Trichlorofluoromethane (Freon 11)	4.76			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	5.24			
95-63-6	1,2,4-Trimethylbenzene	5.20			
108-67-8	1,3,5-Trimethylbenzene	5.30			
108-05-4	Vinyl Acetate	4.77			
75-01-4	Vinyl Chloride	5.26			
75-01-4	Vinyl Chloride (SIM)	5.54			
179601-23-1	m&p-Xylene	10.6			
95-47-6	o-Xylene	5.38			

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	207683	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	632479	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	564467	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227114	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	675850	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	620321	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	297884	7.667	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.88%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	313799	7.902	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 98.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	53396	5.047	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.534	85	231170	5.036	PPBV	99
4) CHLOROMETHANE	1.570	50	75237	4.750	PPBV	96
5) FREON 114	1.601	85	226338	4.885	PPBV	96
6) VINYL CHLORIDE	1.626	62	97039	5.260	PPBV	100
7) 1,3-BUTADIENE	1.662	54	70566	4.932	PPBV	94
8) BROMOMETHANE	1.729	94	88837	5.424	PPBV	99
9) CHLOROETHANE	1.775	64	52983	4.957	PPBV	98
10) ACROLEIN	1.897	56	35769	4.340	PPBV	98
11) ACETONE	1.938	43	114094	3.916	PPBV	84
12) TRICHLOROFLUOROMETHANE	1.984	101	224350	4.757	PPBV	98
13) ETHANOL	1.805	45	23229	5.165	PPBV	100
14) 1,1-DICHLOROETHENE	2.169	61	146040	4.991	PPBV	91
15) METHYLENE CHLORIDE	2.207	49	100268	4.431	PPBV	83
16) FREON 113	2.297	101	195234	5.235	PPBV	95
17) CARBON DISULFIDE	2.297	76	292303	5.456	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	131018	4.473	PPBV	87
19) 1,1-DICHLOROETHANE	2.556	63	168457	4.659	PPBV	98
20) MTBE	2.588	73	251984	4.555	PPBV	97
21) IPA	2.015	45	139263	4.543	PPBV	96
22) 2-BUTANONE(MEK)	2.689	43	157746	4.398	PPBV	86
23) CIS-1,2-DICHLOROETHENE	2.816	61	121194	5.136	PPBV	86
24) VINYL ACETATE	2.610	43	181363m	4.773	PPBV	
25) HEXANE	2.896	41	79350	4.107	PPBV	80
26) ETHYL ACETATE	2.906	45	24740	3.987	PPBV	82
27) CHLOROFORM	2.912	83	201380	5.389	PPBV	99
28) TETRAHYDROFURAN	3.055	42	101055m	4.272	PPBV	
29) 1,2-DICHLOROETHANE	3.153	62	111805	4.407	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	177570	4.425	PPBV	96
32) BENZENE	3.400	78	294178	5.129	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	187503	4.641	PPBV	99
34) CYCLOHEXANE	3.501	84	119974	5.008	PPBV	87
35) 1,2-DICHLOROPROPANE	3.698	63	111929	5.441	PPBV	97
36) BROMODICHLOROMETHANE	3.765	83	209295	4.755	PPBV	99
37) TRICHLOROETHENE	3.785	95	128823	4.854	PPBV	96
38) 1,4-DIOXANE	3.801	88	76021	5.517	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	106268	5.314	PPBV #	76
40) HEPTANE	3.918	57	88101	4.873	PPBV	86
41) MIBK	4.147	58	100057	5.242	PPBV #	82
42) CIS-1,3-DICHLOROPROPENE	4.111	75	164091	5.238	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

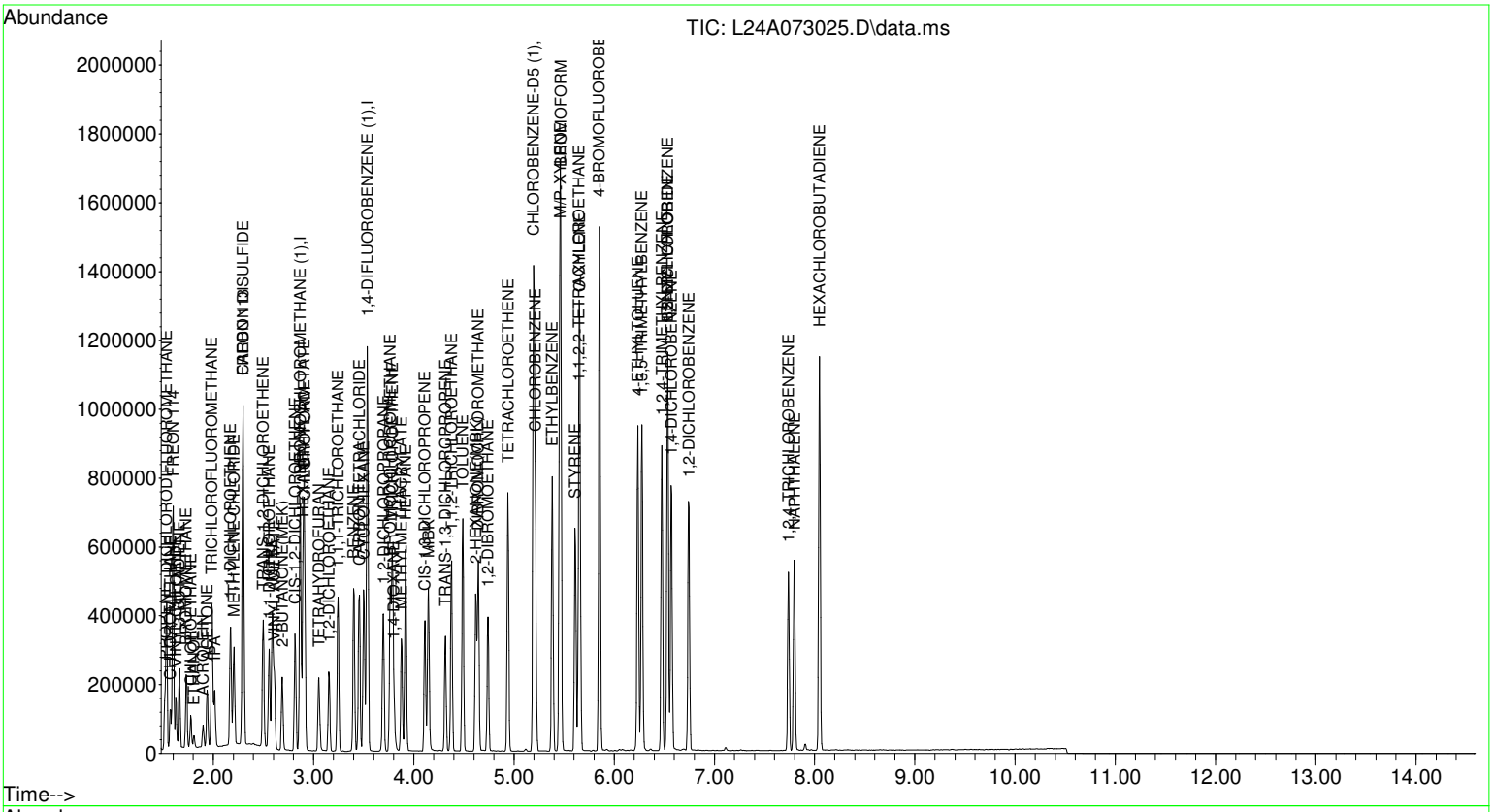
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

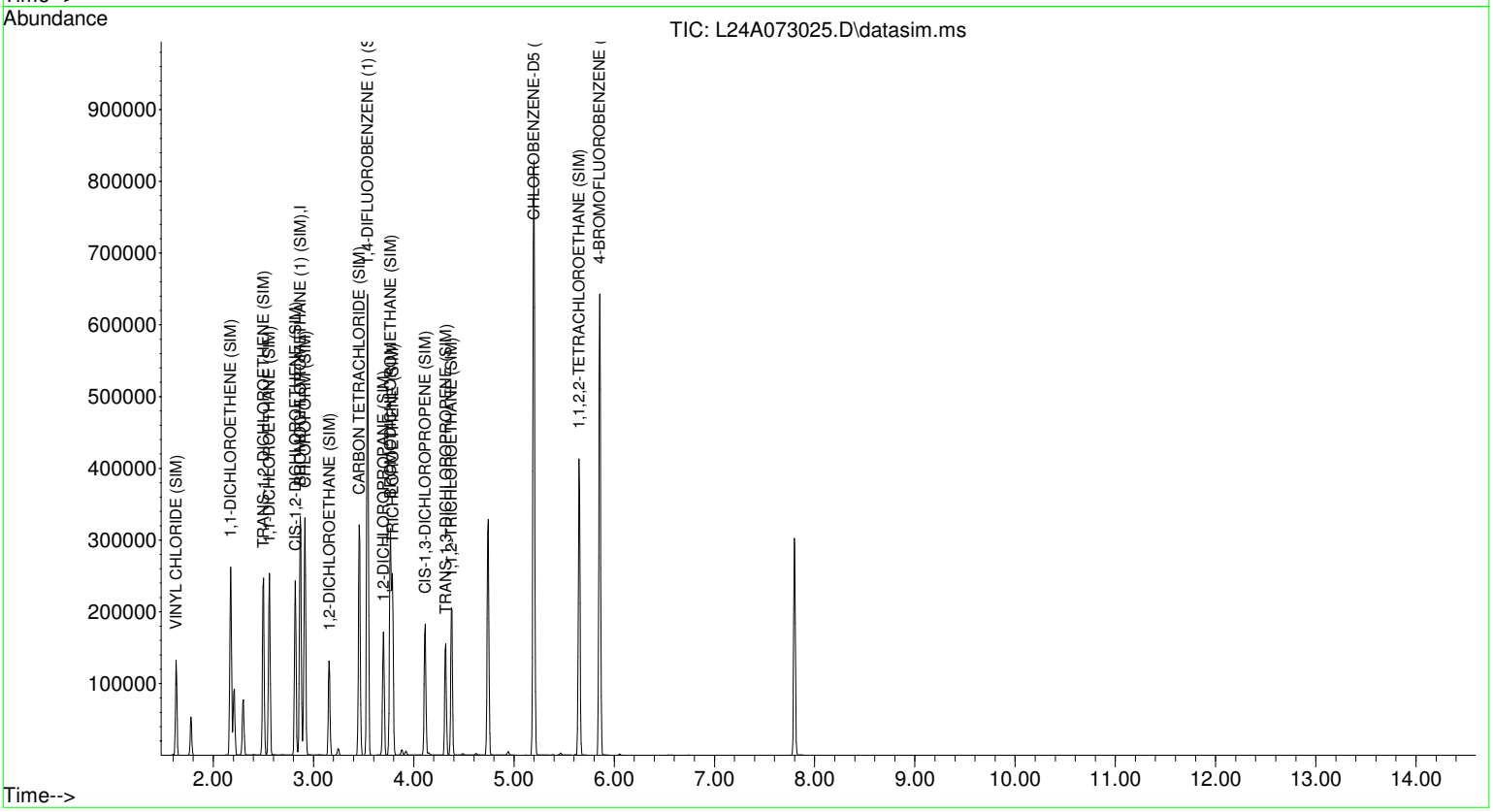
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	135851	4.878	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.377	97	124458	5.696	PPBV	97
46) TOLUENE	4.490	91	351918	5.314	PPBV	100
47) 2-HEXANONE(MBK)	4.618	43	201674	4.769	PPBV	95
48) DIBROMOCHLOROMETHANE	4.643	129	196439	4.933	PPBV	97
49) 1,2-DIBROMOETHANE	4.740	107	185443	5.177	PPBV	100
50) TETRACHLOROETHENE	4.940	166	148902	5.055	PPBV	99
51) CHLOROBENZENE	5.212	112	265447	5.211	PPBV	96
52) ETHYLBENZENE	5.381	91	432888	5.213	PPBV	99
53) M/P-XYLENE	5.461	91	725691	10.591	PPBV	97
54) BROMOFORM	5.466	173	164484	4.732	PPBV	98
55) STYRENE	5.609	104	251963	5.346	PPBV	93
56) O-XYLENE	5.657	91	362388	5.378	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.646	83	285538	5.918	PPBV	97
59) 4-ETHYLTOLUENE	6.236	105	466917	5.306	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.277	105	394524	5.298	PPBV	97
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	374352	5.195	PPBV	97
62) 1,3-DICHLOROBENZENE	6.532	146	255201	5.771	PPBV	98
63) BENZYL CHLORIDE	6.532	91	203170	4.417	PPBV	97
64) 1,4-DICHLOROBENZENE	6.568	146	238155	5.818	PPBV	97
65) 1,2-DICHLOROBENZENE	6.747	146	227396	5.169	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.737	180	116274	4.462	PPBV	97
67) NAPHTHALENE	7.799	128	327817	4.867	PPBV	98
68) HEXACHLOROBUTADIENE	8.049	225	145955	4.350	PPBV	99
70] VINYL CHLORIDE (SIM)	1.629	62	105217	5.535	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.172	61	158689	4.982	PPBV	90
72] TRANS-1,2-DICHLOROETHE...	2.501	61	144604	4.572	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	184251	4.756	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.819	61	133440	5.131	PPBV	89
75] CHLOROFORM (SIM)	2.915	83	217854	5.434	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	118876	4.481	PPBV	99
78] CARBON TETRACHLORIDE (...	3.456	117	205322	4.558	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	119773	5.470	PPBV	100
80] BROMODICHLOROMETHANE (...	3.768	83	224291	4.623	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	140695	4.950	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	173099	5.110	PPBV	98
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145662	4.583	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.375	97	134447	5.562	PPBV	98
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	301578	5.726	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

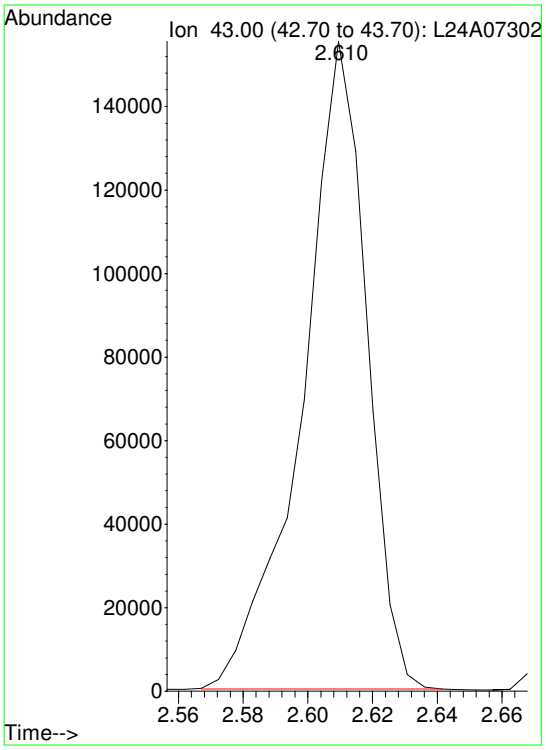




Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073025.D
Acq On : 13 Mar 2024 10:21 pm
Operator : CMR
Sample : 5.0PPBV LCS
Misc : CTWS-4167-2056 03/19

Quant Time : Fri Mar 15 11:07:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

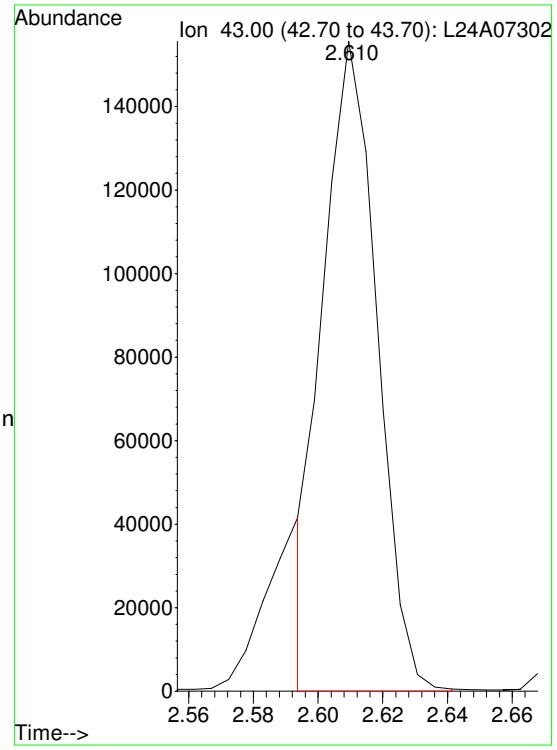
RT : 2.61
Area : 213093
Amount: 5.60859

Manual Int. Results

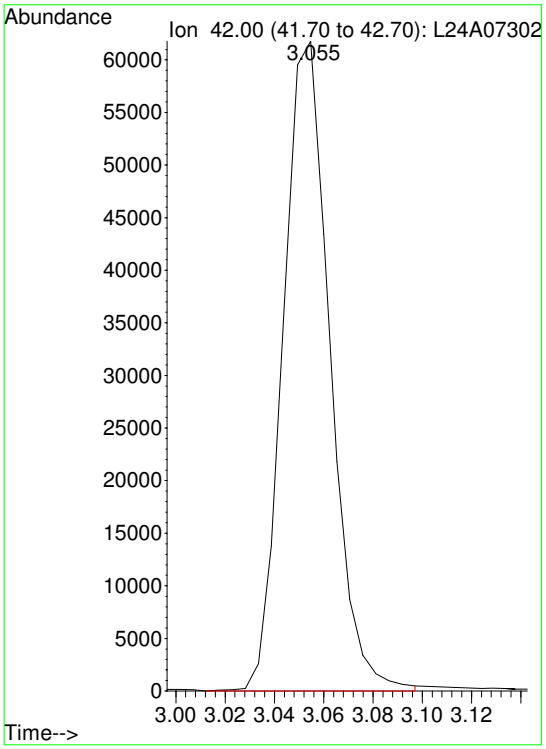
Fri Mar 15 11:07:22 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.61
Area : 181363
Amount: 4.77346

Manual Integration
VINYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

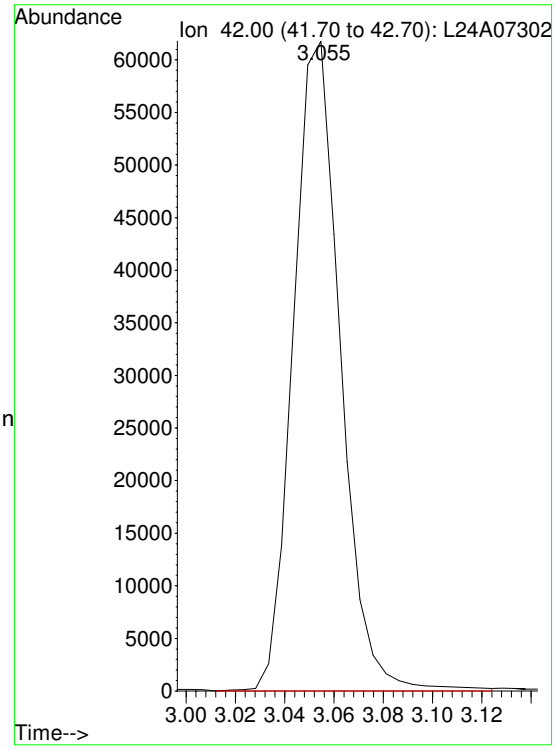
RT : 3.05
Area : 81430
Amount: 3.4424

Manual Int. Results

Fri Mar 15 11:07:34 2024

MIuser: TPH
Reason: Incorret Integration
RT : 3.05
Area : 101055
Amount: 4.27204

Manual Integration
TETRAHYDROFURAN



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		0.70	1.4	
71-43-2	Benzene		0.011	0.034	
100-44-7	Benzyl chloride		0.019	0.034	
75-27-4	Bromodichloromethane		0.014	0.034	
75-25-2	Bromoform		0.012	0.034	
74-83-9	Bromomethane		0.029	0.034	
106-99-0	1,3-Butadiene		0.029	0.034	
78-93-3	2-Butanone (MEK)		0.67	1.4	
75-15-0	Carbon Disulfide		0.066	0.34	
56-23-5	Carbon Tetrachloride		0.027	0.034	
108-90-7	Chlorobenzene		0.011	0.034	
75-00-3	Chloroethane		0.032	0.034	
67-66-3	Chloroform		0.017	0.034	
74-87-3	Chloromethane		0.046	0.069	
110-82-7	Cyclohexane		0.027	0.034	
124-48-1	Dibromochloromethane		0.023	0.034	
106-93-4	1,2-Dibromoethane (EDB)		0.021	0.034	
95-50-1	1,2-Dichlorobenzene		0.012	0.034	
541-73-1	1,3-Dichlorobenzene		0.013	0.034	
106-46-7	1,4-Dichlorobenzene		0.017	0.034	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.014	0.034	
75-34-3	1,1-Dichloroethane		0.017	0.034	
107-06-2	1,2-Dichloroethane		0.013	0.034	
75-35-4	1,1-Dichloroethylene		0.024	0.034	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.034	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.034	
78-87-5	1,2-Dichloropropane		0.026	0.034	
10061-01-5	cis-1,3-Dichloropropene		0.017	0.034	
10061-02-6	trans-1,3-Dichloropropene		0.033	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.034	
123-91-1	1,4-Dioxane		0.17	0.34	
64-17-5	Ethanol		0.91	1.4	
141-78-6	Ethyl Acetate		0.14	0.34	
100-41-4	Ethylbenzene		0.012	0.034	
622-96-8	4-Ethyltoluene		0.015	0.034	
142-82-5	Heptane		0.022	0.034	
87-68-3	Hexachlorobutadiene		0.020	0.034	
110-54-3	Hexane		0.72	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.034	
67-63-0	Isopropanol		0.72	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.034	
75-09-2	Methylene Chloride		0.093	0.34	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.034	
91-20-3	Naphthalene		0.028	0.034	
115-07-1	Propene		0.76	1.4	
100-42-5	Styrene		0.027	0.034	
79-34-5	1,1,2,2-Tetrachloroethane		0.0085	0.034	
127-18-4	Tetrachloroethylene		0.030	0.034	
109-99-9	Tetrahydrofuran		0.13	0.34	
108-88-3	Toluene		0.017	0.034	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.034	
71-55-6	1,1,1-Trichloroethane		0.011	0.034	
79-00-5	1,1,2-Trichloroethane		0.012	0.034	
79-01-6	Trichloroethylene		0.026	0.034	
75-69-4	Trichlorofluoromethane (Freon 11)		0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0094	0.14	
95-63-6	1,2,4-Trimethylbenzene		0.021	0.034	
108-67-8	1,3,5-Trimethylbenzene		0.026	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-05-4	Vinyl Acetate		0.14	0.69	
75-01-4	Vinyl Chloride		0.018	0.034	
179601-23-1	m&p-Xylene		0.024	0.069	
95-47-6	o-Xylene		0.013	0.034	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

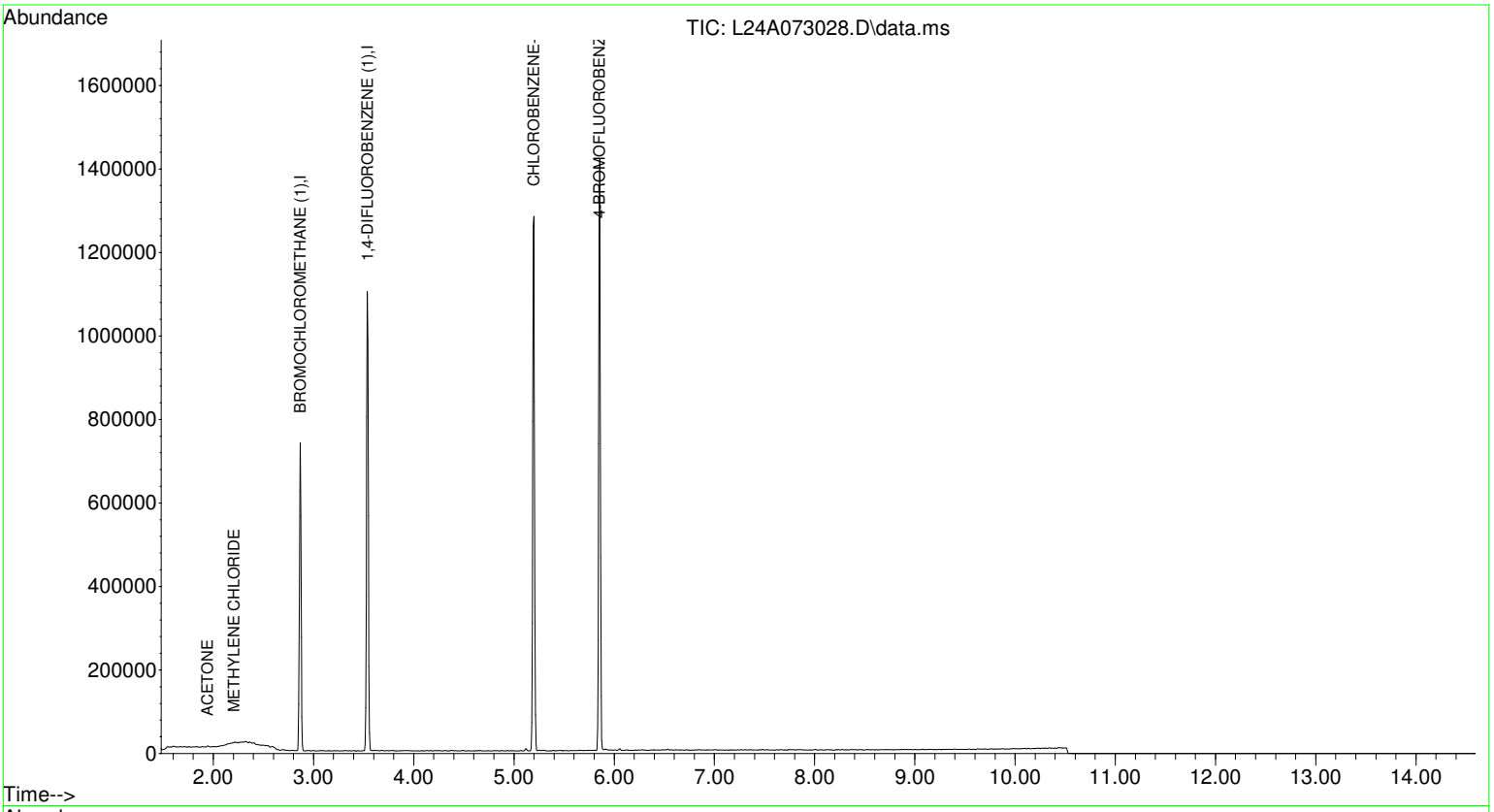
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

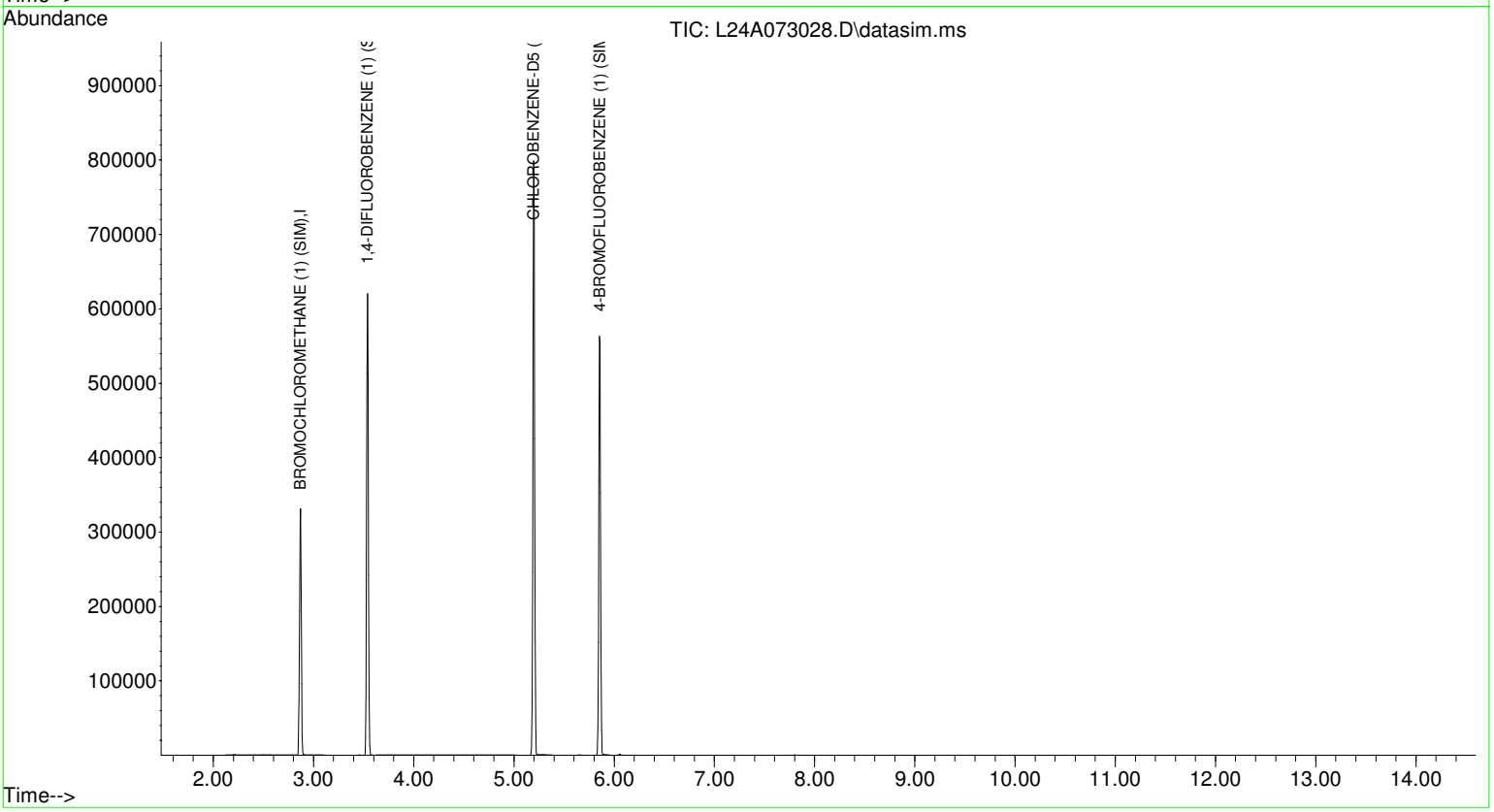
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.868	49	207505	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.536	114	595987	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.198	117	544815	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.866	49	227549	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.539	114	638847	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.196	117	600871	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	273048	7.281	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 91.00%			
87) 4-BROMOFLUOROBENZENE (...	5.857	174	286715	7.453	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.13%			
Target Compounds						Qvalue
11) ACETONE	1.943	43	956	0.033	PPBV	83
15) METHYLENE CHLORIDE	2.206	49	586	0.026	PPBV #	47

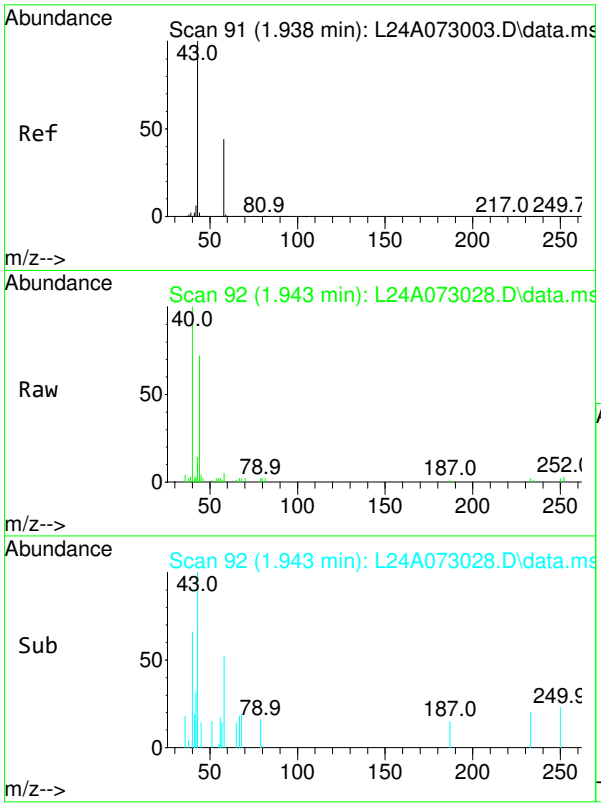
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



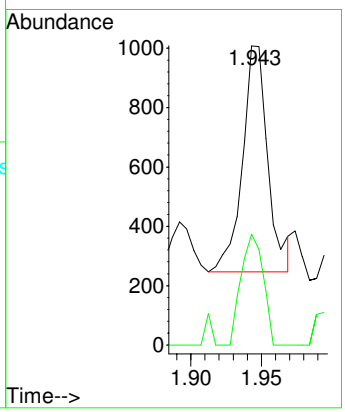


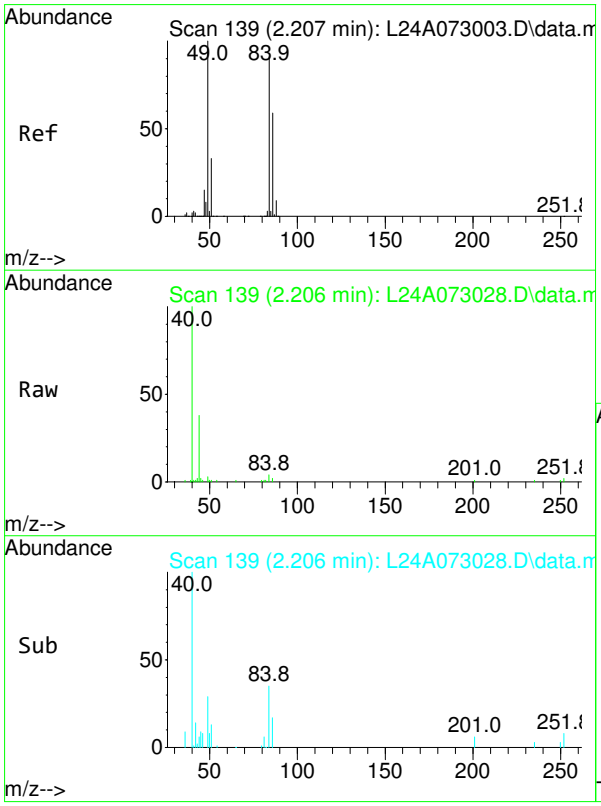


#11
ACETONE
Concen: 0.03 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 43 Resp: 956

Ion	Ratio	Lower	Upper
43	100		
58	42.9	13.1	53.1

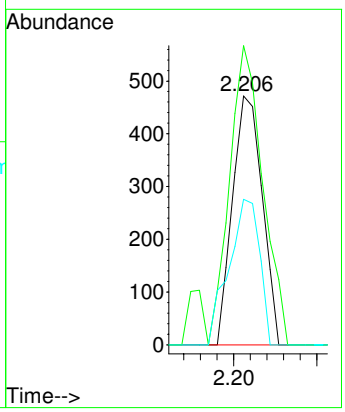




#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 49 Resp: 586

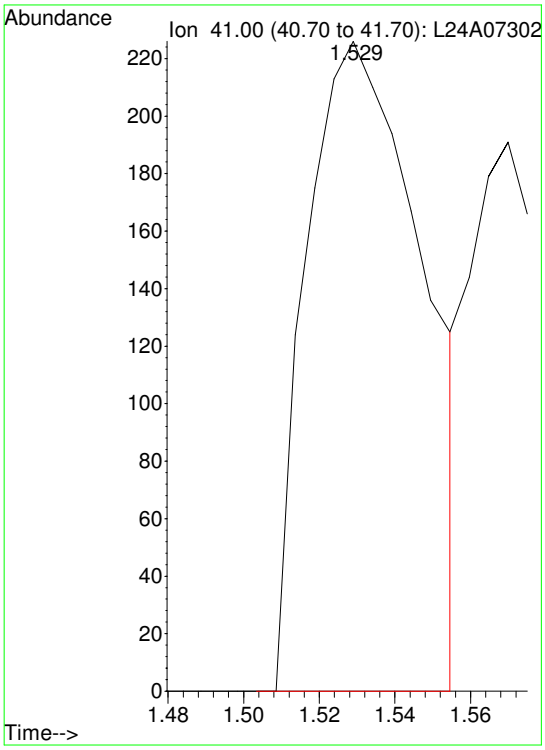
Ion	Ratio	Lower	Upper
49	100		
84	134.6	52.0	92.0#
86	60.4	27.3	67.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

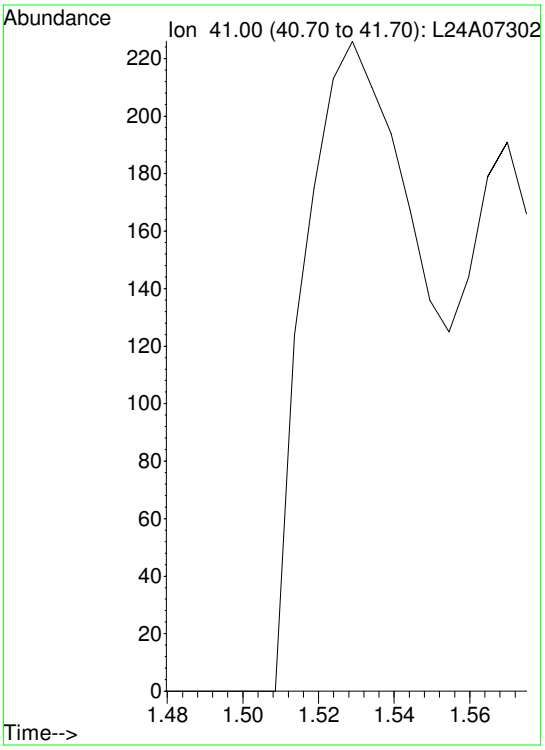
RT : 1.53
Area : 481
Amount: 0.0455044

Manual Int. Results

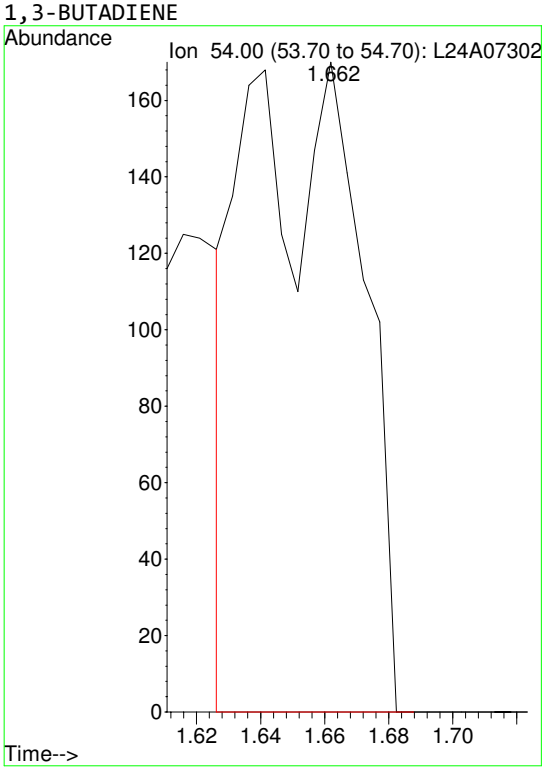
Fri Mar 15 11:09:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

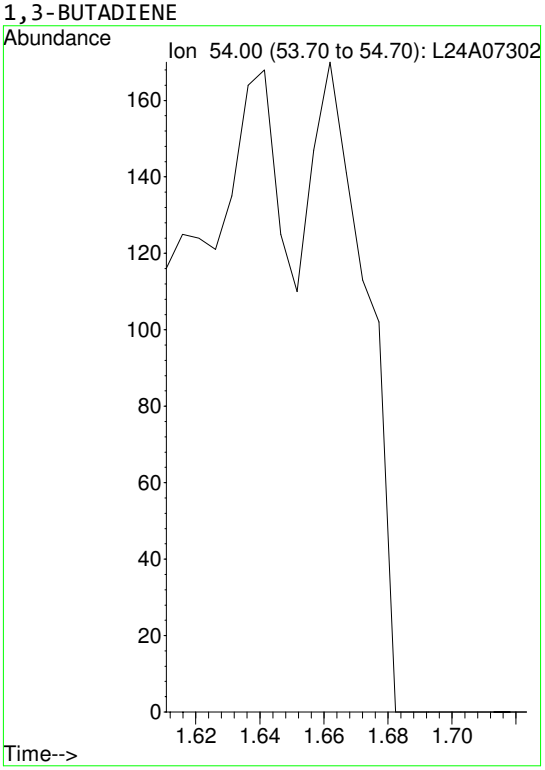
RT : 1.66
Area : 422
Amount: 0.0295192

Manual Int. Results

Fri Mar 15 11:09:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

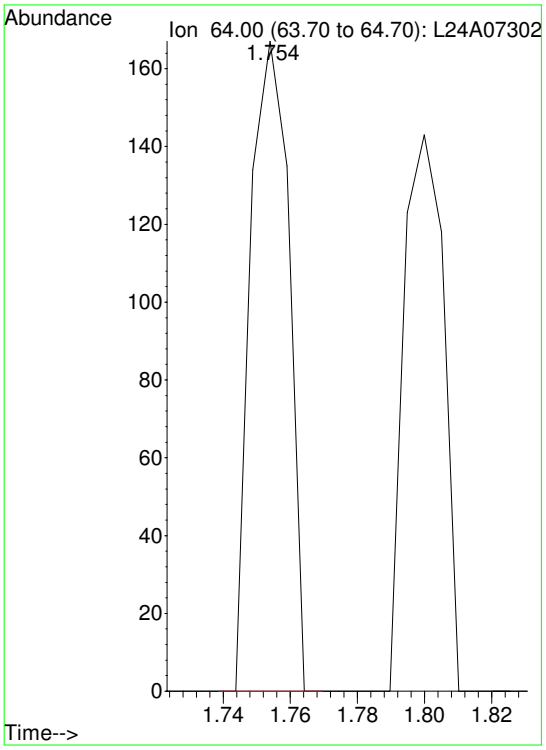
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

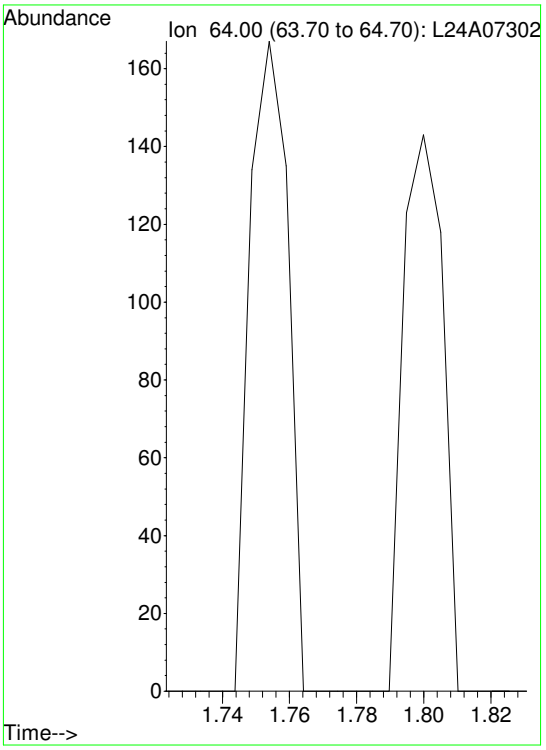
RT : 1.75
Area : 134
Amount: 0.0125468

Manual Int. Results

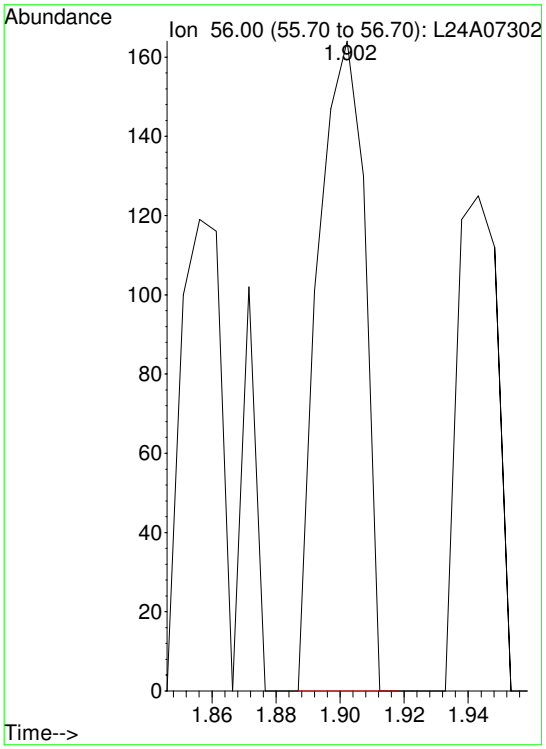
Fri Mar 15 11:09:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

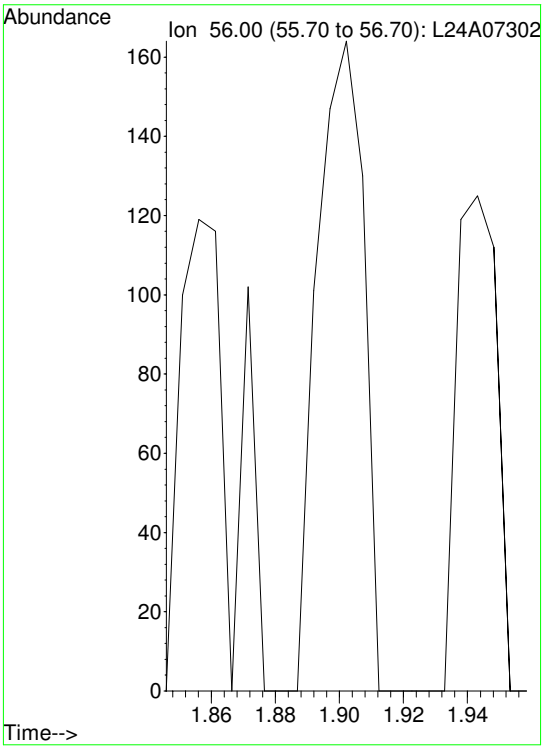
RT : 1.90
Area : 166
Amount: 0.0201583

Manual Int. Results

Fri Mar 15 11:09:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

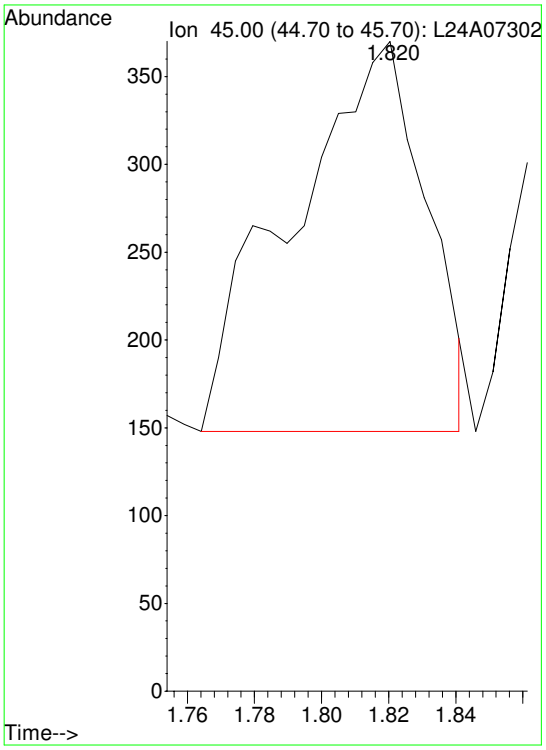
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
ETHANOL



Original Int. Results

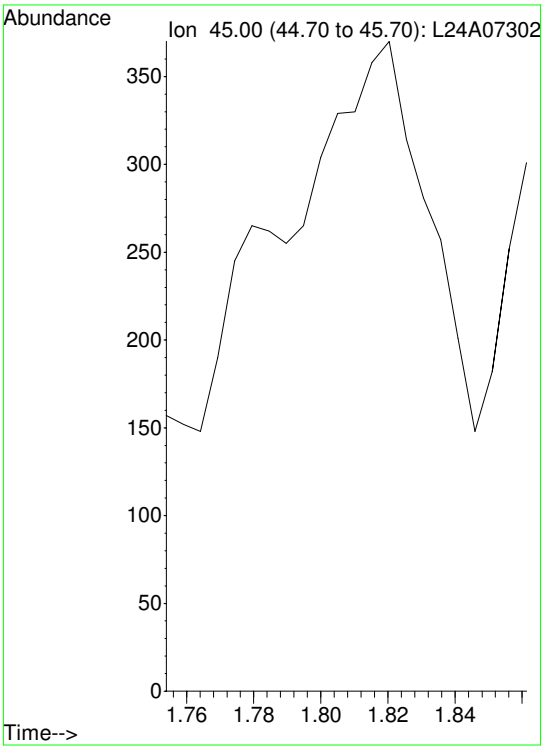
RT : 1.82
Area : 615
Amount: 0.136863

Manual Int. Results

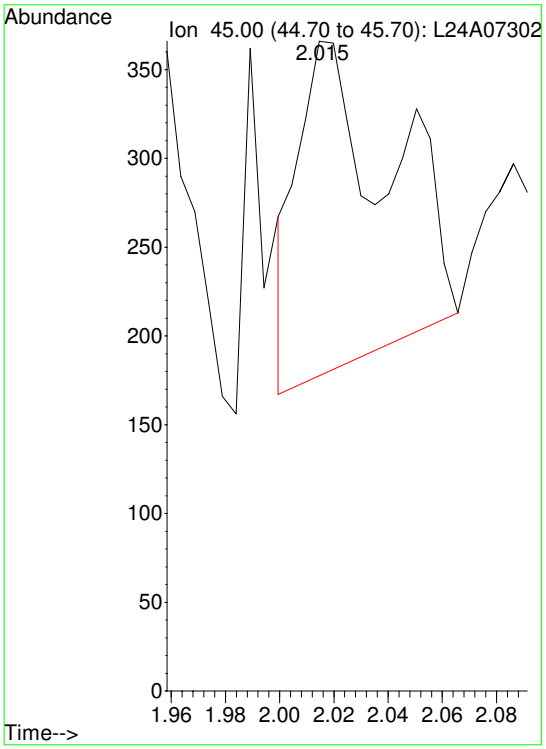
Fri Mar 15 11:08:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
IPA



Original Int. Results

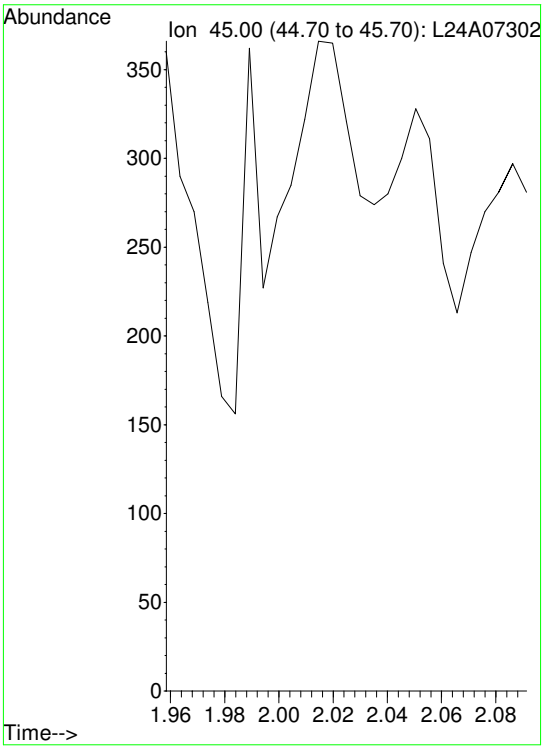
RT : 2.01
Area : 434
Amount: 0.0141714

Manual Int. Results

Fri Mar 15 11:08:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

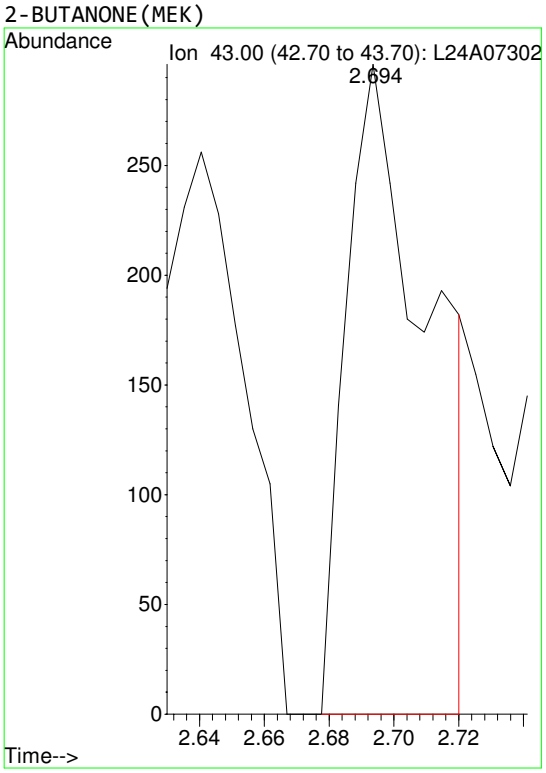
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

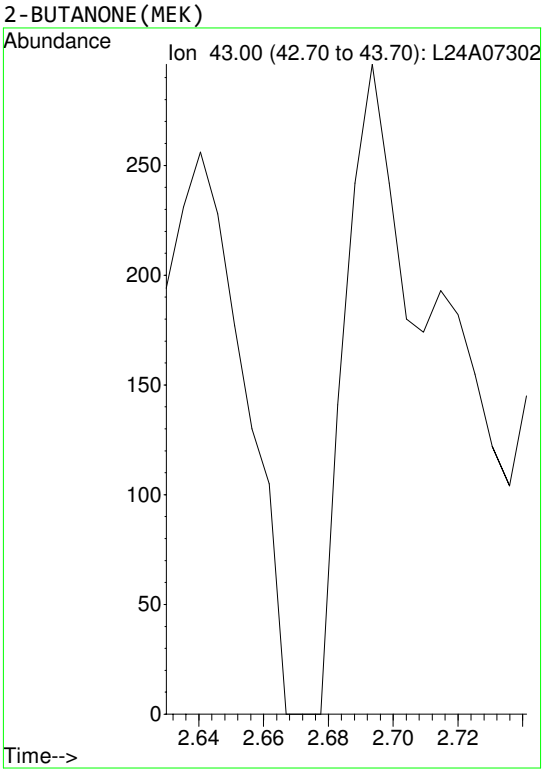
RT : 2.69
Area : 524
Amount: 0.0146221

Manual Int. Results

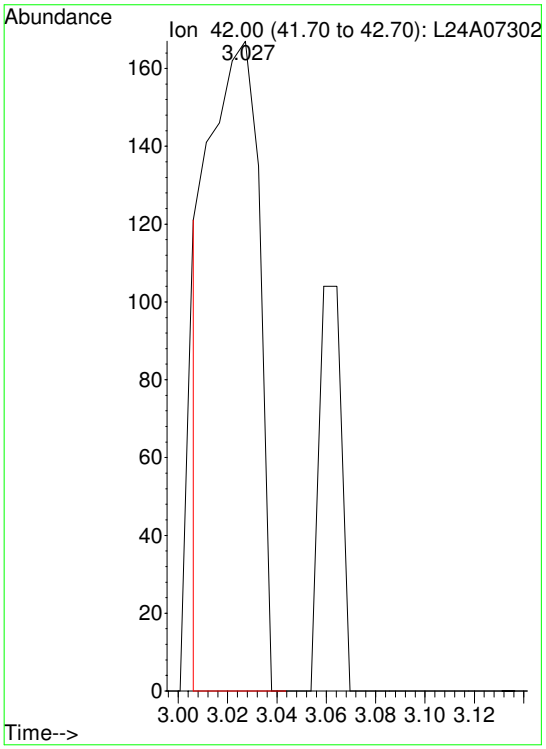
Fri Mar 15 11:08:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
TETRAHYDROFURAN



Original Int. Results

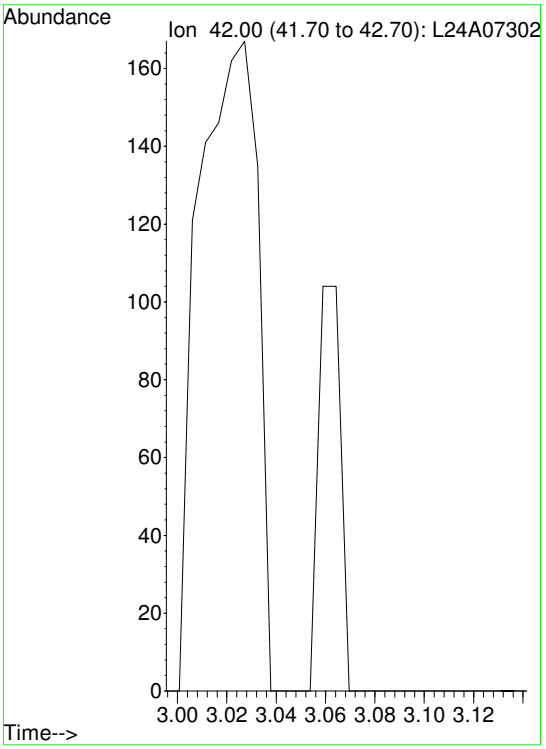
RT : 3.03
Area : 239
Amount: 0.0101122

Manual Int. Results

Fri Mar 15 11:08:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

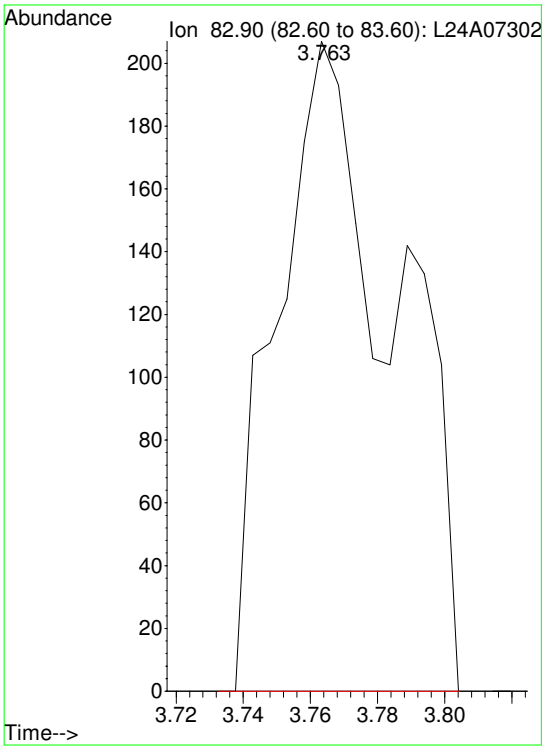
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE



Original Int. Results

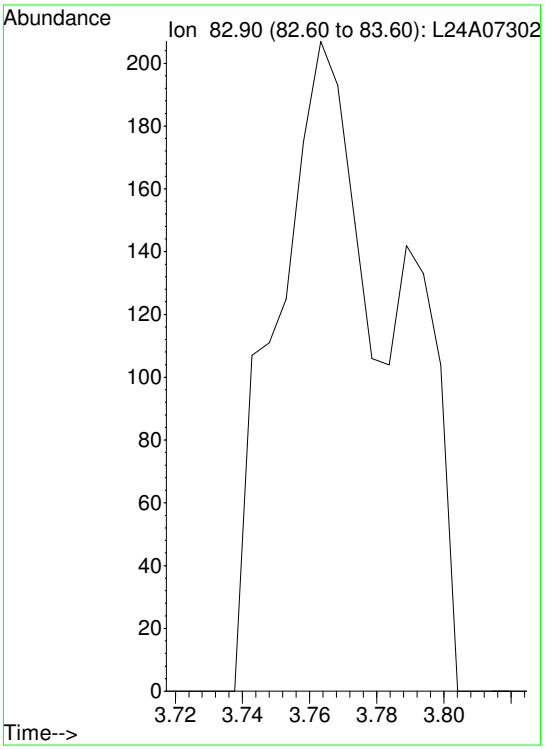
RT : 3.76
Area : 508
Amount: 0.0122488

Manual Int. Results

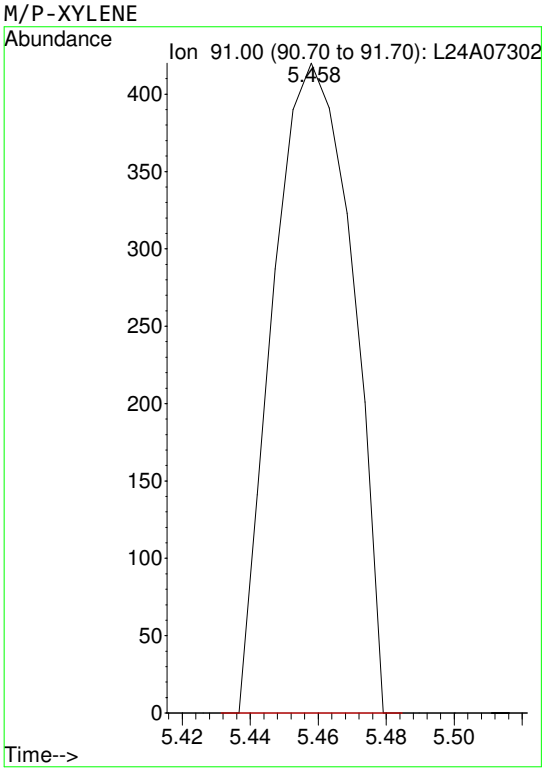
Fri Mar 15 11:08:40 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE



Original Integration
M/P-XYLENE



Original Int. Results

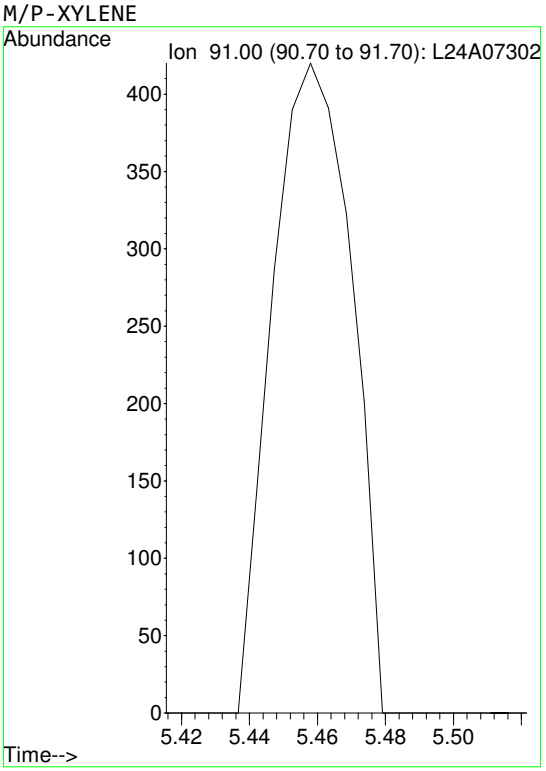
RT : 5.46
Area : 684
Amount: 0.0103421

Manual Int. Results

Fri Mar 15 11:08:34 2024

MIuser: TPH
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.92			
71-43-2	Benzene	5.13			
100-44-7	Benzyl chloride	4.42			
75-27-4	Bromodichloromethane	4.76			
75-25-2	Bromoform	4.73			
74-83-9	Bromomethane	5.42			
106-99-0	1,3-Butadiene	4.93			
78-93-3	2-Butanone (MEK)	4.40			
75-15-0	Carbon Disulfide	5.46			
56-23-5	Carbon Tetrachloride	4.64			
108-90-7	Chlorobenzene	5.21			
75-00-3	Chloroethane	4.96			
67-66-3	Chloroform	5.39			
74-87-3	Chloromethane	4.75			
110-82-7	Cyclohexane	5.01			
124-48-1	Dibromochloromethane	4.93			
106-93-4	1,2-Dibromoethane (EDB)	5.18			
95-50-1	1,2-Dichlorobenzene	5.17			
541-73-1	1,3-Dichlorobenzene	5.77			
106-46-7	1,4-Dichlorobenzene	5.82			
75-71-8	Dichlorodifluoromethane (Freon 12)	5.04			
75-34-3	1,1-Dichloroethane	4.66			
107-06-2	1,2-Dichloroethane	4.41			
75-35-4	1,1-Dichloroethylene	4.99			
156-59-2	cis-1,2-Dichloroethylene	5.14			
156-60-5	trans-1,2-Dichloroethylene	4.47			
78-87-5	1,2-Dichloropropane	5.44			
10061-01-5	cis-1,3-Dichloropropene	5.24			
10061-02-6	trans-1,3-Dichloropropene	4.88			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	4.88			
123-91-1	1,4-Dioxane	5.52			
64-17-5	Ethanol	5.16			
141-78-6	Ethyl Acetate	3.99			
100-41-4	Ethylbenzene	5.21			
622-96-8	4-Ethyltoluene	5.31			
142-82-5	Heptane	4.87			
87-68-3	Hexachlorobutadiene	4.35			
110-54-3	Hexane	4.11			
591-78-6	2-Hexanone (MBK)	4.77			
67-63-0	Isopropanol	4.54			
1634-04-4	Methyl tert-Butyl Ether (MTBE)	4.56			
75-09-2	Methylene Chloride	4.43			
108-10-1	4-Methyl-2-pentanone (MIBK)	5.24			
91-20-3	Naphthalene	4.87			
115-07-1	Propene	5.05			
100-42-5	Styrene	5.35			
79-34-5	1,1,2,2-Tetrachloroethane	5.92			
127-18-4	Tetrachloroethylene	5.06			
109-99-9	Tetrahydrofuran	4.27			
108-88-3	Toluene	5.31			
120-82-1	1,2,4-Trichlorobenzene	4.46			
71-55-6	1,1,1-Trichloroethane	4.42			
79-00-5	1,1,2-Trichloroethane	5.70			
79-01-6	Trichloroethylene	4.85			
75-69-4	Trichlorofluoromethane (Freon 11)	4.76			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	5.24			
95-63-6	1,2,4-Trimethylbenzene	5.20			
108-67-8	1,3,5-Trimethylbenzene	5.30			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-05-4	Vinyl Acetate	4.77			
75-01-4	Vinyl Chloride	5.26			
179601-23-1	m&p-Xylene	10.6			
95-47-6	o-Xylene	5.38			

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	207683	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	632479	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	564467	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227114	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	675850	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	620321	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	297884	7.667	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.88%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	313799	7.902	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 98.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	53396	5.047	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.534	85	231170	5.036	PPBV	99
4) CHLOROMETHANE	1.570	50	75237	4.750	PPBV	96
5) FREON 114	1.601	85	226338	4.885	PPBV	96
6) VINYL CHLORIDE	1.626	62	97039	5.260	PPBV	100
7) 1,3-BUTADIENE	1.662	54	70566	4.932	PPBV	94
8) BROMOMETHANE	1.729	94	88837	5.424	PPBV	99
9) CHLOROETHANE	1.775	64	52983	4.957	PPBV	98
10) ACROLEIN	1.897	56	35769	4.340	PPBV	98
11) ACETONE	1.938	43	114094	3.916	PPBV	84
12) TRICHLOROFLUOROMETHANE	1.984	101	224350	4.757	PPBV	98
13) ETHANOL	1.805	45	23229	5.165	PPBV	100
14) 1,1-DICHLOROETHENE	2.169	61	146040	4.991	PPBV	91
15) METHYLENE CHLORIDE	2.207	49	100268	4.431	PPBV	83
16) FREON 113	2.297	101	195234	5.235	PPBV	95
17) CARBON DISULFIDE	2.297	76	292303	5.456	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	131018	4.473	PPBV	87
19) 1,1-DICHLOROETHANE	2.556	63	168457	4.659	PPBV	98
20) MTBE	2.588	73	251984	4.555	PPBV	97
21) IPA	2.015	45	139263	4.543	PPBV	96
22) 2-BUTANONE(MEK)	2.689	43	157746	4.398	PPBV	86
23) CIS-1,2-DICHLOROETHENE	2.816	61	121194	5.136	PPBV	86
24) VINYL ACETATE	2.610	43	181363m	4.773	PPBV	
25) HEXANE	2.896	41	79350	4.107	PPBV	80
26) ETHYL ACETATE	2.906	45	24740	3.987	PPBV	82
27) CHLOROFORM	2.912	83	201380	5.389	PPBV	99
28) TETRAHYDROFURAN	3.055	42	101055m	4.272	PPBV	
29) 1,2-DICHLOROETHANE	3.153	62	111805	4.407	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	177570	4.425	PPBV	96
32) BENZENE	3.400	78	294178	5.129	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	187503	4.641	PPBV	99
34) CYCLOHEXANE	3.501	84	119974	5.008	PPBV	87
35) 1,2-DICHLOROPROPANE	3.698	63	111929	5.441	PPBV	97
36) BROMODICHLOROMETHANE	3.765	83	209295	4.755	PPBV	99
37) TRICHLOROETHENE	3.785	95	128823	4.854	PPBV	96
38) 1,4-DIOXANE	3.801	88	76021	5.517	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	106268	5.314	PPBV #	76
40) HEPTANE	3.918	57	88101	4.873	PPBV	86
41) MIBK	4.147	58	100057	5.242	PPBV #	82
42) CIS-1,3-DICHLOROPROPENE	4.111	75	164091	5.238	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

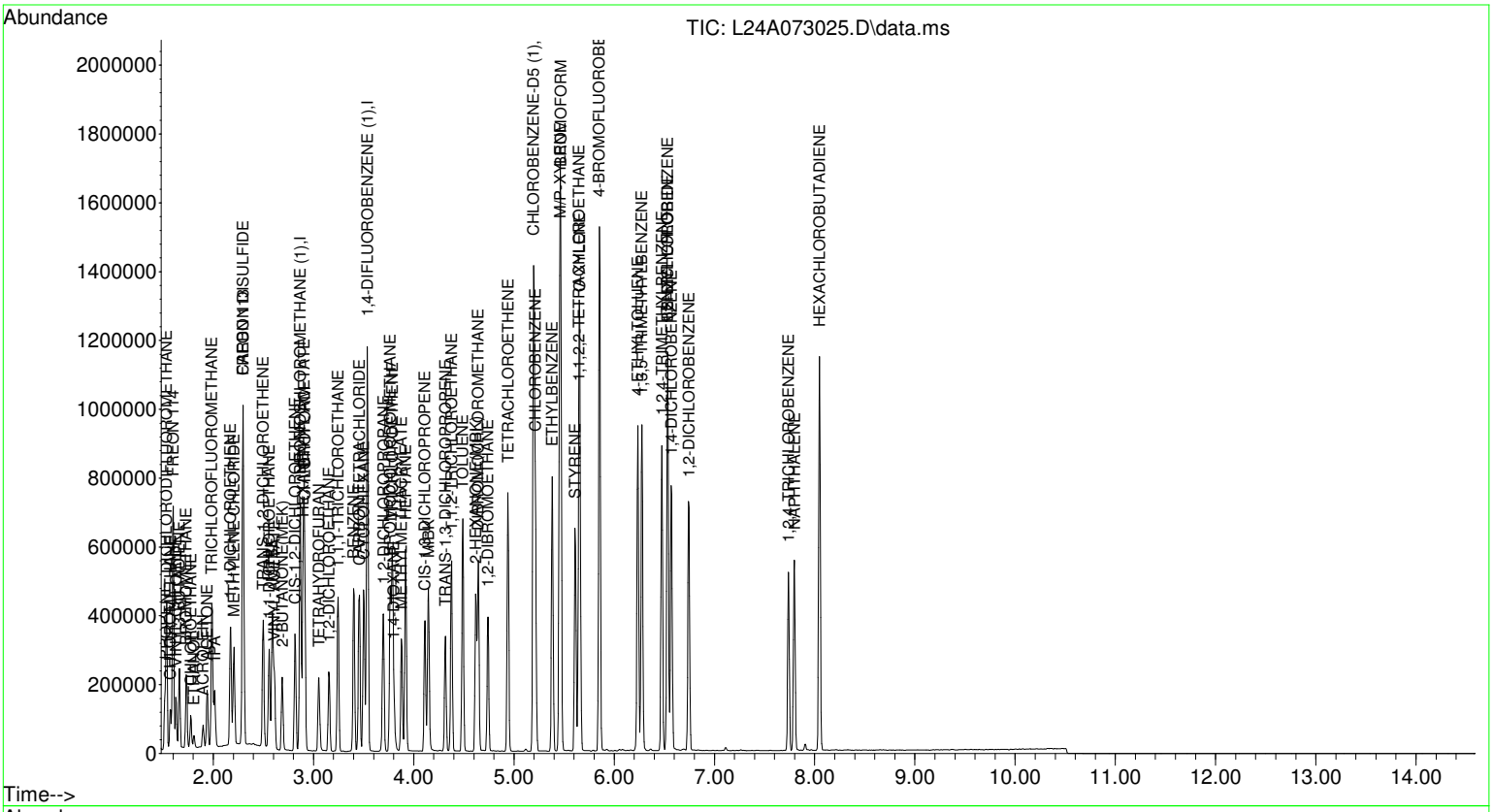
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

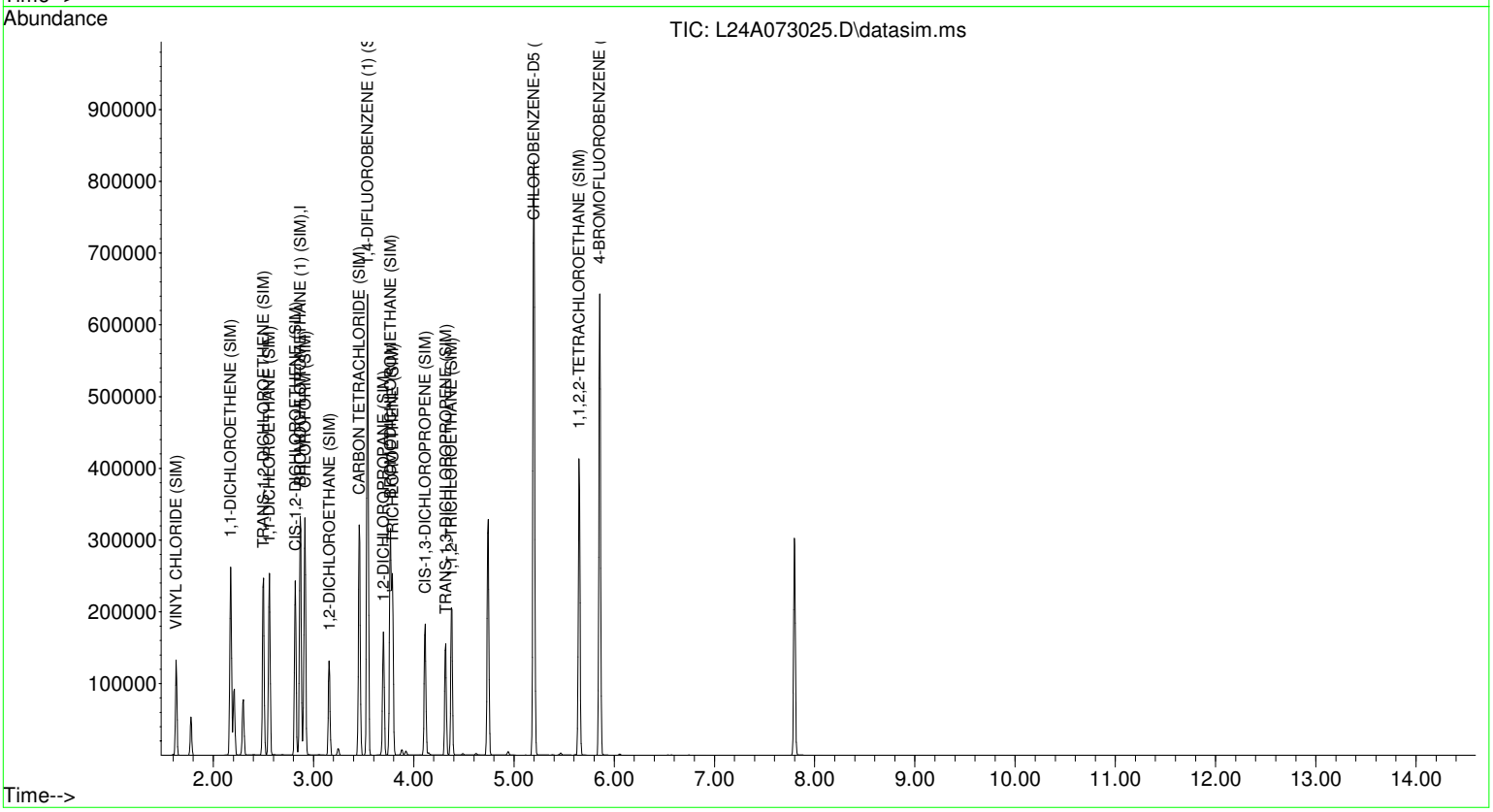
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	135851	4.878	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.377	97	124458	5.696	PPBV	97
46) TOLUENE	4.490	91	351918	5.314	PPBV	100
47) 2-HEXANONE(MBK)	4.618	43	201674	4.769	PPBV	95
48) DIBROMOCHLOROMETHANE	4.643	129	196439	4.933	PPBV	97
49) 1,2-DIBROMOETHANE	4.740	107	185443	5.177	PPBV	100
50) TETRACHLOROETHENE	4.940	166	148902	5.055	PPBV	99
51) CHLOROBENZENE	5.212	112	265447	5.211	PPBV	96
52) ETHYLBENZENE	5.381	91	432888	5.213	PPBV	99
53) M/P-XYLENE	5.461	91	725691	10.591	PPBV	97
54) BROMOFORM	5.466	173	164484	4.732	PPBV	98
55) STYRENE	5.609	104	251963	5.346	PPBV	93
56) O-XYLENE	5.657	91	362388	5.378	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.646	83	285538	5.918	PPBV	97
59) 4-ETHYLTOLUENE	6.236	105	466917	5.306	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.277	105	394524	5.298	PPBV	97
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	374352	5.195	PPBV	97
62) 1,3-DICHLOROBENZENE	6.532	146	255201	5.771	PPBV	98
63) BENZYL CHLORIDE	6.532	91	203170	4.417	PPBV	97
64) 1,4-DICHLOROBENZENE	6.568	146	238155	5.818	PPBV	97
65) 1,2-DICHLOROBENZENE	6.747	146	227396	5.169	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.737	180	116274	4.462	PPBV	97
67) NAPHTHALENE	7.799	128	327817	4.867	PPBV	98
68) HEXACHLOROBUTADIENE	8.049	225	145955	4.350	PPBV	99
70] VINYL CHLORIDE (SIM)	1.629	62	105217	5.535	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.172	61	158689	4.982	PPBV	90
72] TRANS-1,2-DICHLOROETHE...	2.501	61	144604	4.572	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	184251	4.756	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.819	61	133440	5.131	PPBV	89
75] CHLOROFORM (SIM)	2.915	83	217854	5.434	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	118876	4.481	PPBV	99
78] CARBON TETRACHLORIDE (...	3.456	117	205322	4.558	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	119773	5.470	PPBV	100
80] BROMODICHLOROMETHANE (...	3.768	83	224291	4.623	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	140695	4.950	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	173099	5.110	PPBV	98
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145662	4.583	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.375	97	134447	5.562	PPBV	98
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	301578	5.726	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

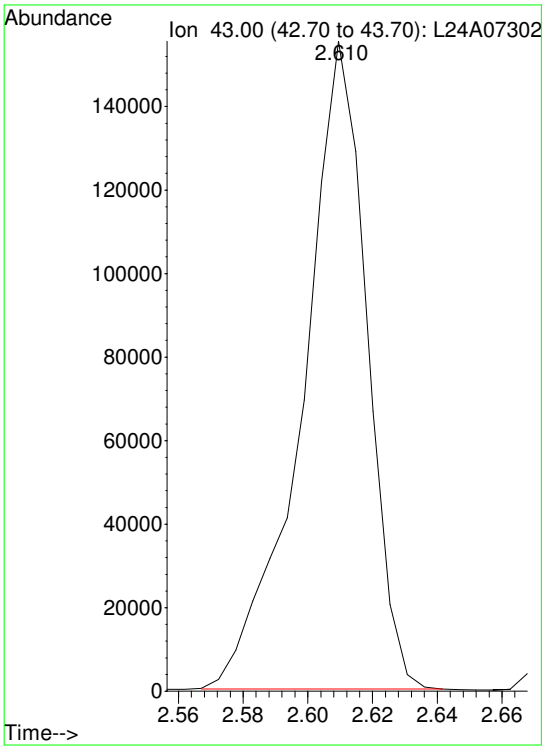




Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073025.D
Acq On : 13 Mar 2024 10:21 pm
Operator : CMR
Sample : 5.0PPBV LCS
Misc : CTWS-4167-2056 03/19

Quant Time : Fri Mar 15 11:07:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

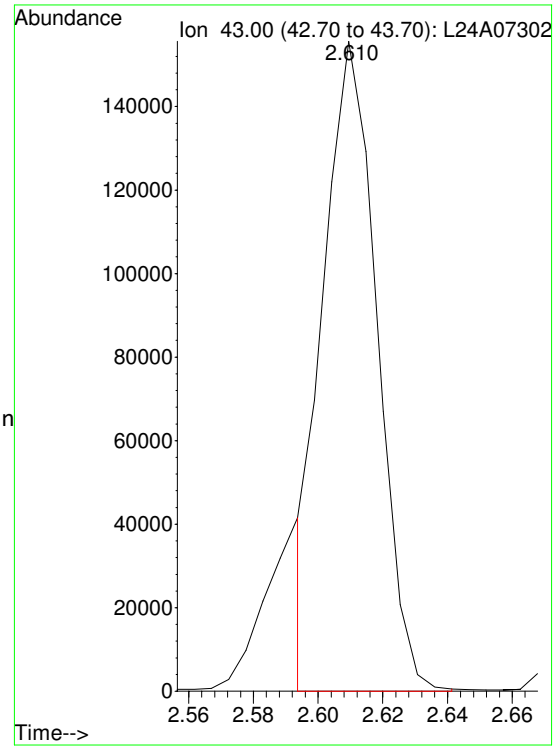
RT : 2.61
Area : 213093
Amount: 5.60859

Manual Int. Results

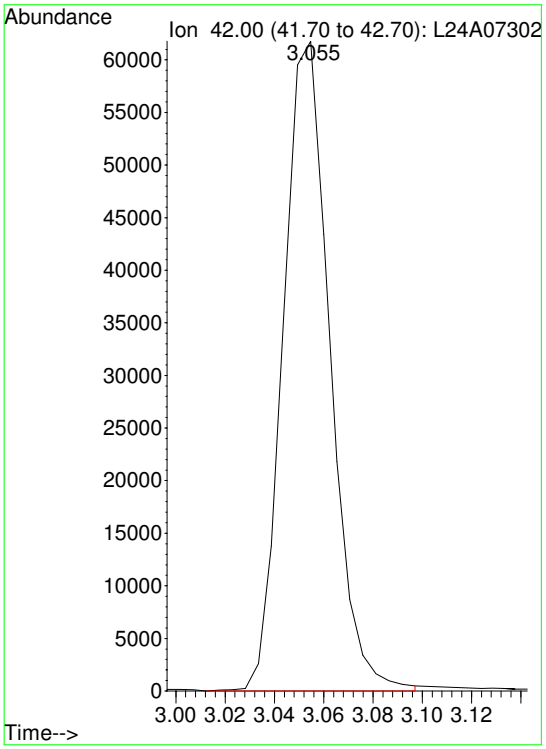
Fri Mar 15 11:07:22 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.61
Area : 181363
Amount: 4.77346

Manual Integration
VINYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

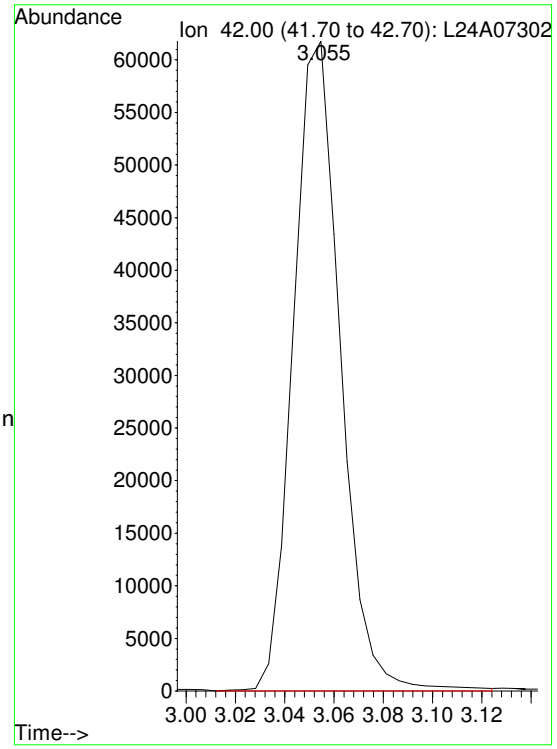
RT : 3.05
Area : 81430
Amount: 3.4424

Manual Int. Results

Fri Mar 15 11:07:34 2024

MIuser: TPH
Reason: Incorret Integration
RT : 3.05
Area : 101055
Amount: 4.27204

Manual Integration
TETRAHYDROFURAN



1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-DUP1	File ID:	L24A073036.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:59
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	8.5	2.0	4.0	
71-43-2	Benzene	0.052	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	6.8	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.35	0.042	0.10	R-04
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-DUP1	File ID:	L24A073036.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:59
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	9.2	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.12	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.12	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.060	0.050	0.10	J
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	0.24	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.26	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.090	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-DUP1	File ID:	L24A073036.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:59
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-05-4	Vinyl Acetate		0.41	2.0	
75-01-4	Vinyl Chloride		0.051	0.10	
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073036.D Vial: 31
Acq On : 14 Mar 2024 03:59 am Operator: CMR
Sample : 24C0251-10DUP 2X Inst : SYSL
Misc : 1.5,1,200,150,2XDUP Multiplr: 1.00
Quant Time: Mar 14 15:39:08 2024

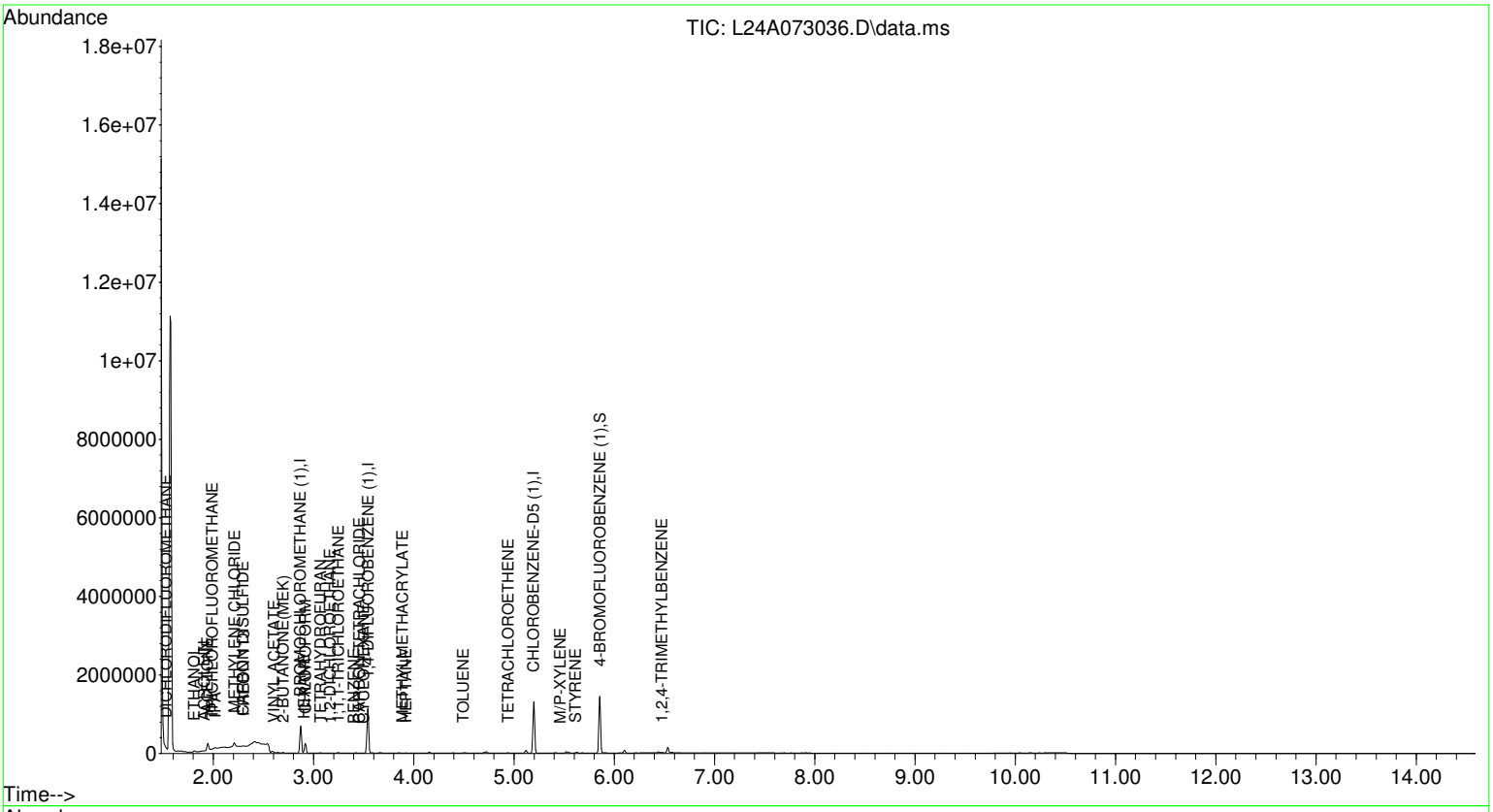
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073036.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

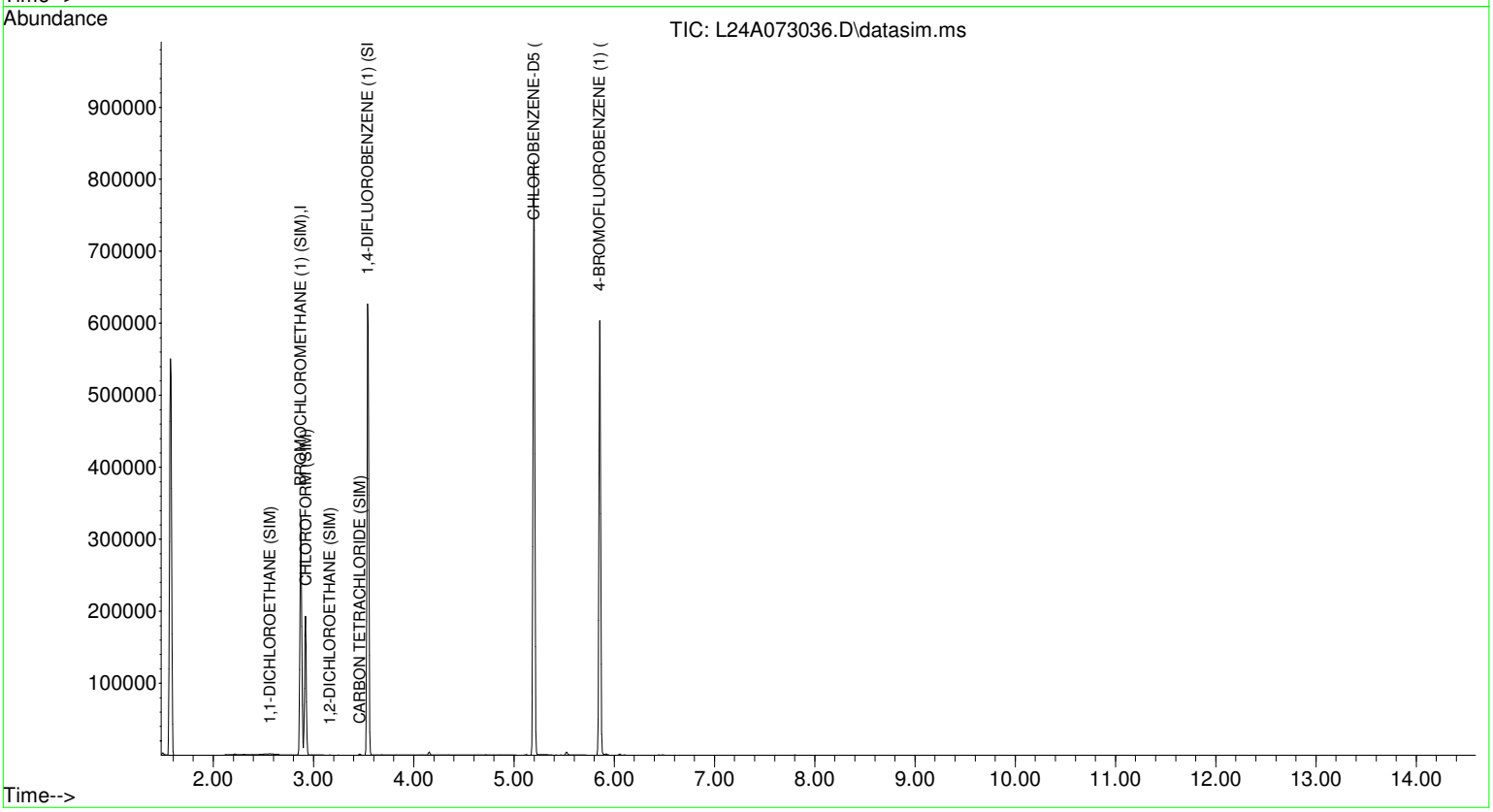
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	208764	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	629868	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.194	117	563581	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	229717	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	665972	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	627934	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	286315	7.381	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.25%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	304685	7.579	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.75%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	8138	0.176	PPBV	84
10) ACROLEIN	1.908	56	1569	0.189	PPBV #	54
11) ACETONE	1.944	43	125157	4.274	PPBV	78
12) TRICHLOROFLUOROMETHANE	1.990	101	6140	0.130	PPBV	98
13) ETHANOL	1.811	45	20702	4.579	PPBV	94
15) METHYLENE CHLORIDE	2.212	49	1115	0.049	PPBV	94
16) FREON 113	2.302	101	1686	0.045	PPBV	78
17) CARBON DISULFIDE	2.297	76	566	0.011	PPBV #	71
21) IPA	2.020	45	26370	0.856	PPBV	99
22) 2-BUTANONE(MEK)	2.694	43	13484	0.374	PPBV	90
24) VINYL ACETATE	2.604	43	6074	0.159	PPBV	78
25) HEXANE	2.906	41	1353	0.070	PPBV #	37
27) CHLOROFORM	2.917	83	128327	3.417	PPBV	98
28) TETRAHYDROFURAN	3.071	42	3625	0.152	PPBV #	23
29) 1,2-DICHLOROETHANE	3.163	62	467	0.018	PPBV #	81
31) 1,1,1-TRICHLOROETHANE	3.250	97	4791	0.120	PPBV	97
32) BENZENE	3.405	78	1490	0.026	PPBV	76
33) CARBON TETRACHLORIDE	3.458	117	849	0.021	PPBV	92
34) CYCLOHEXANE	3.500	84	636	0.027	PPBV	98
39) METHYLMETHACRYLATE	3.887	69	1092	0.055	PPBV #	48
40) HEPTANE	3.923	57	1123	0.062	PPBV #	61
46) TOLUENE	4.494	91	1971	0.030	PPBV	91
50) TETRACHLOROETHENE	4.939	166	1810	0.062	PPBV	98
53) M/P-XYLENE	5.459	91	839	0.012	PPBV	84
55) STYRENE	5.613	104	1467	0.031	PPBV	76
61) 1,2,4-TRIMETHYLBENZENE	6.474	105	1086	0.015	PPBV #	80
73] 1,1-DICHLOROETHANE (SIM)	2.565	63	486	0.012	PPBV #	3
75] CHLOROFORM (SIM)	2.920	83	136577	3.368	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	410	0.015	PPBV	97
78] CARBON TETRACHLORIDE (...	3.461	117	955	0.022	PPBV	99

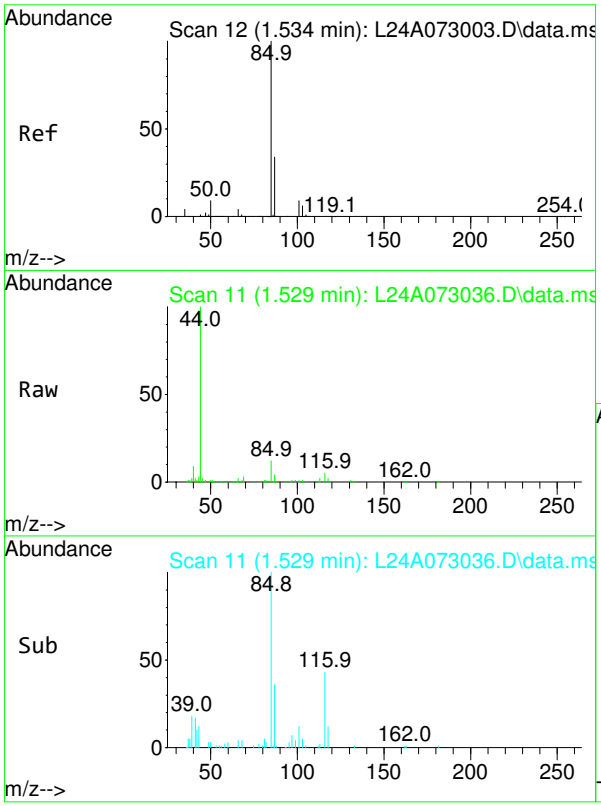
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073036.D Vial: 31
Acq On : 14 Mar 2024 03:59 am Operator: CMR
Sample : 24C0251-10DUP 2X Inst : SYSL
Misc : 1.5,1,200,150,2XDUP Multiplr: 1.00
Quant Time: Mar 14 15:39:08 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073036.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



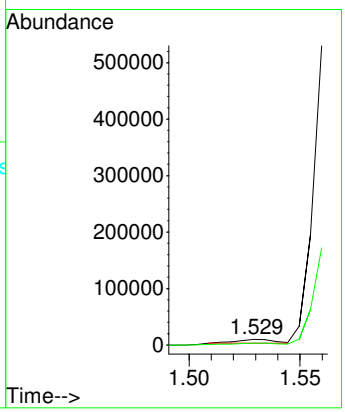


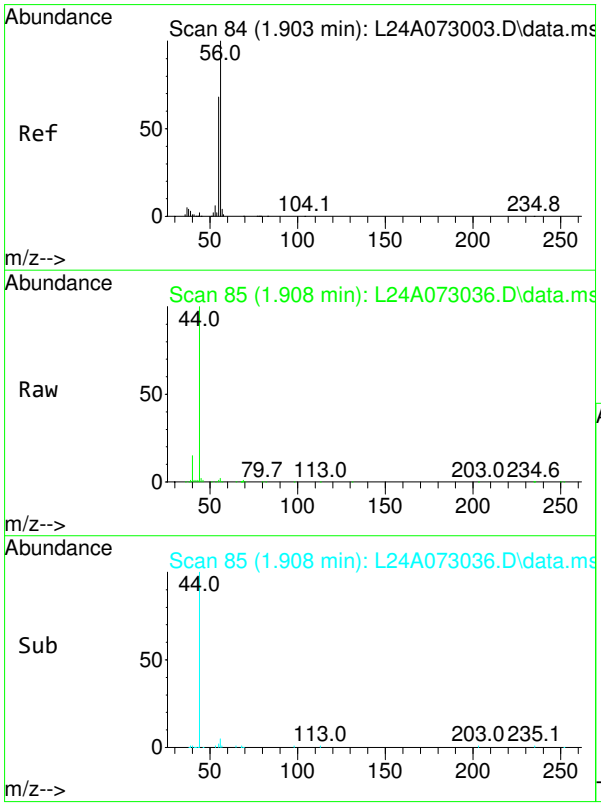


#3
DICHLORODIFLUOROMETHANE
Concen: 0.18 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 85 Resp: 8138

Ion	Ratio	Lower	Upper
85	100		
87	41.0	12.0	52.0

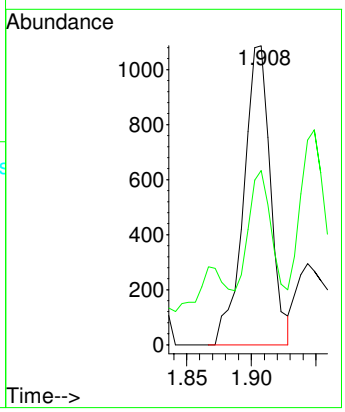


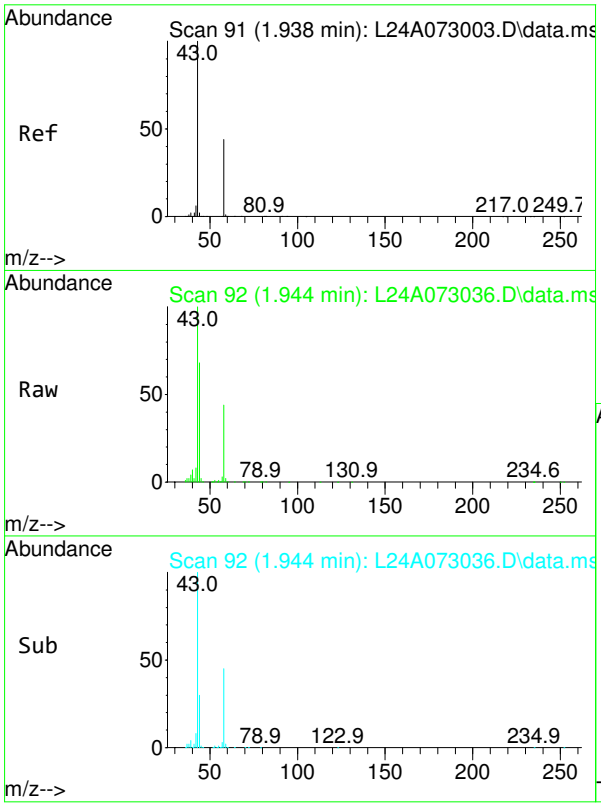


#10
ACROLEIN
Concen: 0.19 PPBV
RT: 1.908 min Scan# 85
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 56 Resp: 1569

Ion	Ratio	Lower	Upper
56	100		
55	33.1	51.4	91.4#

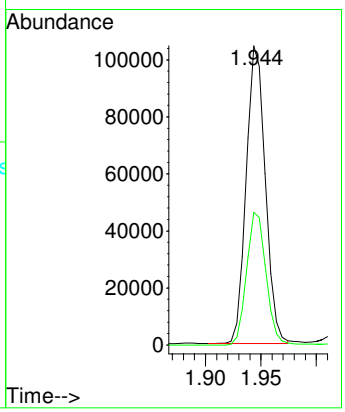


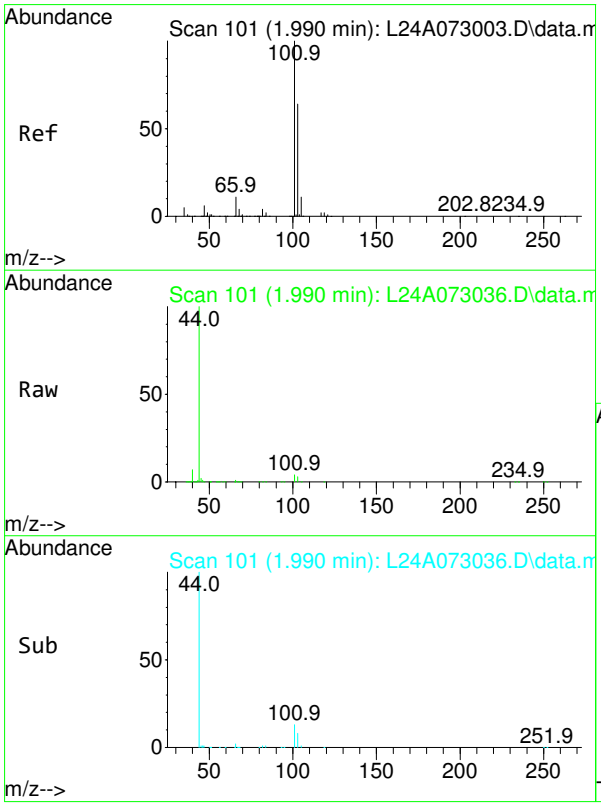


#11
ACETONE
Concen: 4.27 PPBV
RT: 1.944 min Scan# 92
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 43 Resp: 125157

Ion	Ratio	Lower	Upper
43	100		
58	45.3	13.1	53.1

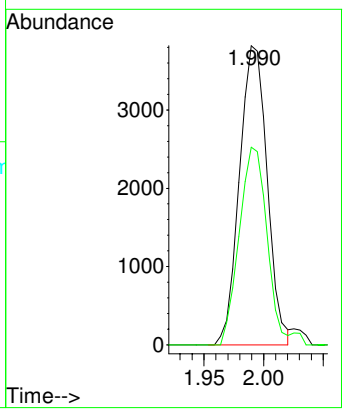


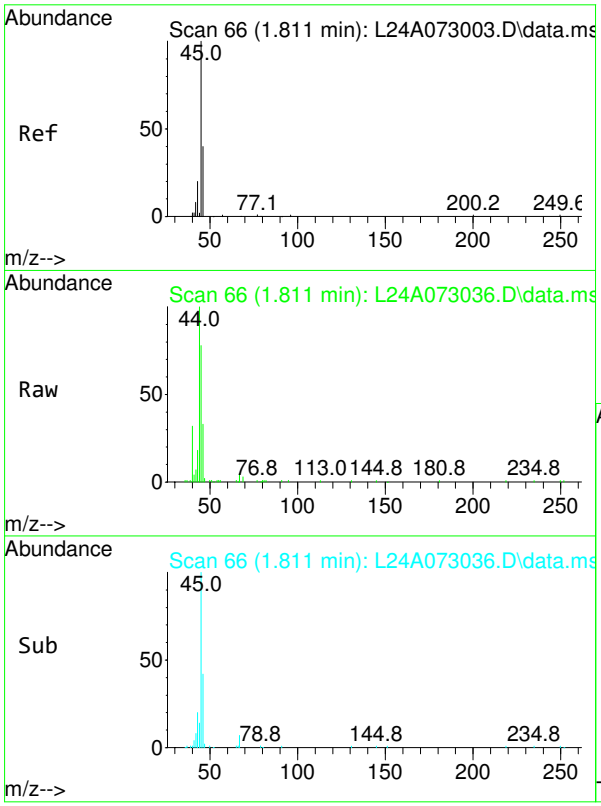


#12
TRICHLOROFLUOROMETHANE
Concen: 0.13 PPBV
RT: 1.990 min Scan# 101
Delta R.T. 0.003 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:101 Resp: 6140

Ion	Ratio	Lower	Upper
101	100		
103	66.0	44.7	84.7

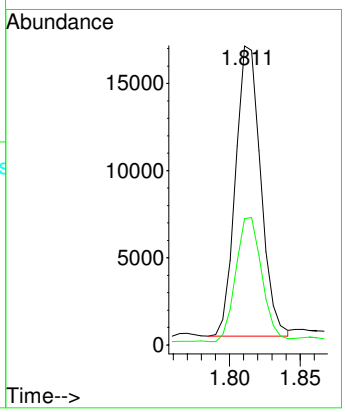


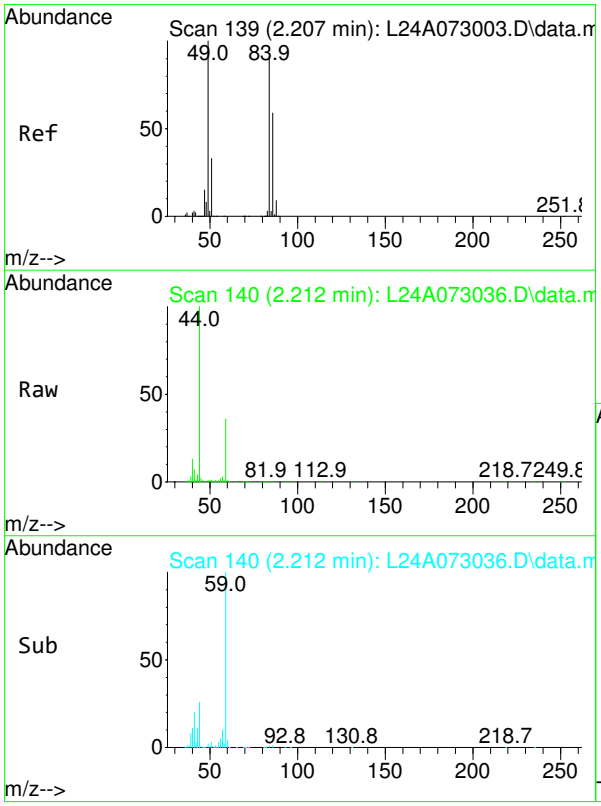


#13
ETHANOL
Concen: 4.58 PPBV
RT: 1.811 min Scan# 66
Delta R.T. 0.003 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 45 Resp: 20702

Ion	Ratio	Lower	Upper
45	100		
46	44.0	20.5	60.5

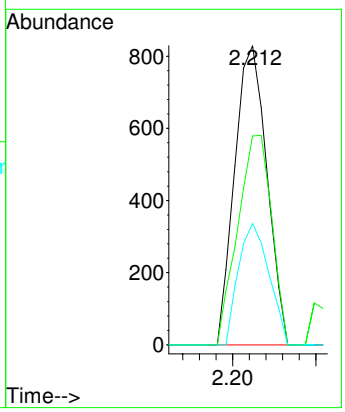


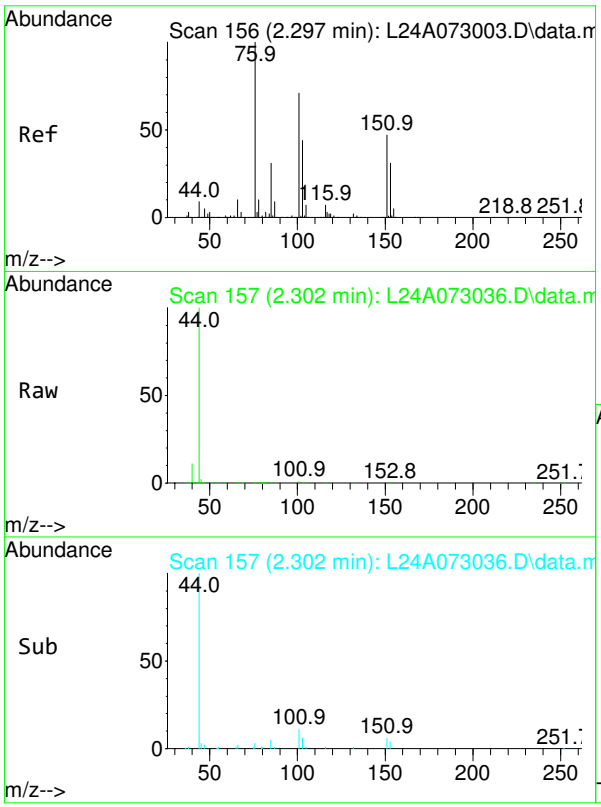


#15
METHYLENE CHLORIDE
Concen: 0.05 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 49 Resp: 1115

Ion	Ratio	Lower	Upper
49	100		
84	73.7	52.0	92.0
86	38.5	27.3	67.3

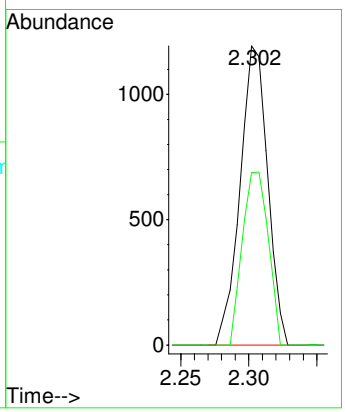


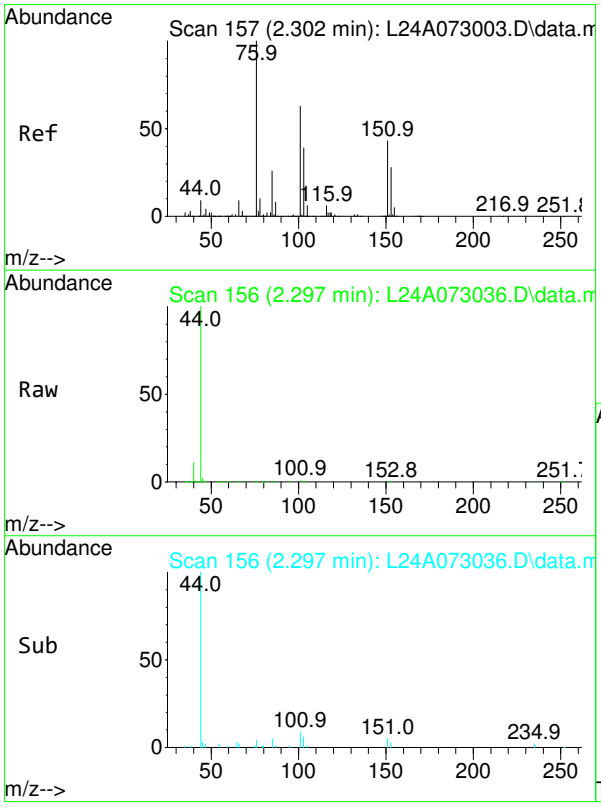


#16
FREON 113
Concen: 0.04 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:101 Resp: 1686

Ion	Ratio	Lower	Upper
101	100		
151	54.2	52.3	92.3

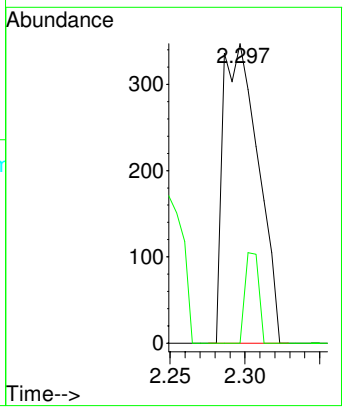


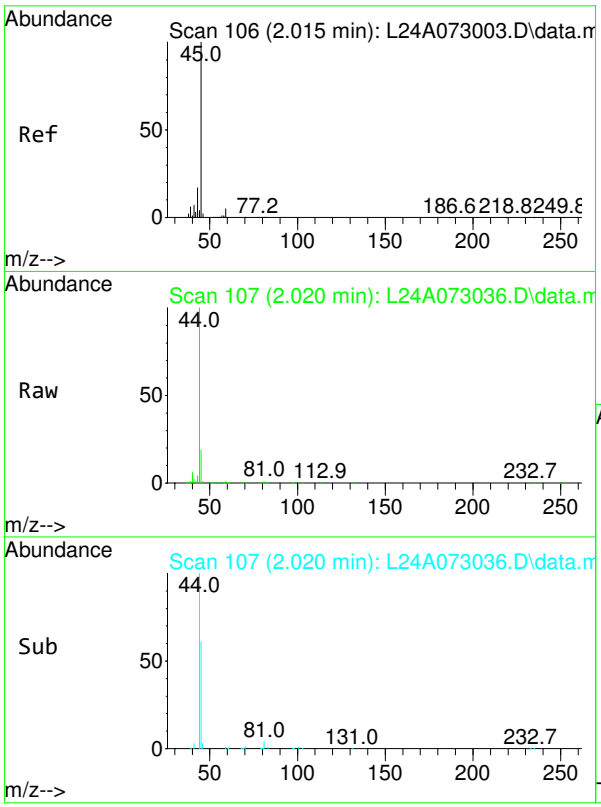


#17
CARBON DISULFIDE
Concen: 0.01 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 76 Resp: 566

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	31.1

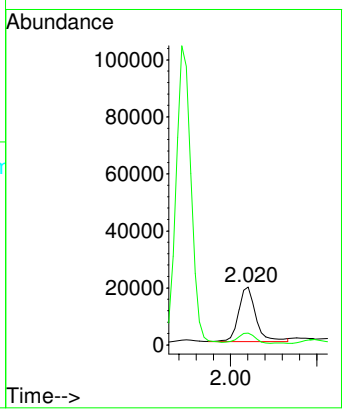


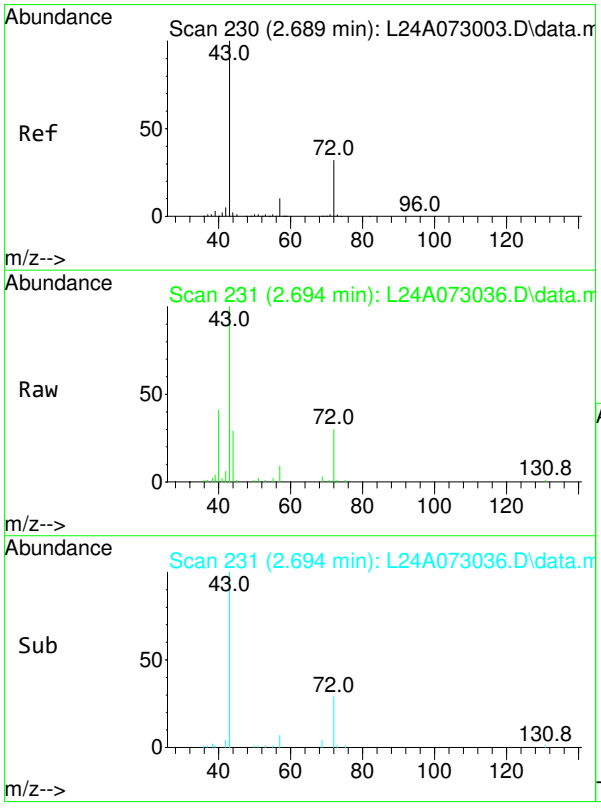


#21
IPA
Concen: 0.86 PPBV
RT: 2.020 min Scan# 107
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 45 Resp: 26370

Ion	Ratio	Lower	Upper
45	100		
43	19.6	0.0	39.3

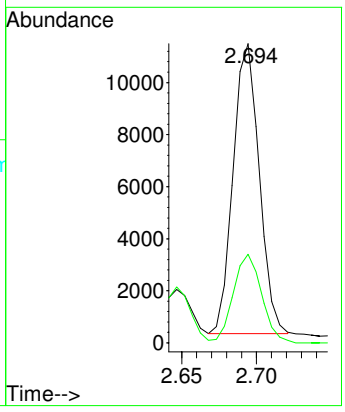


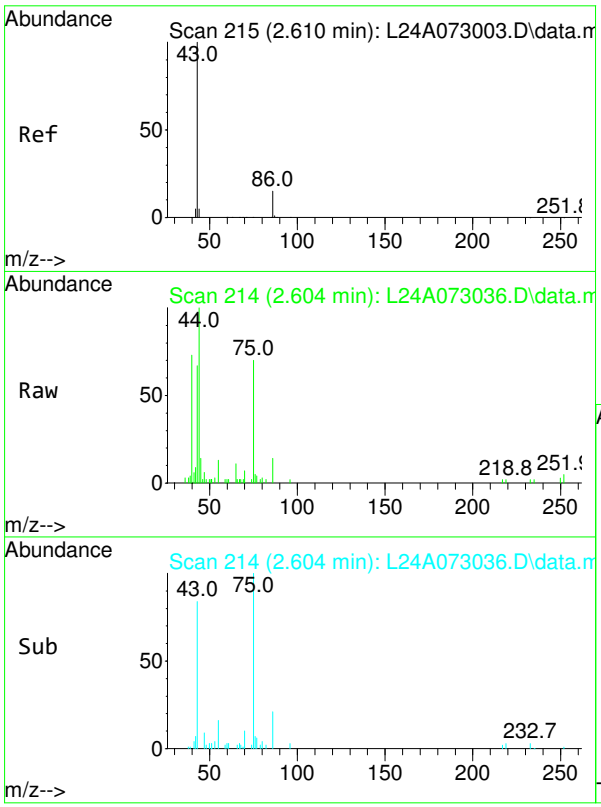


#22
2-BUTANONE(MEK)
Concen: 0.37 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 43 Resp: 13484

Ion	Ratio	Lower	Upper
43	100		
72	30.7	5.6	45.6

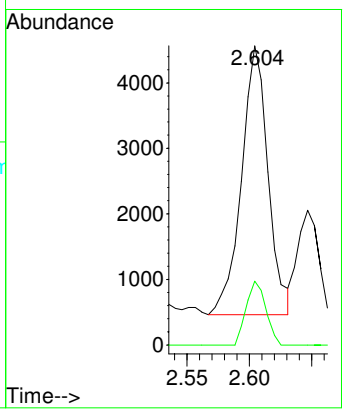


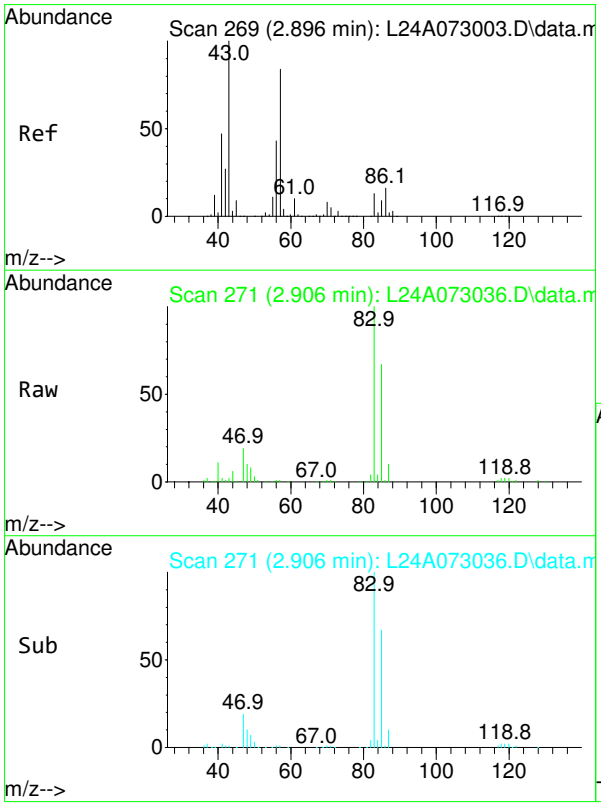


#24
VINYL ACETATE
Concen: 0.16 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 43 Resp: 6074

Ion	Ratio	Lower	Upper
43	100		
86	17.6	0.0	19.5

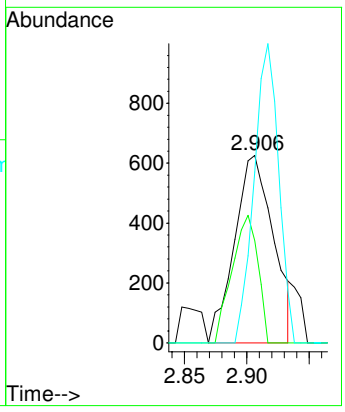


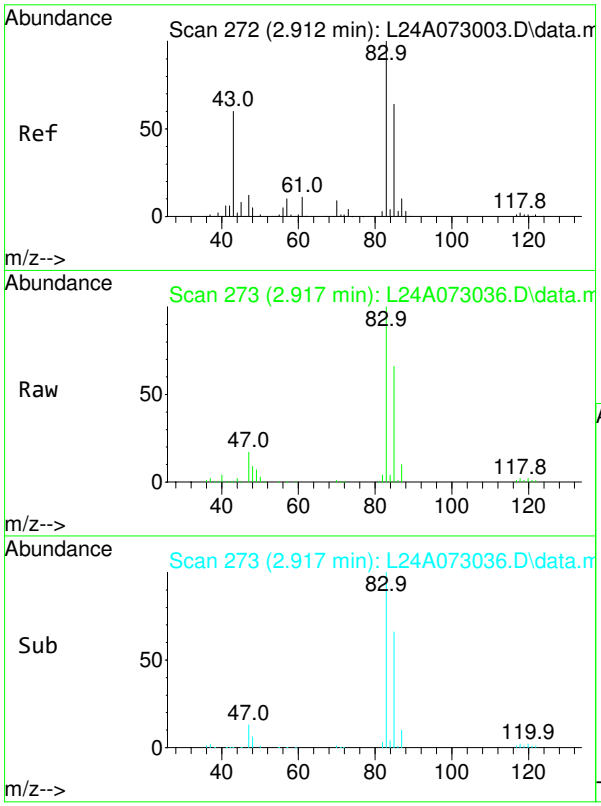


#25
HEXANE
Concen: 0.07 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 41 Resp: 1353

Ion	Ratio	Lower	Upper
41	100		
56	45.4	52.3	92.3#
86	101.3	16.1	36.1#

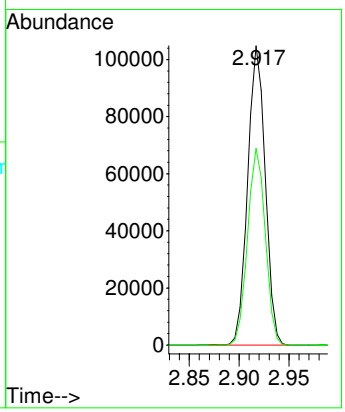


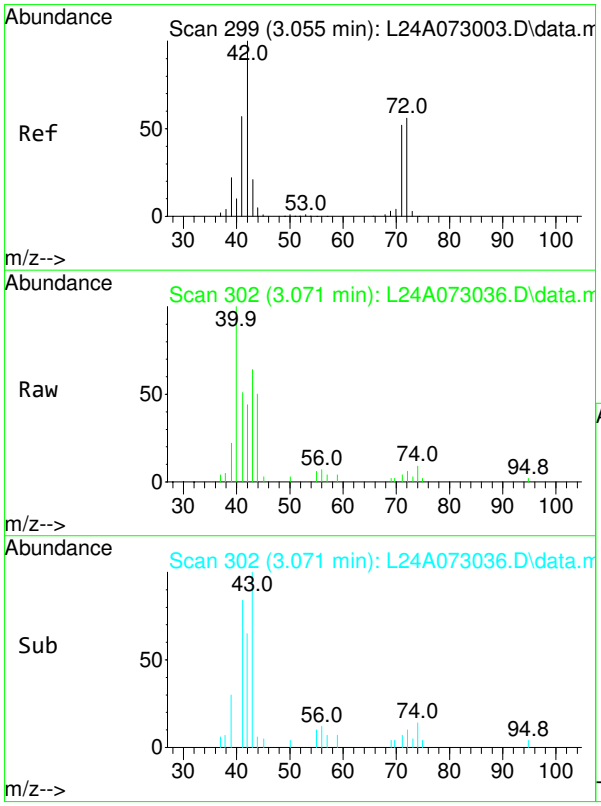


#27
CHLOROFORM
Concen: 3.42 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 83 Resp: 128327

Ion	Ratio	Lower	Upper
83	100		
85	66.3	44.8	84.8

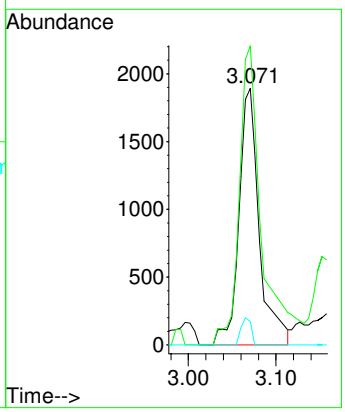


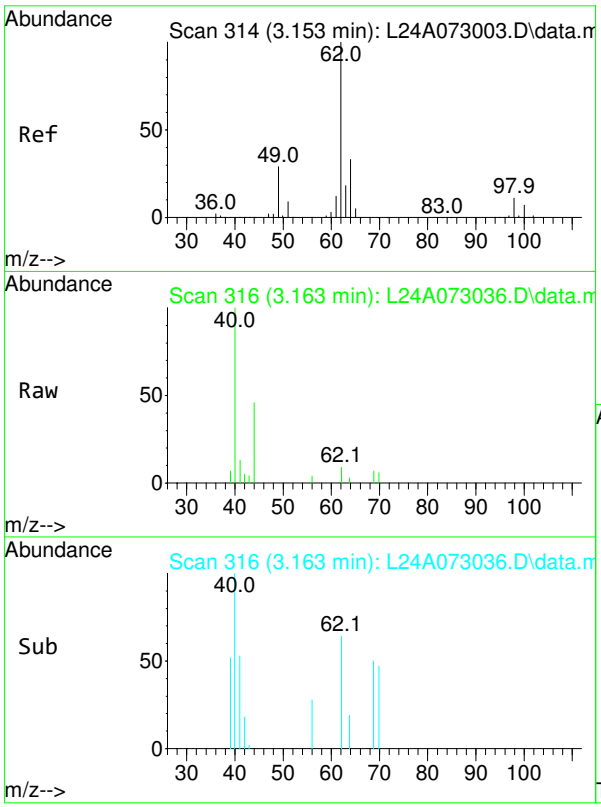


#28
TETRAHYDROFURAN
Concen: 0.15 PPBV
RT: 3.071 min Scan# 302
Delta R.T. 0.020 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 42 Resp: 3625

Ion	Ratio	Lower	Upper
42	100		
41	117.5	33.5	73.5#
71	4.4	24.0	64.0#

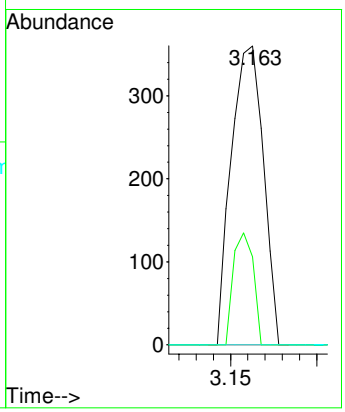


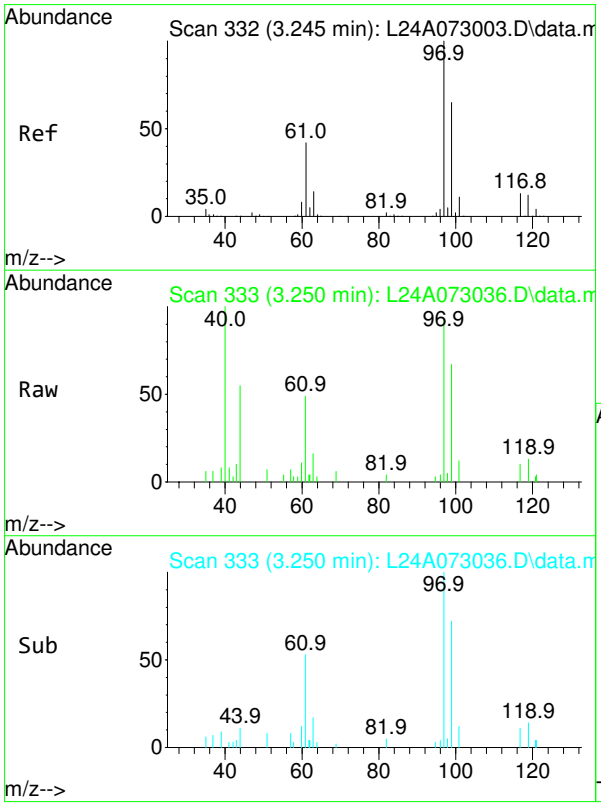


#29
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 3.163 min Scan# 316
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 62 Resp: 467

Ion	Ratio	Lower	Upper
62	100		
64	23.3	13.0	53.0
98	0.0	0.0	19.3

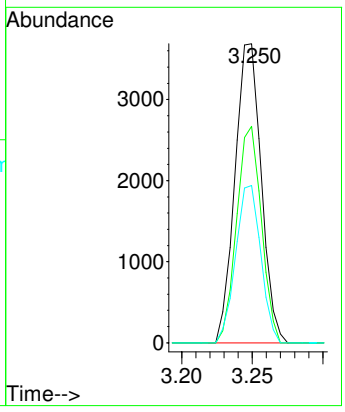


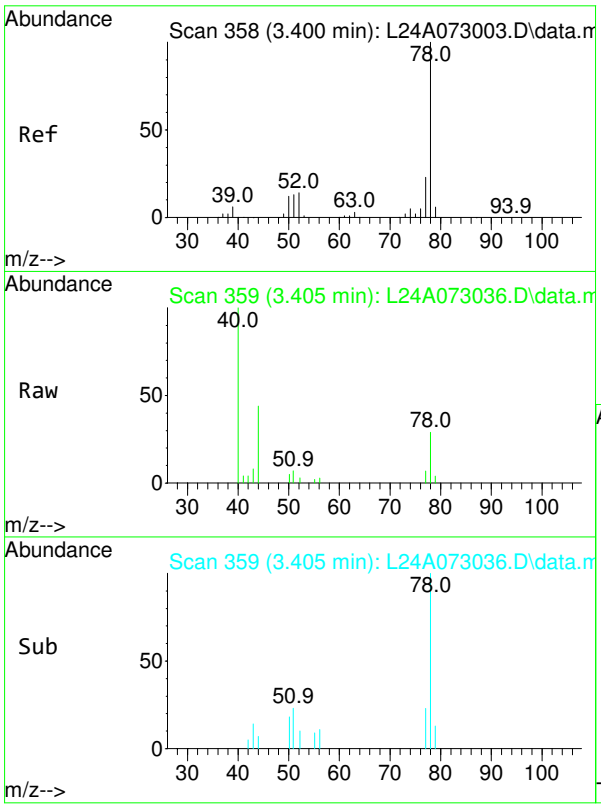


#31
1,1,1-TRICHLOROETHANE
Concen: 0.12 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 97 Resp: 4791

Ion	Ratio	Lower	Upper
97	100		
99	67.9	45.3	85.3
61	50.2	28.1	68.1

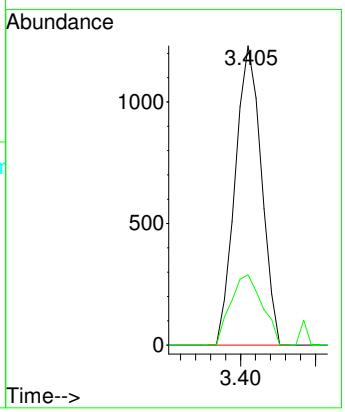


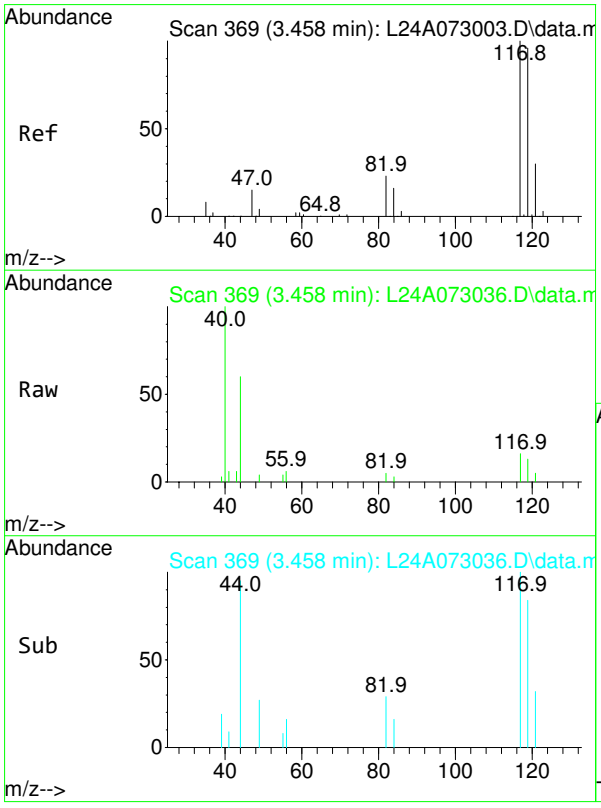


#32
BENZENE
Concen: 0.03 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 78 Resp: 1490

Ion	Ratio	Lower	Upper
78	100		
51	28.4	0.0	37.7

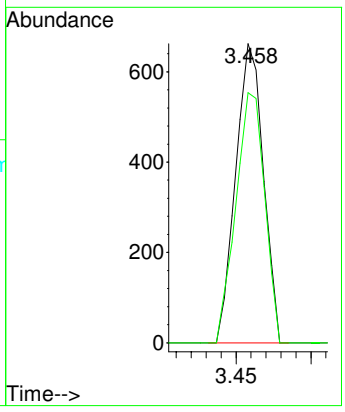


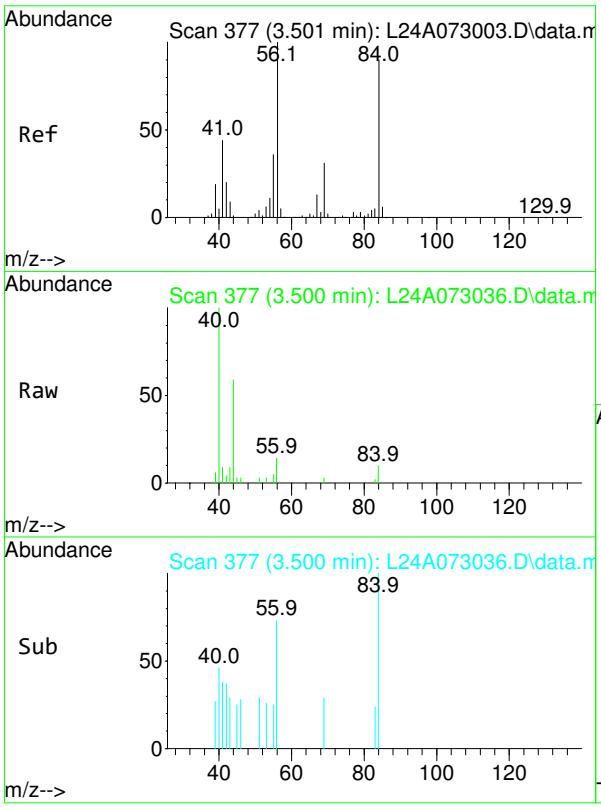


#33
CARBON TETRACHLORIDE
Concen: 0.02 PPBV
RT: 3.458 min Scan# 369
Delta R.T. 0.000 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:117 Resp: 849

Ion	Ratio	Lower	Upper
117	100		
119	87.2	75.3	115.3

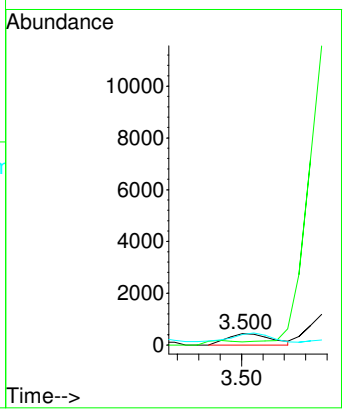


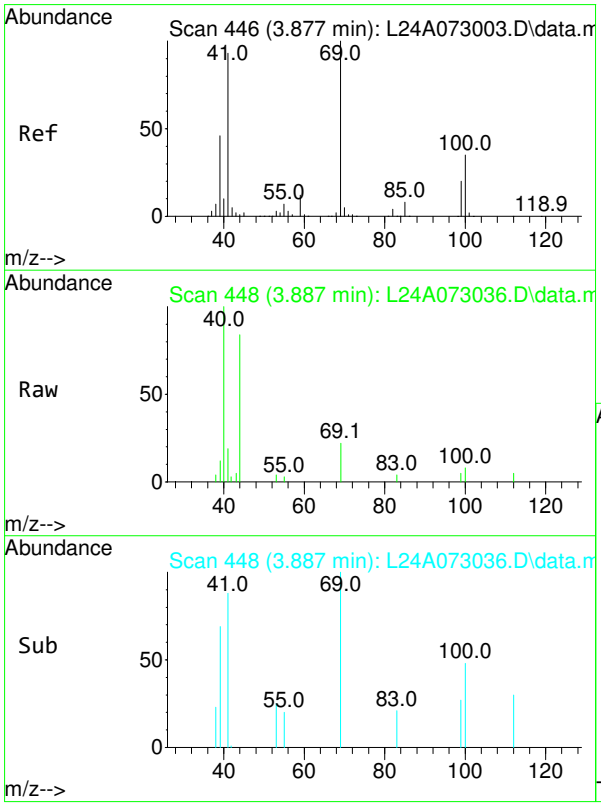


#34
CYCLOHEXANE
Concen: 0.03 PPBV
RT: 3.500 min Scan# 377
Delta R.T. -0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 84 Resp: 636

Ion	Ratio	Lower	Upper
84	100		
69	37.7	17.7	57.7
41	66.8	44.6	84.6

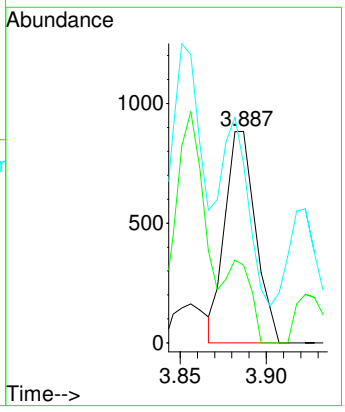


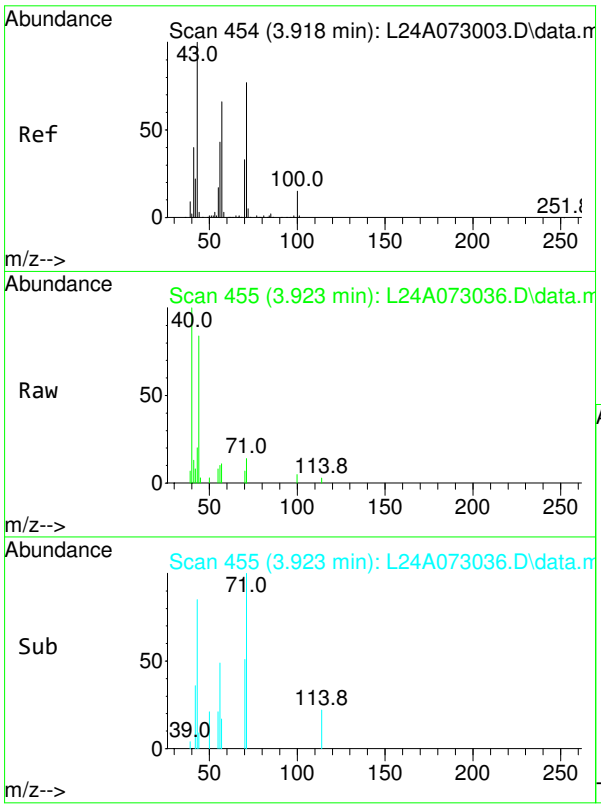


#39
METHYLMETHACRYLATE
Concen: 0.05 PPBV
RT: 3.887 min Scan# 448
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 69 Resp: 1092

Ion	Ratio	Lower	Upper
69	100		
100	0.0	18.0	58.0#
41	68.3	102.8	142.8#

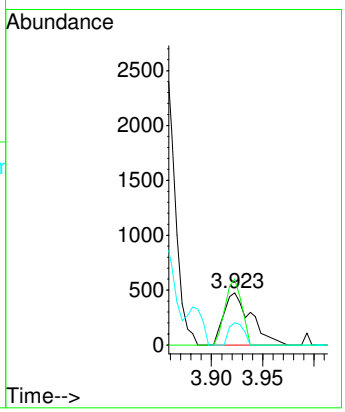


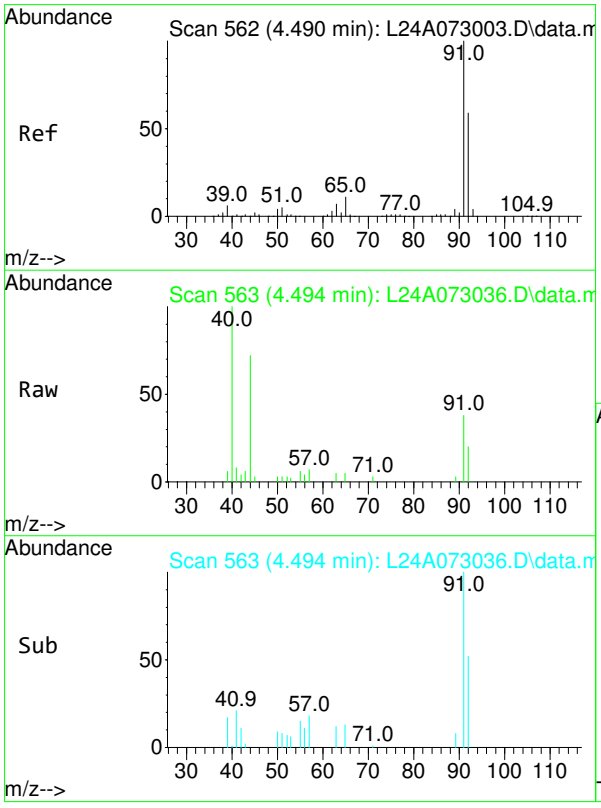


#40
HEPTANE
Concen: 0.06 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 57 Resp: 1123

Ion	Ratio	Lower	Upper
57	100		
71	60.4	87.9	127.9#
100	18.3	4.4	44.4

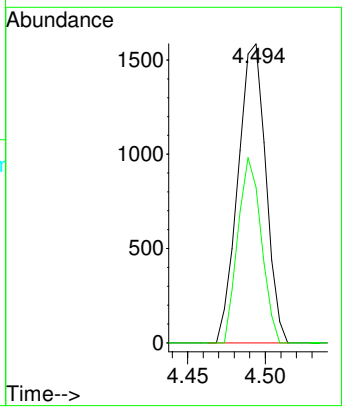


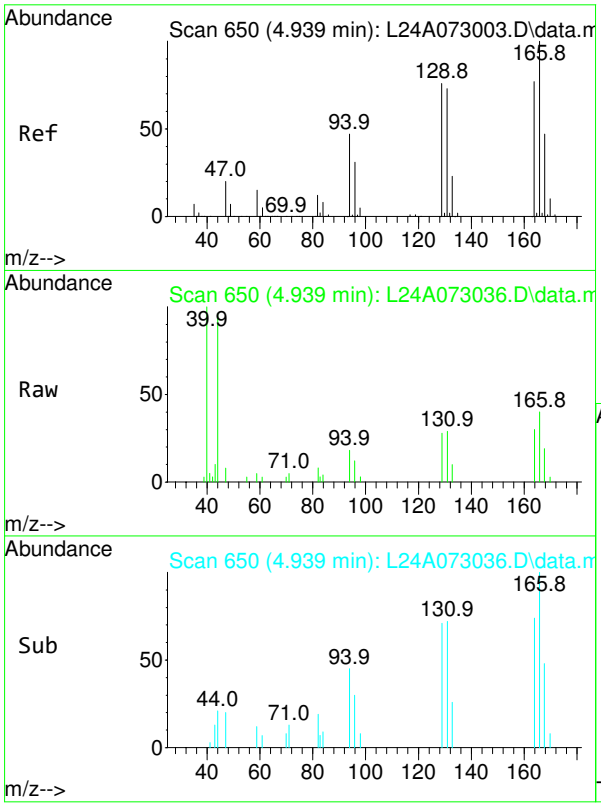


#46
TOLUENE
Concen: 0.03 PPBV
RT: 4.494 min Scan# 563
Delta R.T. -0.000 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 91 Resp: 1971

Ion	Ratio	Lower	Upper
91	100		
92	52.1	39.1	79.1

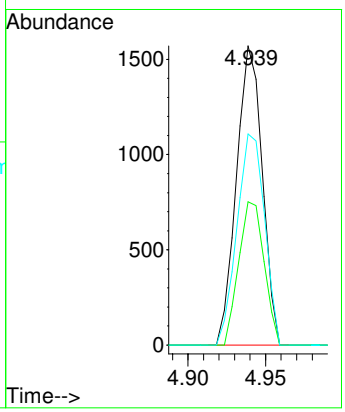


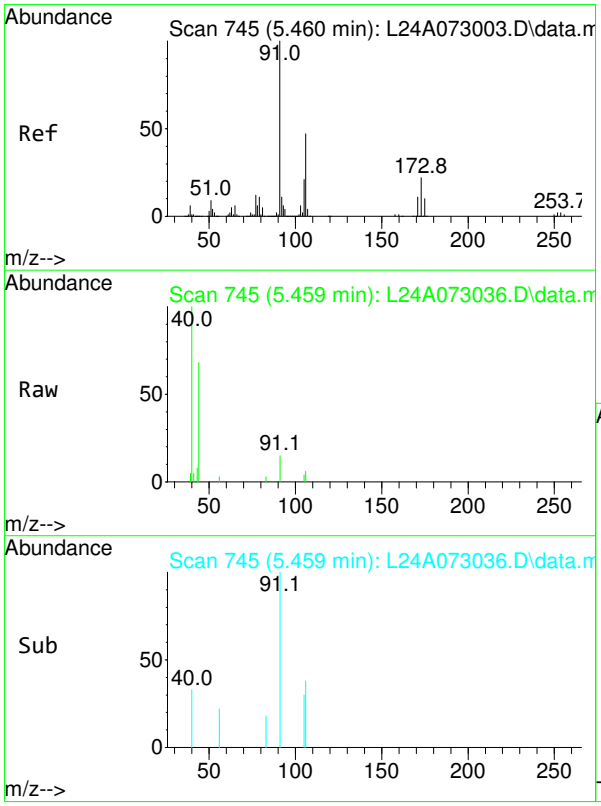


#50
TETRACHLOROETHENE
Concen: 0.06 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:166 Resp: 1810

Ion	Ratio	Lower	Upper
166	100		
168	47.1	28.8	68.8
129	75.7	56.6	96.6

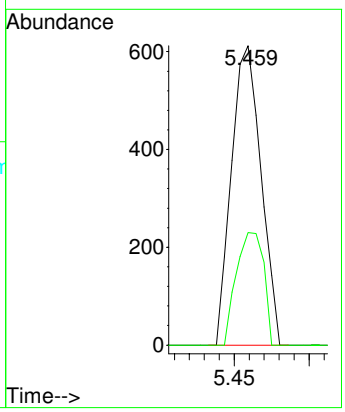


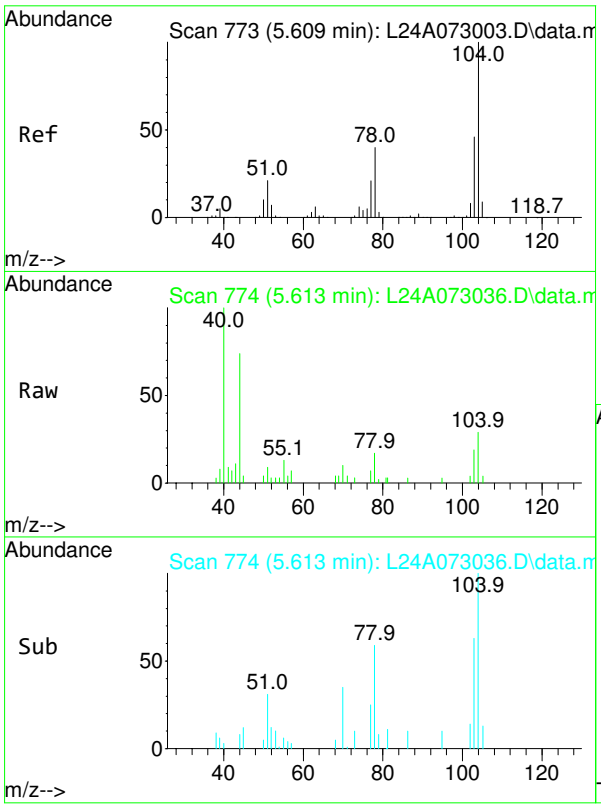


#53
M/P-XYLENE
Concen: 0.01 PPBV
RT: 5.459 min Scan# 745
Delta R.T. -0.009 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 91 Resp: 839

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.9	64.9

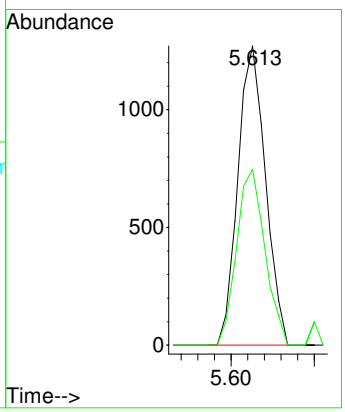


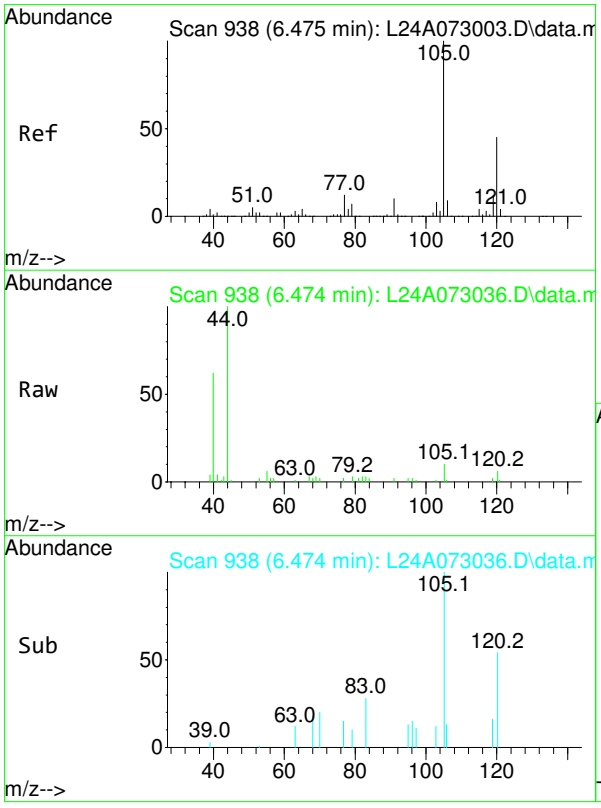


#55
STYRENE
Concen: 0.03 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:104 Resp: 1467

Ion	Ratio	Lower	Upper
104	100		
78	60.2	24.7	64.7

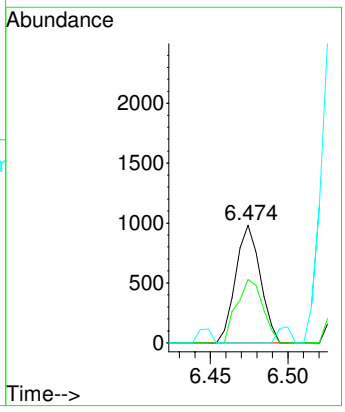


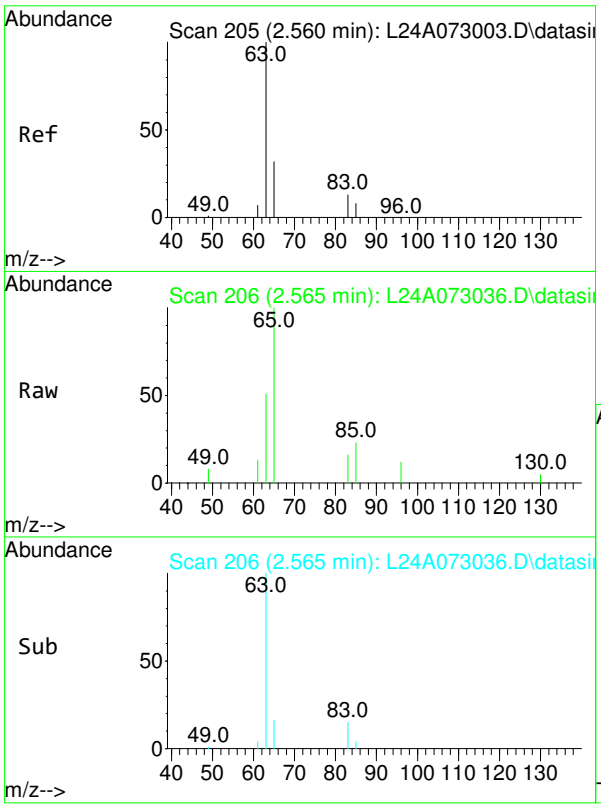


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.474 min Scan# 938
Delta R.T. -0.009 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:105 Resp: 1086

Ion	Ratio	Lower	Upper
105	100		
120	56.6	24.0	64.0
207	0.0	0.0	20.0

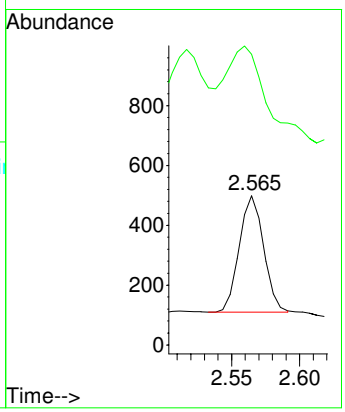


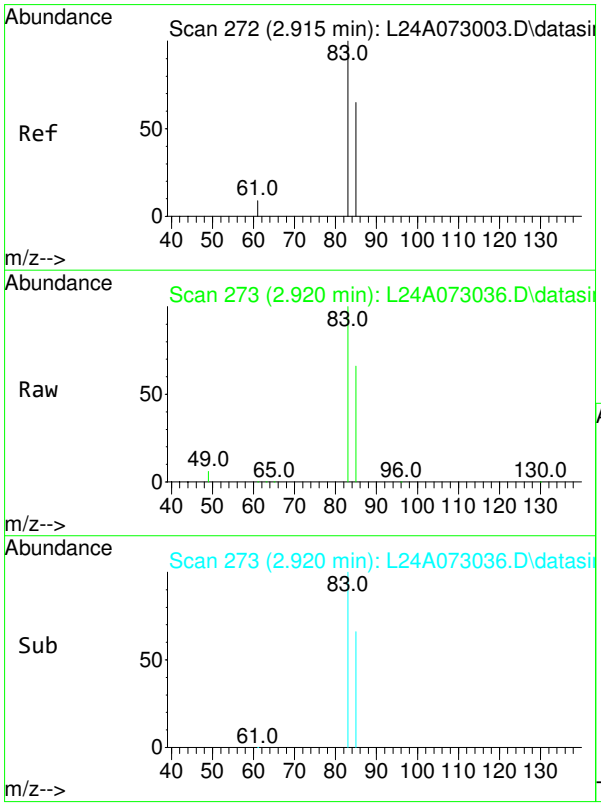


#73
1,1-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 2.565 min Scan# 206
Delta R.T. 0.006 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 63 Resp: 486

Ion	Ratio	Lower	Upper
63	100		
65	85.2	11.5	51.5#

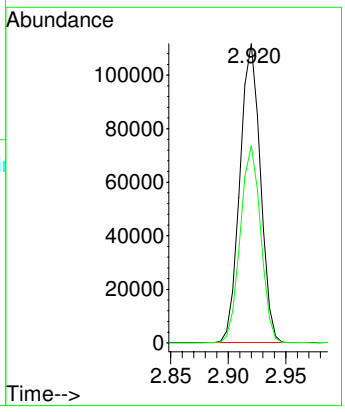


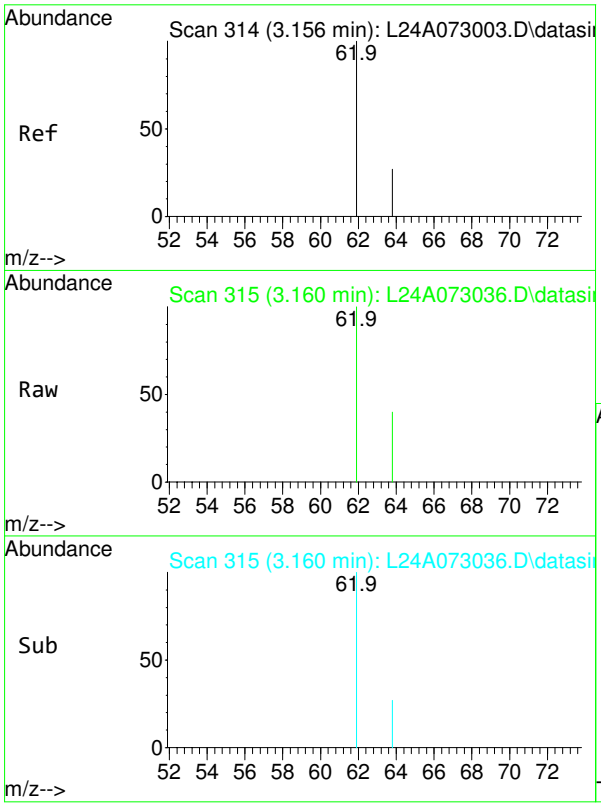


#75
CHLOROFORM (SIM)
Concen: 3.37 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 83 Resp: 136577

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.0	85.0

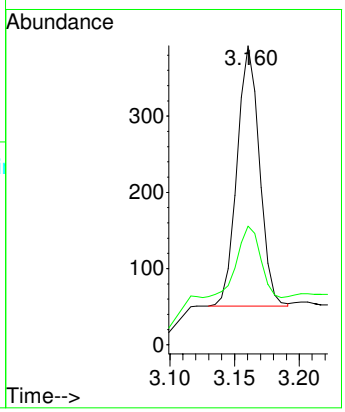


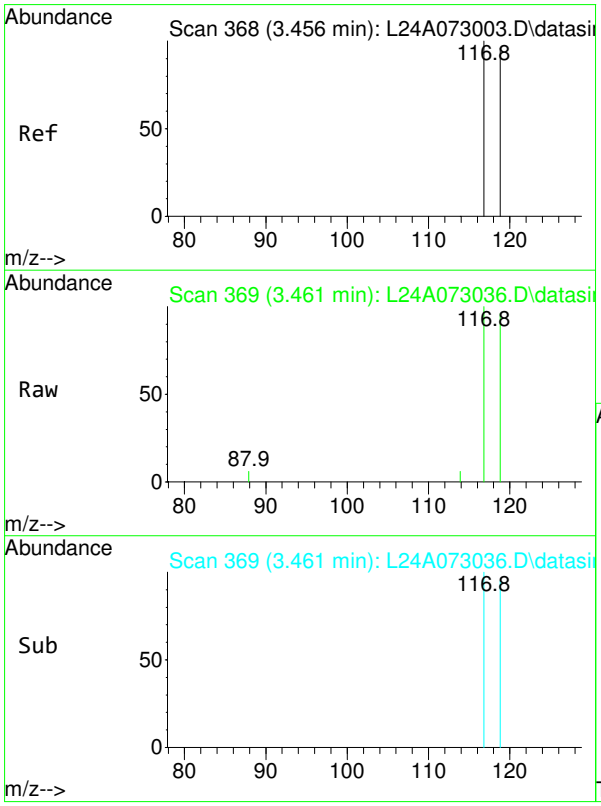


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.160 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 62 Resp: 410

Ion	Ratio	Lower	Upper
62	100		
64	28.5	7.0	47.0

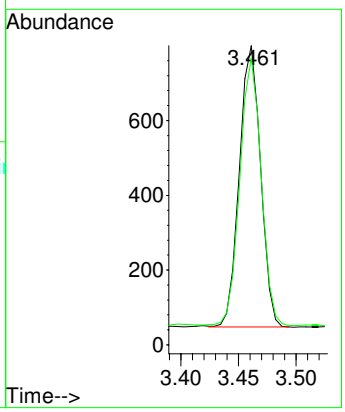




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:117 Resp: 955

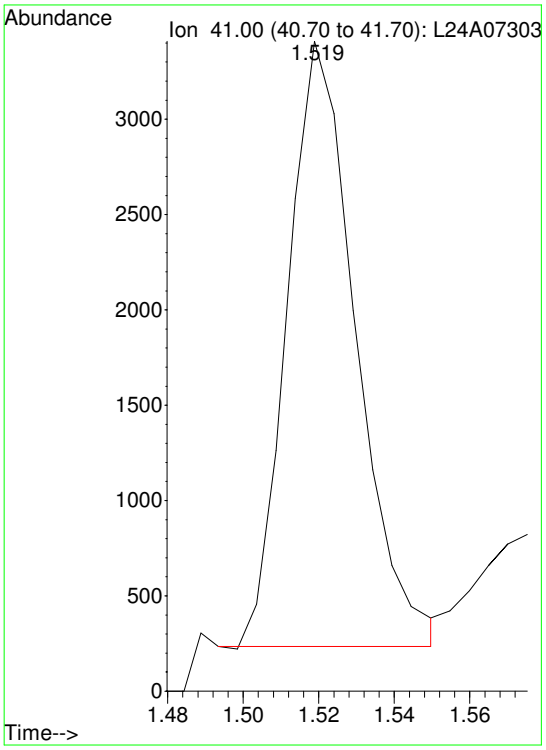
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

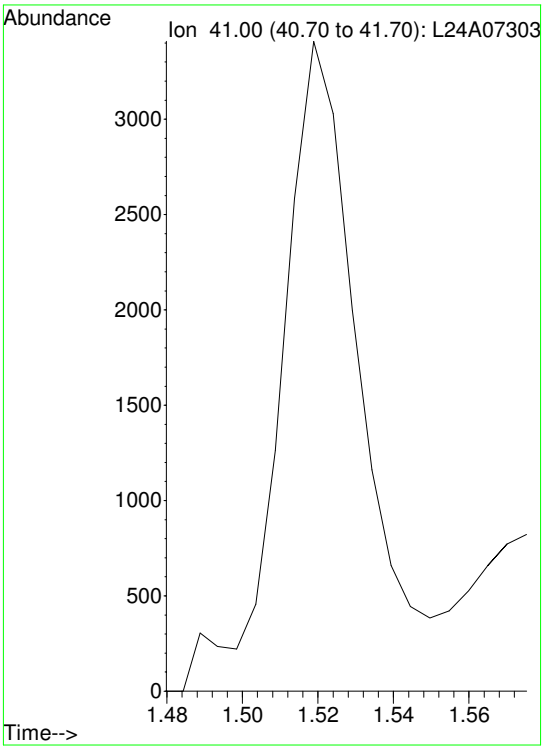
RT : 1.52
Area : 3998
Amount: 0.375945

Manual Int. Results

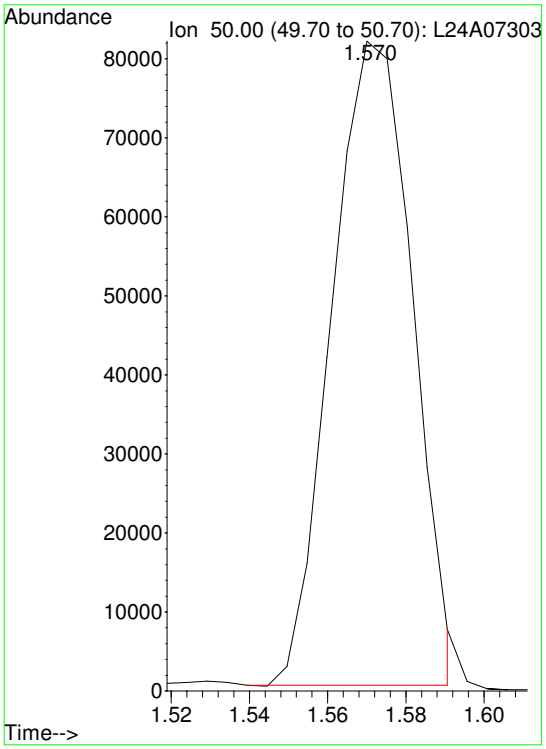
Fri Mar 15 11:22:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

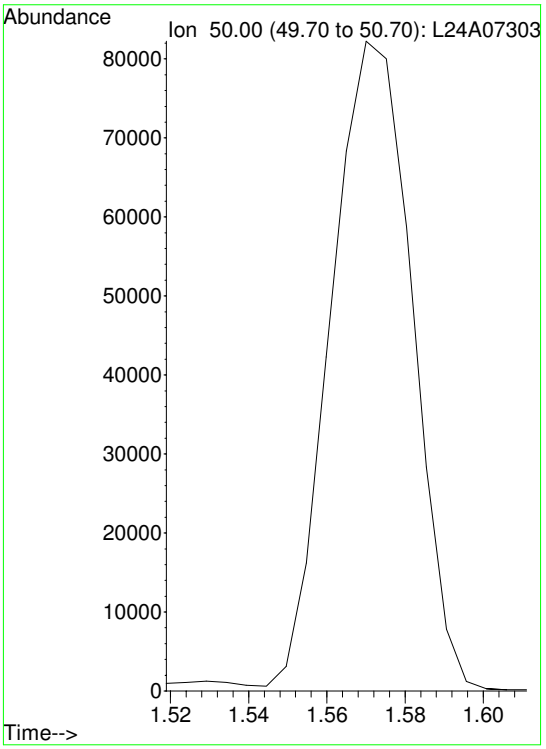
RT : 1.57
Area : 116819
Amount: 7.33693

Manual Int. Results

Fri Mar 15 11:22:43 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

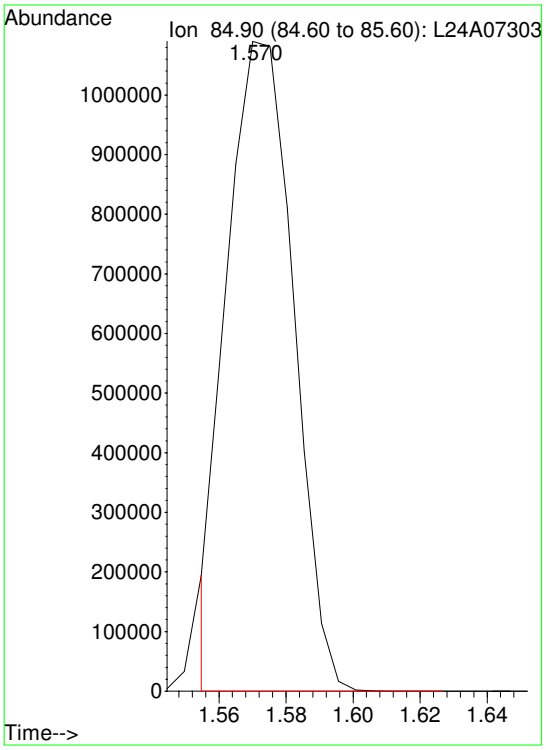
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

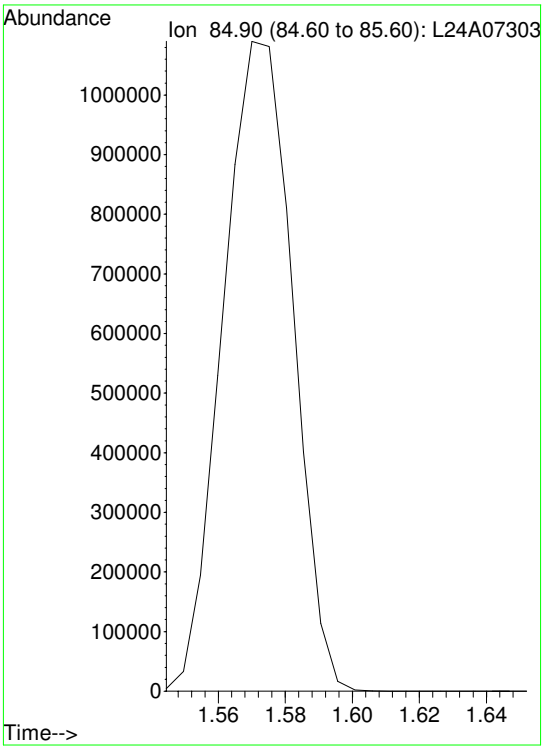
RT : 1.57
Area : 1.51418e+006
Amount: 32.5125

Manual Int. Results

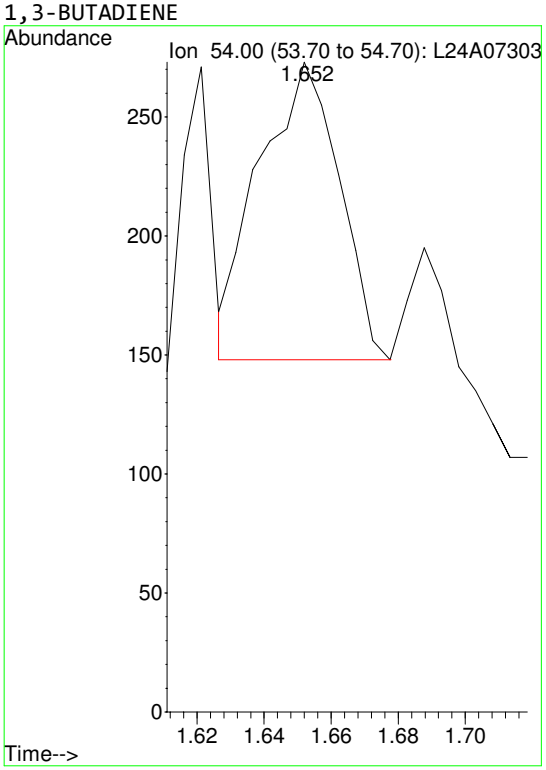
Fri Mar 15 11:22:46 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

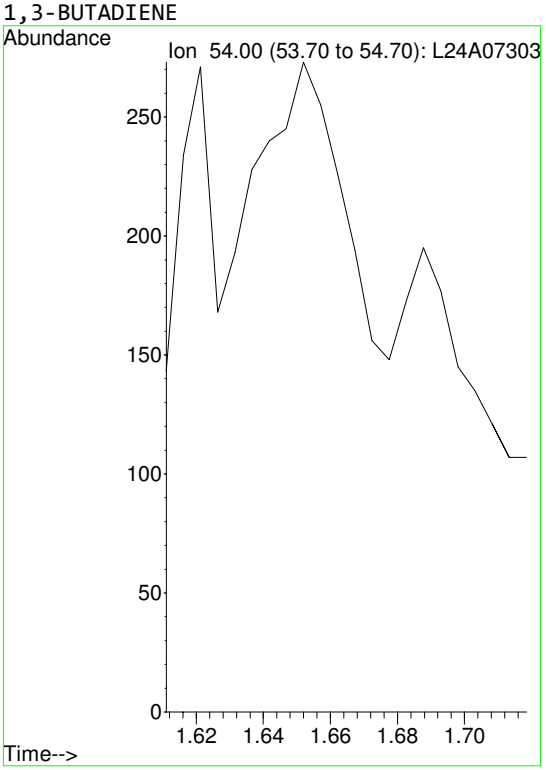
RT : 1.65
Area : 208
Amount: 0.014462

Manual Int. Results

Fri Mar 15 11:22:50 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

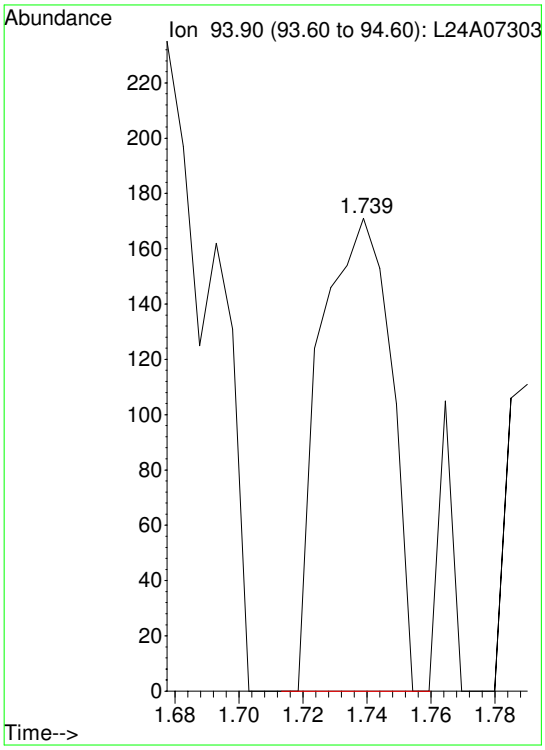
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

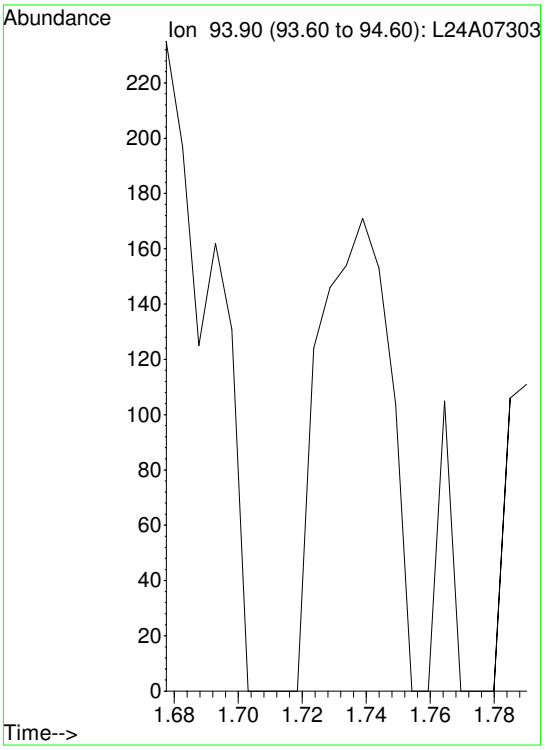
RT : 1.74
Area : 261
Amount: 0.0158539

Manual Int. Results

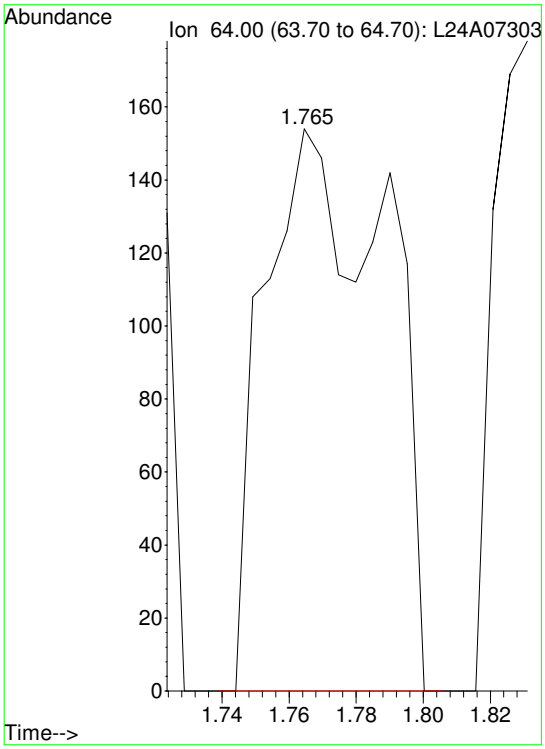
Fri Mar 15 11:22:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

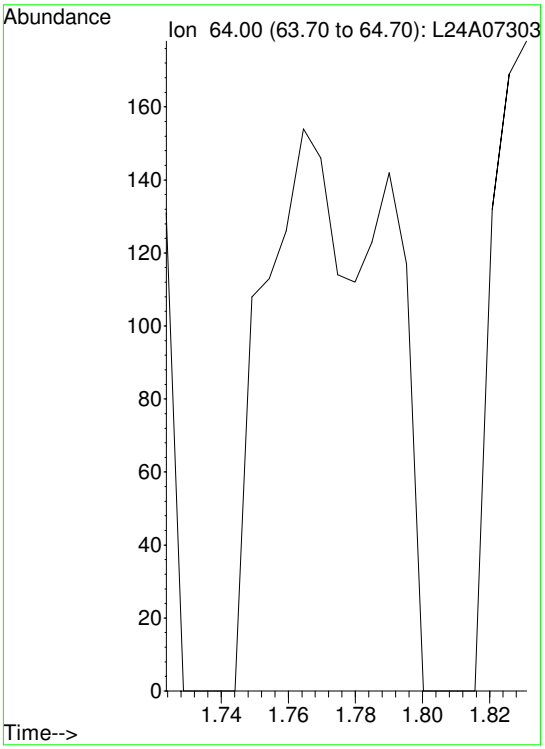
RT : 1.76
Area : 385
Amount: 0.0358311

Manual Int. Results

Fri Mar 15 11:22:57 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

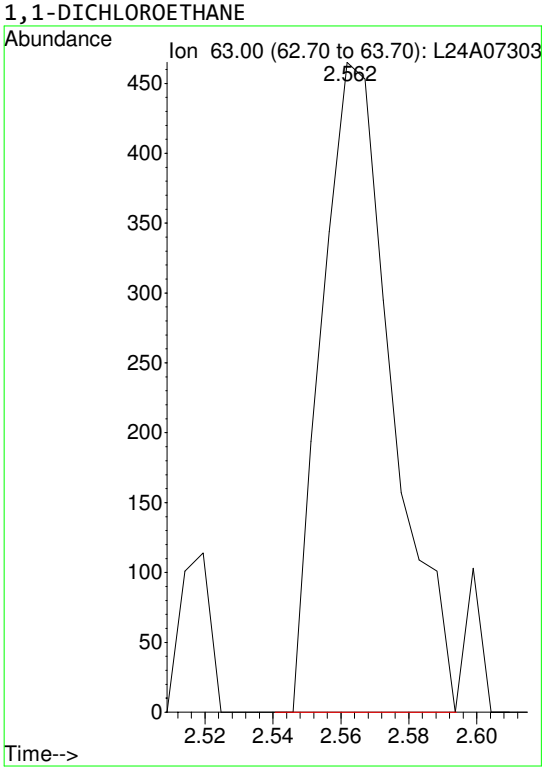
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

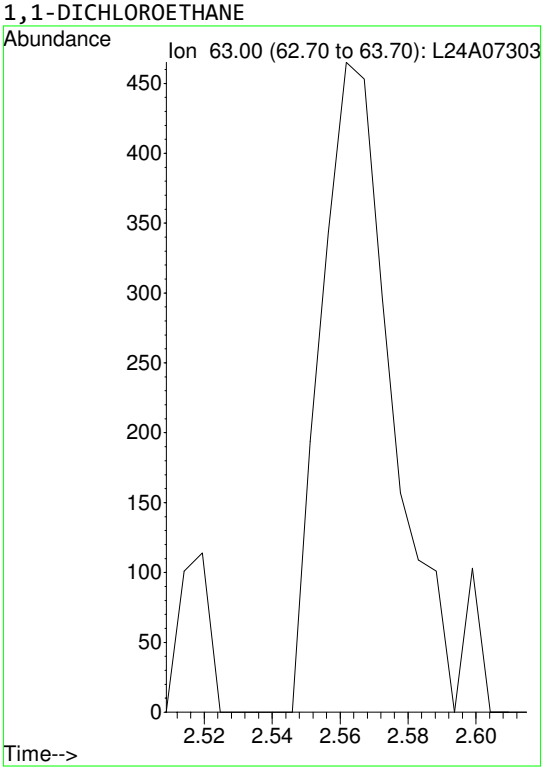
RT : 2.56
Area : 674
Amount: 0.0185438

Manual Int. Results

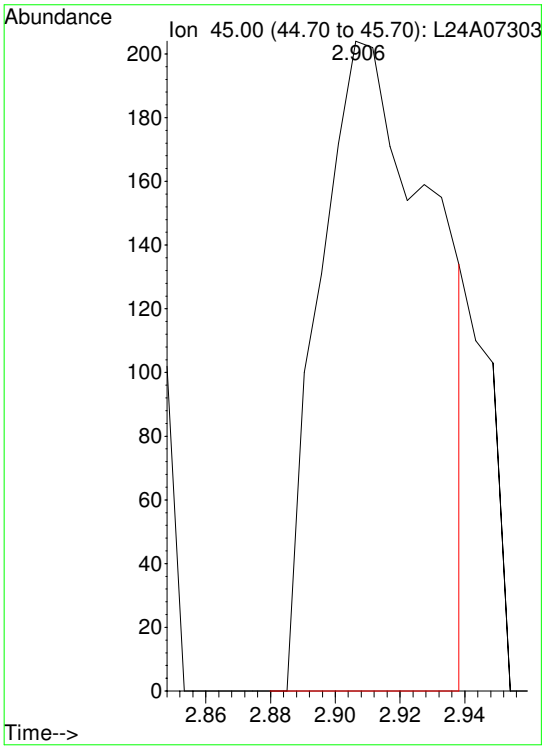
Fri Mar 15 11:23:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

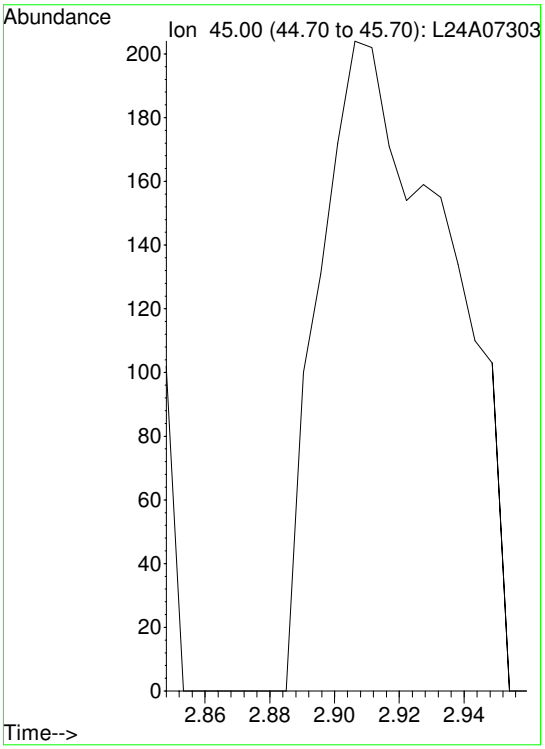
RT : 2.91
Area : 503
Amount: 0.0806443

Manual Int. Results

Fri Mar 15 11:23:18 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

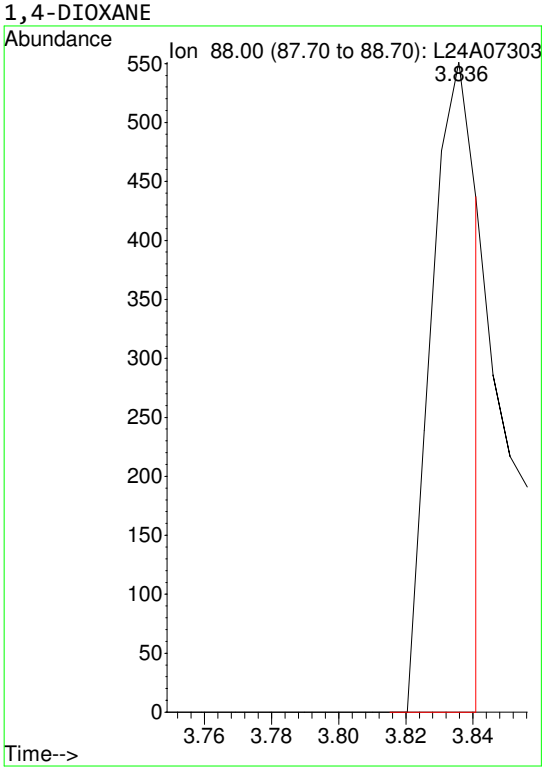
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

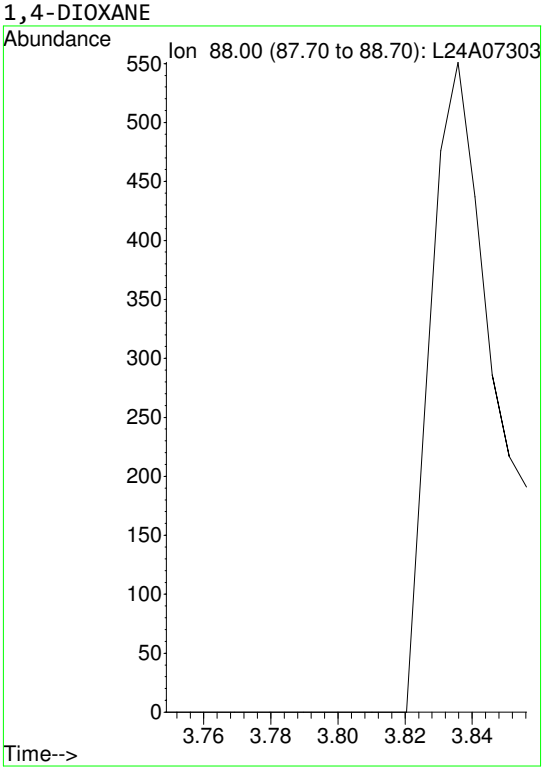
RT : 3.84
Area : 522
Amount: 0.0380409

Manual Int. Results

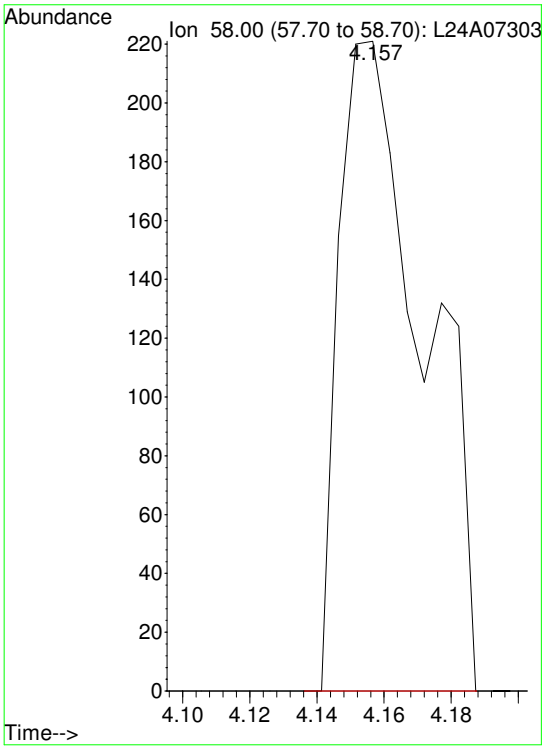
Fri Mar 15 11:23:26 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

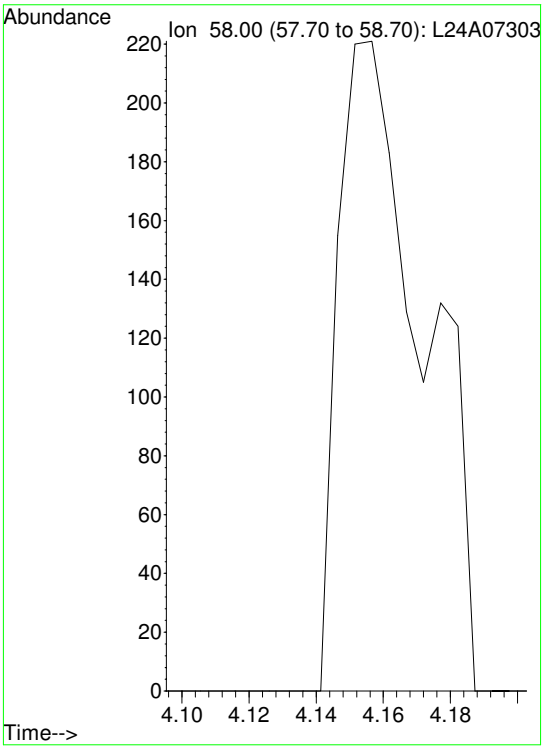
RT : 4.16
Area : 389
Amount: 0.0204638

Manual Int. Results

Fri Mar 15 11:23:31 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

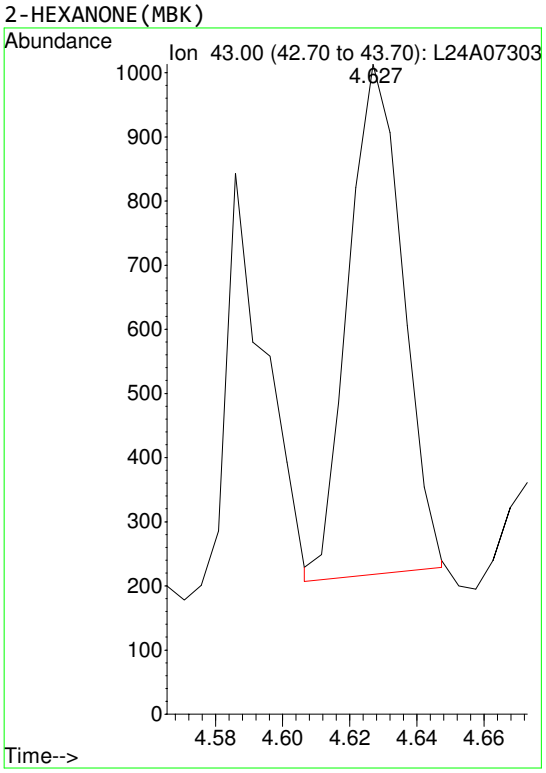
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

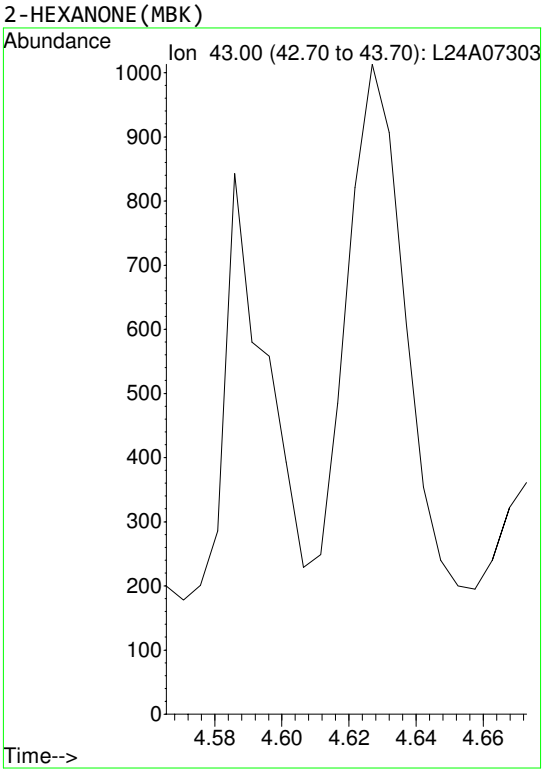
RT : 4.63
Area : 899
Amount: 0.0212904

Manual Int. Results

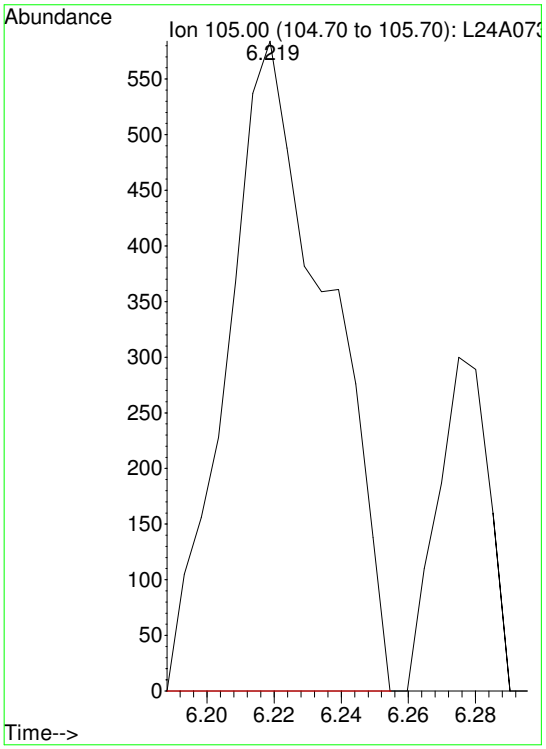
Fri Mar 15 11:23:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

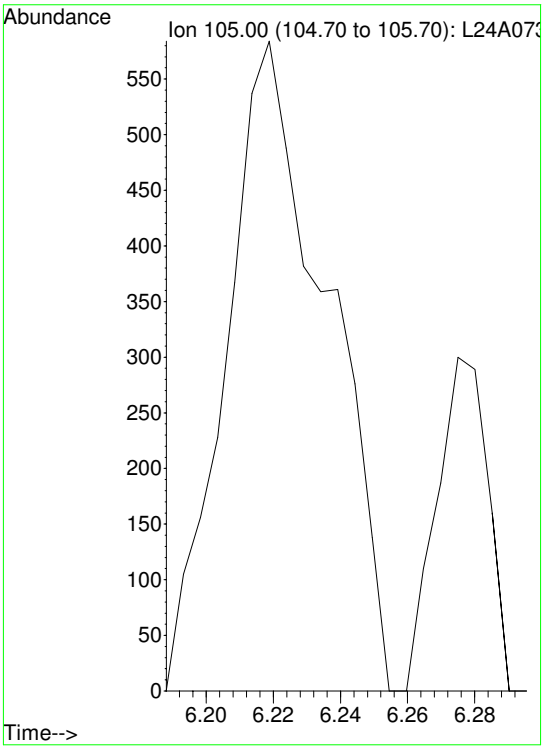
RT : 6.22
Area : 1221
Amount: 0.0138982

Manual Int. Results

Fri Mar 15 11:23:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



D:\MassHunter\GCMS\1\data\L031324\

Date	Filename	Lab ID	Sample Info
13 Mar 2024 09:34 am	L24A073001.D	CLUP	
13 Mar 2024 10:00 am	L24A073002.D	BFB	CTIS-612-2182
13 Mar 2024 10:26 am	L24A073003.D	5.0PPBV CCV	CTWS-4166-2059 03/19
13 Mar 2024 10:52 am	L24A073004.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 11:17 am	L24A073005.D	CLUP	
13 Mar 2024 11:51 am	L24A073006.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 12:21 pm	L24A073007.D	MBL 0.7X	1,1,200,290,0.7X
13 Mar 2024 12:54 pm	L24A073008.D	CC BC1058	1,1,200,500,0.4X
13 Mar 2024 01:28 pm	L24A073009.D	CC BC1115	1,1,200,500,0.4X
13 Mar 2024 02:15 pm	L24A073010.D	24B3064-19 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 02:48 pm	L24A073011.D	24B3064-20 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:21 pm	L24A073012.D	24B3064-21 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:54 pm	L24A073013.D	24B3064-22 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 04:27 pm	L24A073014.D	24B3064-23 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:00 pm	L24A073015.D	24B3064-24 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:33 pm	L24A073016.D	24B3064-25 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:05 pm	L24A073017.D	24B3064-26 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:38 pm	L24A073018.D	24B3064-27 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:10 pm	L24A073019.D	24B3064-28 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:43 pm	L24A073020.D	24B3064-29 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 08:17 pm	L24A073021.D	24B3064-30 0.7X	1.74,1,200,500,0.7X
13 Mar 2024 08:50 pm	L24A073022.D	24B3064-31 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:23 pm	L24A073023.D	24B3064-32 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:56 pm	L24A073024.D	24B3064-33 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 10:21 pm	L24A073025.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 10:46 pm	L24A073026.D	CLUP	
13 Mar 2024 11:20 pm	L24A073027.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 11:50 pm	L24A073028.D	MBL 0.7X	1,1,200,290,0.7X
14 Mar 2024 12:16 am	L24A073029.D	CLUP	
14 Mar 2024 12:50 am	L24A073030.D	24C0251-04 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 01:23 am	L24A073031.D	24C0251-06 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 01:56 am	L24A073032.D	24C0251-08 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 02:29 am	L24A073033.D	24C0251-09 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 03:03 am	L24A073034.D	24C0251-11 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 03:31 am	L24A073035.D	24C0251-10 2X	1.5,1,200,150,2X
14 Mar 2024 03:59 am	L24A073036.D	24C0251-10DUP 2X	1.5,1,200,150,2XDUP
14 Mar 2024 04:27 am	L24A073037.D	24C0251-07 2X	1.5,1,200,150,2X
14 Mar 2024 04:55 am	L24A073038.D	24C0251-05 2X	1.5,1,200,150,2X
14 Mar 2024 05:23 am	L24A073039.D	24C0251-03 2X	1.5,1,200,150,2X
14 Mar 2024 05:51 am	L24A073040.D	24C0251-02 2X	1.5,1,200,150,2X
14 Mar 2024 06:19 am	L24A073041.D	24C0251-01 2X	1.5,1,200,150,2X
14 Mar 2024 06:46 am	L24A073042.D	24C0251-01 10X	1.5,1,200,30,10X
14 Mar 2024 07:11 am	L24A073043.D	CLUP	
14 Mar 2024 07:37 am	L24A073044.D	CLUP	
14 Mar 2024 08:11 am	L24A073045.D	CC BC1658	1,1,200,500,0.4X
14 Mar 2024 08:45 am	L24A073046.D	CC BC1334	1,1,200,500,0.4X
14 Mar 2024 09:19 am	L24A073047.D	CC BC1060	1,1,200,500,0.4X
14 Mar 2024 09:54 am	L24A073048.D	CC BC1472	1,1,200,500,0.4X

Sequence Report

3/14/2024 10:34:24 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 9:34:39 AM	Completed		
	BFB	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:00:43 AM	Completed		
	5.0PPBV CCV	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:26:49 AM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 10:52:23 AM	Completed		
	CLUP	One	T4	50	0	10	TW060823.7200A.CTD	3/13/2024 11:17:41 AM	Completed		
	CLUP	One	T4	50	0	500	TW060823.7200A.CTD	3/13/2024 11:51:12 AM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW060823.7200A.CTD	3/13/2024 12:21:16 PM	Completed		
	CC BC1058	One	T6	50	0	500	TW060823.7200A.CTD	3/13/2024 12:54:40 PM	Completed		
	CC BC1115	One	T7	50	0	500	TW060823.7200A.CTD	3/13/2024 1:28:13 PM	Completed		
	24C3064-19 0.7X	One	T6	50	0	430	TW060823.7200A.CTD	3/13/2024 2:15:31 PM	Completed		
	24B3064-20 0.7X	One	T7	50	0	430	TW060823.7200A.CTD	3/13/2024 2:48:28 PM	Completed		
	24B3064-21 0.7X	One	T8	50	0	430	TW060823.7200A.CTD	3/13/2024 3:21:22 PM	Completed		
	24B3064-22 0.7X	One	T9	50	0	430	TW060823.7200A.CTD	3/13/2024 3:54:19 PM	Completed		
	24B3064-23 0.7X	One	T10	50	0	430	TW060823.7200A.CTD	3/13/2024 4:27:14 PM	Completed		
	24B3064-24 0.7X	One	T11	50	0	430	TW060823.7200A.CTD	3/13/2024 5:00:09 PM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24B3064-25 0.7X	One	T12	50	0	430	TW06082 3.7200A.CTD	3/13/2024 5:33:04 PM	Completed		
	24B3064-26 0.7X	One	T13	50	0	430	TW06082 3.7200A.CTD	3/13/2024 6:05:35 PM	Completed		
	24B3064-27 0.7X	One	T14	50	0	430	TW06082 3.7200A.CTD	3/13/2024 6:38:03 PM	Completed		
	24B3064-28 0.7X	One	T15	50	0	430	TW06082 3.7200A.CTD	3/13/2024 7:10:43 PM	Completed		
	24B3064-29 0.7X	One	T16	50	0	430	TW06082 3.7200A.CTD	3/13/2024 7:43:29 PM	Completed		
	24B3064-30 0.7X	Two	T1	50	0	500	TW06082 3.7200A.CTD	3/13/2024 8:17:25 PM	Completed		
	24B3064-31 0.7X	Two	T2	50	0	430	TW06082 3.7200A.CTD	3/13/2024 8:50:17 PM	Completed		
	24B3064-32 0.7X	Two	T3	50	0	430	TW06082 3.7200A.CTD	3/13/2024 9:23:25 PM	Completed		
	24B3064-33 0.7X	Two	T4	50	0	430	TW06082 3.7200A.CTD	3/13/2024 9:56:01 PM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW06082 3.7200A.CTD	3/13/2024 10:21:48 PM	Completed		
	CLUP	One	T4	50	0	10	TW06082 3.7200A.CTD	3/13/2024 10:46:39 PM	Completed		
	CLUP	One	T4	50	0	500	TW06082 3.7200A.CTD	3/13/2024 11:20:28 PM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW06082 3.7200A.CTD	3/13/2024 11:50:34 PM	Completed		
	CLUP	Two	T5	50	0	10	TW06082 3.7200A.CTD	3/14/2024 12:16:32 AM	Completed		
	24C0251-04 0.7X	Two	T6	50	0	500	TW06082 3.7200A.CTD	3/14/2024 12:50:25 AM	Completed		
	24C0251-06 0.7X	Two	T7	50	0	430	TW06082 3.7200A.CTD	3/14/2024 1:23:11 AM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24C0251-08 0.7X	Two	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 1:56:55 AM	Completed		
	24C0251-09 0.7X	Two	T9	50	0	430	TW06082 3.7200A.CTD	3/14/2024 2:29:51 AM	Completed		
	24C0251-11 0.7X	Two	T10	50	0	500	TW06082 3.7200A.CTD	3/14/2024 3:03:58 AM	Completed		
	24C0251-10 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:31:52 AM	Completed		
	24C0251-10DUP 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:59:34 AM	Completed		
	24C0251-07 2X	Two	T12	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:27:19 AM	Completed		
	24C0251-05 2X	Two	T13	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:55:05 AM	Completed		
	24C0251-03 2X	Two	T14	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:23:18 AM	Completed		
	24C0251-02 2X	Two	T15	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:51:31 AM	Completed		
	24C0251-01 2X	Two	T16	50	0	150	TW06082 3.7200A.CTD	3/14/2024 6:19:29 AM	Completed		
	24C0251-01 10X	Two	T16	50	0	30	TW06082 3.7200A.CTD	3/14/2024 6:46:51 AM	Completed		
	CLUP	One	T4	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:11:47 AM	Completed		
	CLUP	One	T5	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:37:13 AM	Completed		
	CC BC1658	One	T6	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:11:25 AM	Completed		
	CC BC1334	One	T7	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:45:41 AM	Completed		
	CC BC1060	One	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:19:48 AM	Completed		
	CC BC1472	One	T9	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:53:59 AM	Completed		

D:\MassHunter\GCMS\1\data\L031324\

Date	Filename	Lab ID	Sample Info
13 Mar 2024 09:34 am	L24A073001.D	CLUP	
13 Mar 2024 10:00 am	L24A073002.D	BFB	CTIS-612-2182
13 Mar 2024 10:26 am	L24A073003.D	5.0PPBV CCV	CTWS-4166-2059 03/19
13 Mar 2024 10:52 am	L24A073004.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 11:17 am	L24A073005.D	CLUP	
13 Mar 2024 11:51 am	L24A073006.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 12:21 pm	L24A073007.D	MBL 0.7X	1,1,200,290,0.7X
13 Mar 2024 12:54 pm	L24A073008.D	CC BC1058	1,1,200,500,0.4X
13 Mar 2024 01:28 pm	L24A073009.D	CC BC1115	1,1,200,500,0.4X
13 Mar 2024 02:15 pm	L24A073010.D	24B3064-19 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 02:48 pm	L24A073011.D	24B3064-20 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:21 pm	L24A073012.D	24B3064-21 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:54 pm	L24A073013.D	24B3064-22 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 04:27 pm	L24A073014.D	24B3064-23 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:00 pm	L24A073015.D	24B3064-24 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:33 pm	L24A073016.D	24B3064-25 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:05 pm	L24A073017.D	24B3064-26 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:38 pm	L24A073018.D	24B3064-27 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:10 pm	L24A073019.D	24B3064-28 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:43 pm	L24A073020.D	24B3064-29 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 08:17 pm	L24A073021.D	24B3064-30 0.7X	1.74,1,200,500,0.7X
13 Mar 2024 08:50 pm	L24A073022.D	24B3064-31 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:23 pm	L24A073023.D	24B3064-32 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:56 pm	L24A073024.D	24B3064-33 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 10:21 pm	L24A073025.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 10:46 pm	L24A073026.D	CLUP	
13 Mar 2024 11:20 pm	L24A073027.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 11:50 pm	L24A073028.D	MBL 0.7X	1,1,200,290,0.7X
14 Mar 2024 12:16 am	L24A073029.D	CLUP	
14 Mar 2024 12:50 am	L24A073030.D	24C0251-04 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 01:23 am	L24A073031.D	24C0251-06 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 01:56 am	L24A073032.D	24C0251-08 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 02:29 am	L24A073033.D	24C0251-09 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 03:03 am	L24A073034.D	24C0251-11 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 03:31 am	L24A073035.D	24C0251-10 2X	1.5,1,200,150,2X
14 Mar 2024 03:59 am	L24A073036.D	24C0251-10DUP 2X	1.5,1,200,150,2XDUP
14 Mar 2024 04:27 am	L24A073037.D	24C0251-07 2X	1.5,1,200,150,2X
14 Mar 2024 04:55 am	L24A073038.D	24C0251-05 2X	1.5,1,200,150,2X
14 Mar 2024 05:23 am	L24A073039.D	24C0251-03 2X	1.5,1,200,150,2X
14 Mar 2024 05:51 am	L24A073040.D	24C0251-02 2X	1.5,1,200,150,2X
14 Mar 2024 06:19 am	L24A073041.D	24C0251-01 2X	1.5,1,200,150,2X
14 Mar 2024 06:46 am	L24A073042.D	24C0251-01 10X	1.5,1,200,30,10X
14 Mar 2024 07:11 am	L24A073043.D	CLUP	
14 Mar 2024 07:37 am	L24A073044.D	CLUP	
14 Mar 2024 08:11 am	L24A073045.D	CC BC1658	1,1,200,500,0.4X
14 Mar 2024 08:45 am	L24A073046.D	CC BC1334	1,1,200,500,0.4X
14 Mar 2024 09:19 am	L24A073047.D	CC BC1060	1,1,200,500,0.4X
14 Mar 2024 09:54 am	L24A073048.D	CC BC1472	1,1,200,500,0.4X

Sequence Report

3/14/2024 10:34:24 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 9:34:39 AM	Completed		
	BFB	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:00:43 AM	Completed		
	5.0PPBV CCV	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:26:49 AM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 10:52:23 AM	Completed		
	CLUP	One	T4	50	0	10	TW060823.7200A.CTD	3/13/2024 11:17:41 AM	Completed		
	CLUP	One	T4	50	0	500	TW060823.7200A.CTD	3/13/2024 11:51:12 AM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW060823.7200A.CTD	3/13/2024 12:21:16 PM	Completed		
	CC BC1058	One	T6	50	0	500	TW060823.7200A.CTD	3/13/2024 12:54:40 PM	Completed		
	CC BC1115	One	T7	50	0	500	TW060823.7200A.CTD	3/13/2024 1:28:13 PM	Completed		
	24C3064-19 0.7X	One	T6	50	0	430	TW060823.7200A.CTD	3/13/2024 2:15:31 PM	Completed		
	24B3064-20 0.7X	One	T7	50	0	430	TW060823.7200A.CTD	3/13/2024 2:48:28 PM	Completed		
	24B3064-21 0.7X	One	T8	50	0	430	TW060823.7200A.CTD	3/13/2024 3:21:22 PM	Completed		
	24B3064-22 0.7X	One	T9	50	0	430	TW060823.7200A.CTD	3/13/2024 3:54:19 PM	Completed		
	24B3064-23 0.7X	One	T10	50	0	430	TW060823.7200A.CTD	3/13/2024 4:27:14 PM	Completed		
	24B3064-24 0.7X	One	T11	50	0	430	TW060823.7200A.CTD	3/13/2024 5:00:09 PM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24B3064-25 0.7X	One	T12	50	0	430	TW06823.7200A.CTD	3/13/2024 5:33:04 PM	Completed		
	24B3064-26 0.7X	One	T13	50	0	430	TW06823.7200A.CTD	3/13/2024 6:05:35 PM	Completed		
	24B3064-27 0.7X	One	T14	50	0	430	TW06823.7200A.CTD	3/13/2024 6:38:03 PM	Completed		
	24B3064-28 0.7X	One	T15	50	0	430	TW06823.7200A.CTD	3/13/2024 7:10:43 PM	Completed		
	24B3064-29 0.7X	One	T16	50	0	430	TW06823.7200A.CTD	3/13/2024 7:43:29 PM	Completed		
	24B3064-30 0.7X	Two	T1	50	0	500	TW06823.7200A.CTD	3/13/2024 8:17:25 PM	Completed		
	24B3064-31 0.7X	Two	T2	50	0	430	TW06823.7200A.CTD	3/13/2024 8:50:17 PM	Completed		
	24B3064-32 0.7X	Two	T3	50	0	430	TW06823.7200A.CTD	3/13/2024 9:23:25 PM	Completed		
	24B3064-33 0.7X	Two	T4	50	0	430	TW06823.7200A.CTD	3/13/2024 9:56:01 PM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW06823.7200A.CTD	3/13/2024 10:21:48 PM	Completed		
	CLUP	One	T4	50	0	10	TW06823.7200A.CTD	3/13/2024 10:46:39 PM	Completed		
	CLUP	One	T4	50	0	500	TW06823.7200A.CTD	3/13/2024 11:20:28 PM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW06823.7200A.CTD	3/13/2024 11:50:34 PM	Completed		
	CLUP	Two	T5	50	0	10	TW06823.7200A.CTD	3/14/2024 12:16:32 AM	Completed		
	24C0251-04 0.7X	Two	T6	50	0	500	TW06823.7200A.CTD	3/14/2024 12:50:25 AM	Completed		
	24C0251-06 0.7X	Two	T7	50	0	430	TW06823.7200A.CTD	3/14/2024 1:23:11 AM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24C0251-08 0.7X	Two	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 1:56:55 AM	Completed		
	24C0251-09 0.7X	Two	T9	50	0	430	TW06082 3.7200A.CTD	3/14/2024 2:29:51 AM	Completed		
	24C0251-11 0.7X	Two	T10	50	0	500	TW06082 3.7200A.CTD	3/14/2024 3:03:58 AM	Completed		
	24C0251-10 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:31:52 AM	Completed		
	24C0251-10DUP 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:59:34 AM	Completed		
	24C0251-07 2X	Two	T12	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:27:19 AM	Completed		
	24C0251-05 2X	Two	T13	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:55:05 AM	Completed		
	24C0251-03 2X	Two	T14	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:23:18 AM	Completed		
	24C0251-02 2X	Two	T15	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:51:31 AM	Completed		
	24C0251-01 2X	Two	T16	50	0	150	TW06082 3.7200A.CTD	3/14/2024 6:19:29 AM	Completed		
	24C0251-01 10X	Two	T16	50	0	30	TW06082 3.7200A.CTD	3/14/2024 6:46:51 AM	Completed		
	CLUP	One	T4	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:11:47 AM	Completed		
	CLUP	One	T5	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:37:13 AM	Completed		
	CC BC1658	One	T6	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:11:25 AM	Completed		
	CC BC1334	One	T7	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:45:41 AM	Completed		
	CC BC1060	One	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:19:48 AM	Completed		
	CC BC1472	One	T9	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:53:59 AM	Completed		

DATA VALIDATION REPORT

South Shore Outdoor

SDG: 24C0251

Chemical Analyses Performed by:

Con-Test, Pace Analytical Laboratory

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

May 16, 2024

5 Brilliant Avenue, Pittsburgh, PA 15215
412.408.3288 I www.eds-pa.com

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 24C0251

SAMPLE DATES: 02/28/2024

This sample delivery group consist of the following samples:

Sample Identification	Laboratory Identification	TO-15	TO-15 SIM
CVS-SV-2-28022024	24C0251-01	X	
CVS-SV-1-28022024	24C0251-02	X	
5AVE-SSV-3-28022024	24C0251-03	X	
5AVE-IA-3-28022024	24C0251-04	X	X
5AVE-SSV-2-28022024	24C0251-05	X	
5AVE-IA-2-28022024	24C0251-06	X	X
5AVE-SSV-1-28022024	24C0251-07	X	
5AVE-IA-1-28022024	24C0251-08	X	X
5AVE-OA-1-28022024	24C0251-09	X	
SSV-DUP-28022024	24C0251-10	X	
IA-DUP-28022024	24C0251-11	X	X

The samples described above were analyzed via methods USEPA TO-15 and/or USEPA TO-15 SIM to determine the concentrations of trace volatile organic analytes (VOAs) in air samples.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 Data Validation, HW-31, Rev. 6, June 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R”, rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL.

Storage Blanks

No storage blanks were required for this sample delivery group (SDG).

Trip Blanks

No trip blanks were submitted in association with this SDG.

Field Blanks

No field blanks were submitted in association with this SDG.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 24-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Note, no closing continuing calibration verifications were performed in association with this SDG.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the volatile organic analysis (VOA) target compound list (TCL) must be ≥0.05 in both the initial and continuing calibrations with exception of poor response compounds, where RRFs must be ≥0.01. Additionally, the RRF in the closing continuing calibration must be ≥0.01. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05, or <0.01 for poor response compounds, or the RRF for the closing continuing calibration is <0.01 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <30%.

An RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated. Severe performance failures (RSD >90%) require qualification of non-detected results as well.

The %D for continuing calibration must be <30%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated, and non-detects are qualified with "UJ".

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 20 seconds from the associated continuing calibration standard. The area count must be within -60% to +140% range of the associated standard. If area count is >140% non-detected results are not qualified while positive results are qualified "J", estimated. However, when an observed area count is <60%, positive results are qualified "J" estimated while non-detected results are rejected.

The reported analysis for all samples, lab control sample, and associated method blanks had internal standard areas and retention times within QC criteria in all cases.

6. COMPOUND IDENTIFICATION

Volatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound, and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified "NJ", tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J", estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J", estimated.

Tentatively identified compounds were not reported by the laboratory and were not evaluated for this program.

7. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

All LCS accuracy indicators were favorable.

8. MATRIX DUPLICATE

The matrix duplicate (MD) is generated to determine the precision of the analytical procedure in a given sample matrix.

Sample SSV-DUP-28022024 was submitted for MD evaluation in association with this sample delivery group (SDG). Upon evaluation all precision indicators were favorable with the following exception. The observed precision for dichlorodifluoromethane was outside acceptance limits. The result reported for the impacted analyte in the parent sample has been qualified "J" on this basis.

9. REPORTING

No problems were found for this criterion.

10. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

Ethanol exceeded the upper calibration range of the instrument for the samples listed below. The ethanol results have been qualified "J" on this basis.

5AVE-SSV-3-28022024	*5AVE-IA-2-28022024*	*5AVE-OA-1-28022024*
5AVE-IA-3-28022024	*5AVE-IA-1-28022024*	*IA-DUP-28022024*

In addition, isopropanol and methyl ethyl ketone (2-Butanone) exceeded the upper calibration range of the instrument for samples5AVE-IA-3-28022024 and IA-DUP-28022024 respectively. The impacted results reported in these cases have been qualified "J" on this basis.

11. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-IA-2-282024 and IA-DUP-28022024 were submitted as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated with the exception of ethyl acetate and 2-butanone. The results for the impacted analytes in the field duplicate samples have been qualified "J" on this basis.

Samples 5AVE-SSV-2-28022024 and SSV-DUP-28022024 were submitted as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated with the exception of ethanol. The results for the impacted analyte in the field duplicate samples have been qualified "J" on this basis.

12. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Clean canisters were used to transport air samples in this SDG. All criteria were met to ensure containers were appropriate for sample storage.

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	NA		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Duplicate			x
Laboratory Control Sample	x		
Reporting	x		
Other Quality Control Data out of Specification			x
Field Duplicate			x

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Attachment B

Daily Field Reports

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DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Monday Date: 10 July 2023

Temperature: (F) 75–82 F

Wind Direction: NNW, 8 mph

Weather: Partly cloudy, intermittent overcast skies

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0730 (am)

Leave site: 1715 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Heavy traffic; situational awareness
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- AARCO off loaded drums and set up pad at the designated staging area, south of the 5th Ave Plaza.
- EA conducted synoptic gauging of on-site and off-site wells.
- EA attempted to sample off-site monitoring wells but could not purge groundwater using peristaltic pump due to low hydraulic head.
- AARCO advanced the SP-16 sampler to 57 ft. at CLAR-DPT-1; EA collected three discrete grab groundwater samples.
- Ongoing coordination with EA, AARCO and 811 on the status of pending tickets.

Drilling/ In-Situ Groundwater Sampling

- CLAR-DPT-1 was drilled to a total depth of 57 ft; grab groundwater samples were collected from three discrete intervals:
  Sample CLAR-DPT-1-35 and MS/MSD samples from 34-38 ft
  Sample CLAR-DPT-1-45 from 43-47 ft
  Sample CLAR-DPT-1-55 and field duplicate (DPT-DUP-1) from 53-57 ft

Groundwater Monitoring Well Gauging

- EA gauged MW-3R, MW-5SR, MW-5DR, MW-1R, CW-01, and FN-19.

Soil Vapor Point Installation and Sampling

- none

DAILY FIELD REPORT
South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Monday Date: 10 July 2023

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Jeremy Fontaine

AARCO personnel: Rob Allegrezza; Warren James

EA equipment: Peristaltic pump, water quality meter, PID, water level meter.

(*Indicates active equipment)

VISITORS TO SITE:
None

PROJECT SCHEDULE ISSUES:

Pending utility clearances.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:
As of COB on 7/10/2023, the proposed drilling locations on Claremont Ave are the only areas that have been cleared of all utilities.

COMMENTS:

EA will attempt to purge and sample groundwater monitoring wells CW-01 and FN-19 using bailers or a submersible pump on 7/13.

ATTACHMENT(S) TO THIS REPORT:
Site photos

SITE REPRESENTATIVE:

Name: Jeremy Fontaine

Jeremy M. Fontaine



Location of CW-01 on Candlewood Rd (looking NNE toward CVS).



FN-19 on the Entenmann's property.

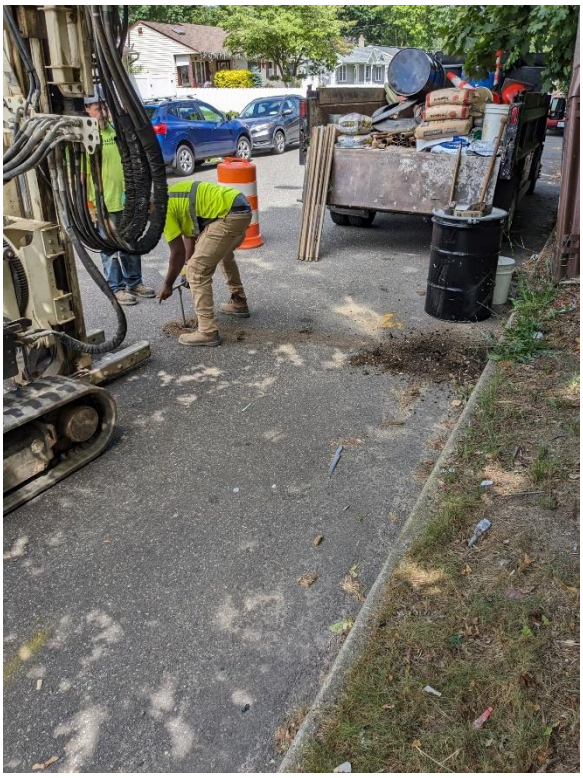
Day: Monday Date: 10 July 2023



AARCO hand clearing at CLAR-DPT-1 on Claremont Ave.



Location of Geoprobe rig on Claremont Ave (looking east from 5th Ave).





Hand cleared surface material from CLAR-DPT-1.



CLAR-DPT-1 upon completion.

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Tuesday Date: 11 July 2023

Temperature: (F) 78–87 F

Wind Direction: WNW, 6 mph / N, 11 mph
Weather: Clear and sunny

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0730 (am)

Leave site: 1800 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Heavy traffic; situational awareness
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Soil boring/in-situ groundwater sampling at CLAR-DPT-2, 5AVE-DPT-3, and 5AVE-DPT-2.
- Installed SVPs at 5AVE-SV-2 and 5AVE-SV-1.

Drilling/ In-Situ Groundwater Sampling

- CLAR-DPT-2 was drilled to a total depth of 57 ft; grab groundwater samples were collected from three discrete intervals:
  Sample CLAR-DPT-2-35 from 33-37 ft
  Sample CLAR-DPT-2-45 from 43-47 ft
  Sample CLAR-DPT-2-55 from 53-57 ft

- 5AVE-DPT-3 was drilled to a total depth of 52 ft; grab groundwater samples were collected from two discrete intervals:
  Sample 5AVE-DPT-3-40 from 38-42 ft
  Sample 5AVE-DPT-3-50 from 48-52 ft
  *(the water table was encountered below 37 ft at this location; groundwater samples were therefore collected at deeper intervals)

- 5AVE-DPT-2 was drilled to a total depth of 47 ft; grab groundwater samples were collected from two discrete intervals:

Sample 5AVE-DPT-2-35 from 33-37 ft
Sample 5AVE-DPT-2-45 from 43-47 ft

Soil Vapor Point Installation and Sampling

- 5AVE-SV-2 was drilled to 10 ft, and a SVP was installed, screened from 9.5-10 ft
- 5AVE-SV-1 was drilled to 10 ft, and a SVP was installed, screened from 9.5-10 ft

Groundwater Monitoring Well Gauging

- none

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Jeremy Fontaine

AARCO personnel: Rob Allegrezza; Warren James

EA equipment: Peristaltic pump, water quality meter, PID, water level meter.

(*Indicates active equipment)

VISITORS TO SITE:

DEC personnel: Steeven Imbaquingo (PM), Robert DeCandia, Christopher Aucoin

On-site from 11:00 to 18:00.

PROJECT SCHEDULE ISSUES:

None.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

None.

COMMENTS:

None.

ATTACHMENT(S) TO THIS REPORT:

Site photos

SITE REPRESENTATIVE:

Name: Jeremy Fontaine

Jeremy M Fontaine

Day: Tuesday Date: 11 July 2023



Staged at CLAR-DPT-2 on Claremont Ave (looking east).



CLAR-DPT-2 location.



CLAR-DPT-2 upon completion (looking north).



Staged at 5AVE-DPT-3 in the 5th Ave Plaza (looking south).



Staged at 5AVE-DPT-3 in the 5th Ave Plaza.



5AVE-DPT-3 upon completion (looking west).



Staged at 5AVE-SV-2 in the 5th Ave Plaza (looking northeast).



Staged at 5AVE-SV-2.



SVP sampling screen.

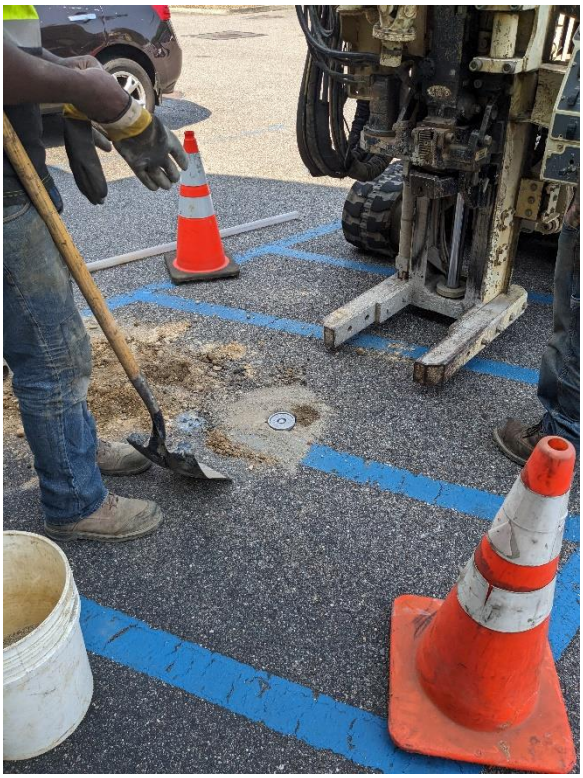


¼ inch tubing.

Day: Tuesday Date: 11 July 2023



Installing 5AVE-SV-2.



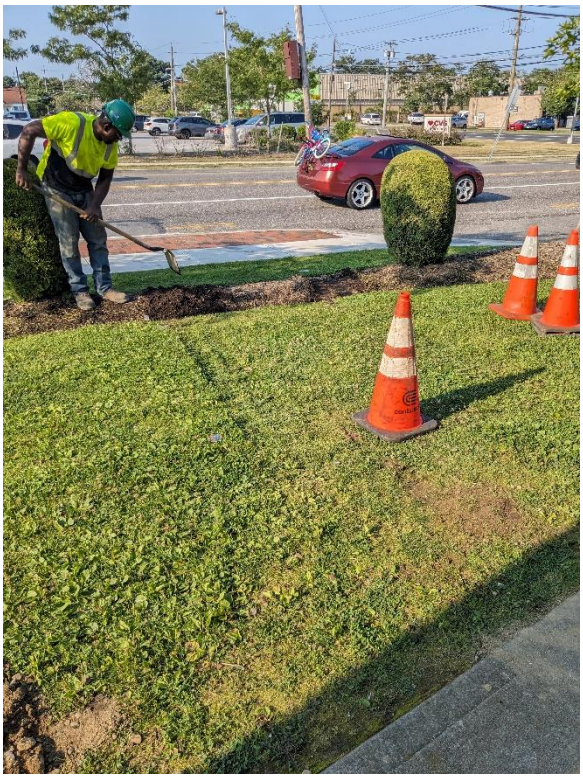
5AVE-SV-2.



Location of 5AVE-DPT-2 (foreground) and 5AVE-SV-1 (being hand cleared) at the NE corner of Dunkin' and Baskin-Robbins.



5AVE-SV-2 upon completion.



Location of 5AVE-DPT-2 / 5AVE-SV-1 at end of day. AARCO took care to minimize disturbance to the ground surface.

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Wednesday Date: 12 July 2023

Temperature: (F) 80–91 F

Wind Direction: W, 2 mph / SSW, 19 mph
Weather: Clear and sunny

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0730 (am)

Leave site: 1630 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Vehicular safety; excessive heat/hot weather
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Soil boring/in-situ groundwater sampling at ABI-DPT-1 and ABI-DPT-2.
- Installed SVP at ABI-SV-1.

Drilling/ In-Situ Groundwater Sampling

- ABI-DPT-1 was drilled to a total depth of 47 ft; grab groundwater samples were collected from two discrete intervals:
  Sample ABI-DPT-1-35 from 33-37 ft
  Sample ABI-DPT-1-45 from 43-47 ft

- ABI-DPT-2 was drilled to a total depth of 47 ft; grab groundwater samples were collected from two discrete intervals:
  Sample ABI-DPT-2-35 from 33-37 ft
  Sample ABI-DPT-2-45 from 43-47 ft

Groundwater Monitoring Well Gauging

- none

Soil Vapor Point Installation and Sampling

- ABI-SV-1 was drilled to 10 ft, and an SVP was installed, screened from 9.5-10 ft

DAILY FIELD REPORT
South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Wednesday Date: 12 July 2023

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Jeremy Fontaine
Onsite from 07:30 to 16:30

AARCO personnel: Rob Allegrezza; Tim Terlaga
Onsite from 07:30 to 16:00

EA equipment: Peristaltic pump, water quality meter, PID, water level meter.

(*Indicates active equipment)

VISITORS TO SITE:
DEC personnel: Steeven Imbaquingo (PM), Robert DeCandia, Christopher Aucoin

On-site from 07:30 to 11:00.

PROJECT SCHEDULE ISSUES:

See comments below.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:
See comments below.

COMMENTS:

AARCO attempted to complete a boring at BEL-DPT-2, but while retrieving tooling from the borehole, the SP-16 screen broke from the sampler sheath. This occurred around 15:15. The drillers informed EA that a replacement screen would be brought to the site on 7/13.

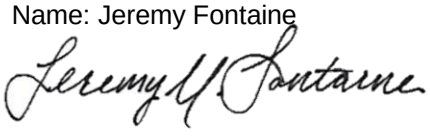
EA anticipates completing drilling activities on 7/13 with BEL-DPT-1, BEL-DPT-2, and 5AVE-DPT-1.

EA will be conducting soil vapor sampling at the newly installed SVPs, and sampling monitoring wells CW-01 and FN-19 on 7/13.

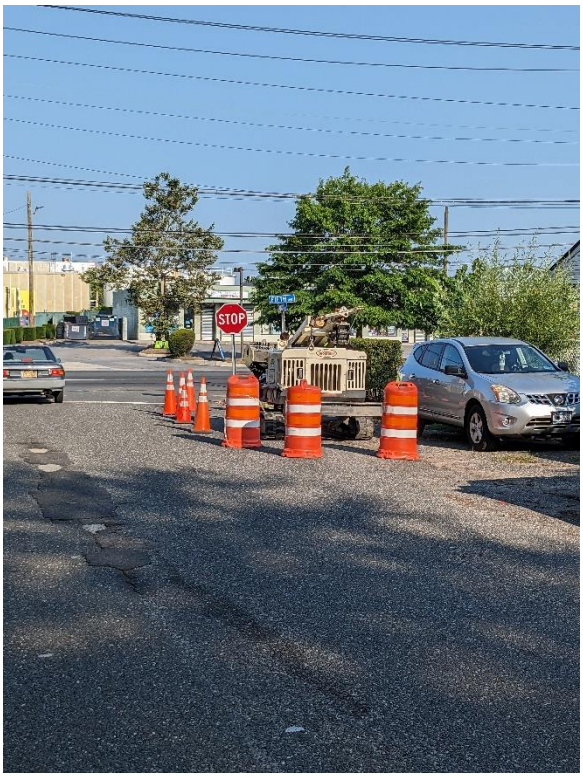
ATTACHMENT(S) TO THIS REPORT:
Site photos

SITE REPRESENTATIVE:

Name: Jeremy Fontaine



Day: Wednesday Date: 12 July 2023



Staged at ABI-SV-1 / ABI-DPT-1 on Abingdon Ave (looking WNW).



Staged at ABI-SV-1 / ABI-DPT-1 on Abingdon Ave (looking north).



ABI-SV-1 upon completion.



Location of ABI-DPT-1, relative to ABI-SV-1.

Day: Wednesday Date: 12 July 2023



Staged at ABI-DPT-2 on Abingdon Ave (looking northwest).

Day: Wednesday Date: 12 July 2023



Location of Geoprobe rig, near BEL-DPT-2 on Belgrave Ave (looking south)

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Thursday Date: 13 July 2023

Temperature: (F) 80–86 F

Wind Direction: SW, 7 mph / SSE, 6 mph
Weather: Clear and sunny

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0700 (am)

Leave site: 1900 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Vehicular safety; excessive heat/hot weather
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Soil boring/in-situ groundwater sampling at BEL-DPT-2, BEL-DPT-1, and 5AVE-DPT-1.
- Soil vapor sampling at ABI-SV-1, 5AVE-SV-2, and 5AVE-SV-1.
- Groundwater sampling at FN-19 and CW-01.
- Treated approximately 40 gallons of aqueous IDW using a 5-gallon carbon pail.

Drilling/ In-Situ Groundwater Sampling

- BEL-DPT-2 was drilled to a total depth of 57 ft; grab groundwater samples were collected from three discrete intervals:
  Sample BEL-DPT-2-35 from 33-37 ft
  Sample BEL-DPT-2-45 from 43-47 ft
  Sample BEL-DPT-2-55 from 53-57 ft

- BEL-DPT-1 was drilled to a total depth of 57 ft; grab groundwater samples were collected from three discrete intervals:
  Sample BEL-DPT-1-35 from 33-37 ft
  Sample BEL-DPT-1-45 from 43-47 ft
  Sample BEL-DPT-1-55 from 53-57 ft

- 5AVE-DPT-1 was drilled to a total depth of 52 ft; grab groundwater samples were collected from two discrete intervals:
  Sample 5AVE-DPT-1-40 and MS/MSD samples from 38-42 ft
  Sample 5AVE-DPT-1-50 and field duplicate (DPT-DUP-2) from 48-52 ft
  *(the water table was encountered below 37 ft at this location; groundwater samples were therefore collected at deeper intervals)

Groundwater Monitoring Well Sampling

- Monitoring wells FN-19 and CW-01 were purged and sampled for VOCs via EPA low-flow methodology using a submersible pump. The following samples were collected from the screened intervals:
  Sample FN-19-13072023 and MS/MSD samples
  Sample CW-01-13072023 and field duplicate (MW-DUP-1)

Soil Vapor Point Installation and Sampling

- Soil vapor points ABI-SV-1, 5AVE-SV-2, and 5AVE-SV-1 were purged and sampled for VOCs. The following samples were collected from the screened intervals:
  ABI-SV-1-13072023 and field duplicate (SV-DUP-1)
  5AVE-SV-2-13072023
  5AVE-SV-1-13072023

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel:

Jeremy Fontaine (on-site from 07:00 to 19:00)
Moriah Gilkey (on-site from 09:00 to 19:00)

AARCO personnel:

Warren James & Jose Garcia Sr. (on-site from 07:30 to 17:38)

EA equipment:

Peristaltic pump, submersible pump, water quality meters, PID, water level meters

(*Indicates active equipment)

VISITORS TO SITE:

AARCO personnel:

Chris Stratton (PM – on-site from 07:15 to 07:30)
Roger Terlaga (VP – on-site from 09:40 to 09:50)

PROJECT SCHEDULE ISSUES:

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

None.

COMMENTS:

None.

ATTACHMENT(S) TO THIS REPORT:

Site photos.

SITE REPRESENTATIVE:

Name: Jeremy Fontaine

Jeremy M Fontaine

Day: Thursday Date: 13 July 2023



Staged at BEL-DPT-2 on Belgrave Ave (looking NNE).



Staged at BEL-DPT-2 on Belgrave Ave (looking NNW).

Day: Thursday Date: 13 July 2023



Staged at BEL-DPT-1 on the southeast corner of Belgrave Ave (looking SW).



Staged at 5AVE-DPT-1 to the north of the Fifth Avenue Plaza (looking southwest).

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Friday Date: 14 July 2023

Temperature: (F) 76–82 F

Wind Direction: ESE, 7 mph

Weather: Overcast with chance of thunderstorms.

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0915 (am)

Leave site: 1515 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
n/a

Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Cleaned site staging area, disposed of trash, packed up field equipment, and took reference photos of decontamination pad and IDW drums.
- Coordinated pad and empty drum (after water treatment) pickup with AARCO.
- Troubleshooted Trimble Geo7X handheld GPS.
- Collected GPS coordinates and reference photos of final boring and SVP locations.
- Prepared VOC and PFAS sample coolers for submission to analytical laboratory; delivered samples to Pace Analytical Long Island.

Drilling/ In-Situ Groundwater Sampling

- None

Groundwater Monitoring Well Sampling

- None

Soil Vapor Sampling

- None

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel:

Jeremy Fontaine (on-site from 09:15 to 10:15; and from 13:00 to 15:15)

Day: Friday Date: 14 July 2023

EA equipment:

Trimble Geo7X handheld GPS.

(*Indicates active equipment)

VISITORS TO SITE:

None.

PROJECT SCHEDULE ISSUES:

None.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

None.

COMMENTS:

None.

ATTACHMENT(S) TO THIS REPORT:
Site photos.

SITE REPRESENTATIVE:

Name: Jeremy Fontaine



Day: Friday Date: 14 July 2023



Decon pad and IDW drums at the site staging area.

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Tuesday Date: 27 February 2024

Temperature: (F) 54 F

Wind Direction: S, 13 mph
Weather: Clear and sunny

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 1200 (pm)

Leave site: 0500 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Vehicular safety
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Installed soil vapor points (SVPs) at CVS-SV-1 and CVS-SV-02 utilizing direct push methods.
- Gauging of on-site and off-site monitoring wells (MW-1R, MW-3R, MW-5SR, MW-5DR, CW-01, and FN-19).
- Check-in with the tenants at 5th Ave Plaza with proposed sampling locations.

Soil Vapor Point Installation and Sampling

- Both points were drilled to a target depth of 10 ft below ground surface (bgs) and an SVP was installed with a 6-inch stainless steel sampling screen from 9.5-10 ft bgs.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Moriah Gilkey and Katie Cassidy

Onsite from 1200 to 1700

AARCO personnel: Selvin Hernandez and helper

Onsite from 1200 to 1330

EA equipment: PID, water level meter.

(*Indicates active equipment)

VISITORS TO SITE:

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Tuesday Date: 27 February 2024

PROJECT SCHEDULE ISSUES:

See comments below.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

When EA contacted 5th Avenue Plaza tenants about air sampling none of them had been informed. One tenant said that they did not want any work performed in this store. EA provided all tenants with contact info for the field crew and EA and NYSDEC PM. EA contacted the property management team to make sure that the tenants were informed about the work happening.

COMMENTS:

EA will be conducting soil vapor sampling at the newly installed SVPs after a leak test, and perform sub-slab point installation/sampling and indoor/outdoor air sampling at the 5th Avenue Plaza the following day.

ATTACHMENT(S) TO THIS REPORT:

Site photos

SITE REPRESENTATIVE:

Name: Moriah Gilkey

Day: Tuesday Date: 27 February 2024

Photolog



Completed CVS-SV-1 (wet concrete)



Completed CVS-SV-2 (wet concrete)

Day: Tuesday Date: 27 February 2024



Location of CVS-SV-2



Barbed wire near FN-19

Day: Tuesday Date: 27 February 2024



Location and condition of CN-1

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Wednesday Date: 28 February 2024

Temperature: (F) 54 F

Wind Direction: SSW, 19 mph
Weather: Rain/Cloudy

Project Name:
South Shore Outdoor-Off-Site
NYSDEC Site #
C152228A
Contract #
D009806-33
Location:
West Islip, New York

Arrive at site: 0815 (am)

Leave site: 0945 (pm)

HEALTH & SAFETY:

Tailgate Safety Topic of the Day:
Vehicular safety
Are there any changes to the Health & Safety Plan? Yes ( ) No (x)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes (x) No ( )

DESCRIPTION OF DAILY WORK PERFORMED:

- Installed a sub-slab vapor point in three businesses – Dunkin' Donuts, a vacant cigar shop, and Caballeritas Variedad (El Salvador Variety Shop).
- Leak tested all sub-slab points at 5th Ave Plaza. All points passed the leak test on first try.
- Sampled sub-slab vapor, indoor air and outdoor air at the 5th Ave Plaza using 9 6L summa canisters total with 8- hour regulators. Indoor air duplicate and the sub slab soil vapor duplicate were taken at 5AVE-IA-2 and 5AVE-SSV-2 respectively.
- Repaired sub-slab points after sampling with fast setting concrete.
- Leak tested the soil vapor points at the CVS property. Both soil vapor points passed the leak test.
- Sampled the soil vapor points at the CVS property using two 6L summa canisters with 2-hour regulators.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Moriah Gilkey and Katie Cassidy
Onsite from 0800 to 2145

EA equipment: PID, water level meter. Helium detector, Gil air pump, Fluke
(*Indicates active equipment)

DAILY FIELD REPORT

South Shore Outdoor-Off-Site
Site Characterization Activities

Day: Wednesday Date: 28 February 2024

VISITORS TO SITE:

PROJECT SCHEDULE ISSUES:

See comments below.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

COMMENTS:

The first point that was drilled at the vacant cigar shop had a blockage about 4” down – EA attempted to clear but tubing would not continue to ground surface. EA patched the hole and redrilled in a different location. The second location at the vacant cigar shop was successful. Pictures below.

ATTACHMENT(S) TO THIS REPORT:

Site photos

SITE REPRESENTATIVE:

Name: Moriah Gilkey

Day: Wednesday Date: 28 February 2024

Photolog



First Location at the vacant cigar shop that was unsuccesful (patched)



Patched second point at the vacant cigar shop after sampling

Day: Wednesday Date: 28 February 2024



Sub-slab set up at the El Salvador Variety Shop



Sub-slab set up at Dunkin

Day: Wednesday Date: 28 February 2024



Soil vapor point at CVS (CVS-SV-1)



Soil Vapor point at CVS (CVS-SV-2)

Day: Wednesday Date: 28 February 2024



Patched point at El Salvador Variety Shop after sampling



Patched point at Dunkin' after sampling

Attachment C

Field Forms

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MONITORING WELL GAUGING LOG

Inspector(s): J. Fontaine

Weather Conditions: 75° F; Partly Cloudy

Site Name: South Shore Outdoor (#1602533)(152228)

Date/Time: 07/10/23 0845 – 1000

Well ID	PID Reading (ppm)	DTW (ft. below TOC)	DTB (ft. below TOC)	Well Condition / Notes
MW-3R	0.3	32.86	43.1	
MW-5SR	3.0	33.46	38.25	
MW-5DR	1.5	33.39	43.9	
MW-1R	0.7	34.06	42.80	
CW-01	0.6	36.09	57.0	
FN-19	0.4	37.81	49.14	

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: FN-19	EA Personnel: M. Gilkey	Client: NYSDEC
Location: Bay Shore, NY South Shore Outdoor	Well Condition: Good	Weather: 89°F Sun
Sounding Method: Heron WLM	Gauge Date: 7/13/23	Measurement Ref: TOC
Stick Up/Down (ft): Stick up ~3 ft	Gauge Time: 1400	Well Diameter (in): 4"

Purge Date: 7/13/23	Purge Time: ~~1612~~ 1612
Purge Method: Low flow - submersible	Field Technician: M. Gilkey

Well Volume

A. Well Depth (ft): 48.09	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 37.91	E. Well Volume (gal) C*D): 6.646	Pump Type: Geo2Sub pump
C. Liquid Depth (ft) (A-B): 10.18	F. Three Well Volumes (gal) (E3): ~~19.938~~ 19.938	Pump Intake Depth: ~45' bTOC

Water Quality Parameters

Time (hrs)	Temperature (oC) ✓	pH (pH units) ✓	ORP (mV) ✓	Conductivity (S/m) ✓	Turbidity (ntu) ✓	DO (mg/L) ✓	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1614	29.31	5.016	239	0.461	57.2	2.99	~~0.25~~	0.25	
1617	26.76	5.53	237	0.427	55.9	1.94	37.96	0.25	1.25
1620	25.69	5.36	234	0.423	56.4	1.73	37.96	0.25	2.5
1623	24.70	5.33	211	0.420	50.5	1.73	37.96		3.75
1626	23.88	5.29	192	0.418	46.0	1.45	37.96		45.0
1629	23.57	5.29	169	0.415	41.6	1.38	37.96		6.25
1632	23.33	5.24	154	0.412	40.9	1.24	37.96		7.5
1635	23.31	5.23	150	0.411	41.6	1.21	37.96		8.75
1638	23.22	5.24	142	0.408	36.9	1.16	37.96		10.0
1641	23.07	5.25	133	0.405	34.5	1.10	37.96		11.25
1644	23.06	5.26	129	0.404	32.9	1.03	37.96		12.5
1647	23.08	5.28	~~124~~ 124	0.404	32.2	1.04	37.96		13.75
1650	23.13	5.32	~~110~~ 119	0.405	~~29.7~~ 29.7	1.00	37.96		1500
1653	23.26	5.36	114	0.405	28.1	0.97	37.96		16.25
1656	23.30	5.37	110	0.405	27.8	0.96	37.96		17.5
1659			SAMPLE						
1702									

Total Quantity of Water Removed (gal): _____

Samplers: M. Gilkey

Sampling Date: 7/13/23

Sampling Time: 1656

Split Sample With: MS/MSD

Sample Type: GRAB

COMMENTS AND OBSERVATIONS:

SAMPLE ID: FN-19-13072023

Analysis: VOCs 8260D

* 1647 & 1650 was reading wrong units of ORP - Revised

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: CW-01	EA Personnel: M. Gilkey	Client: NYSDEC #152228
Location: Bayshore, NY Southshore Outdoor	Well Condition: Good	Weather: 80°F; Sun
Sounding Method: Heron WLM	Gauge Date: 07/13/23	Measurement Ref: TOC
Stick Up/Down (ft): Flush	Gauge Time: 1745	Well Diameter (in): 4"

Purge Date: 7/13/23	Purge Time: 1800
Purge Method: Low Flow - submersible.	Field Technician: M. Gilkey

Well Volume

A. Well Depth (ft): 56.98	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 36.15	E. Well Volume (gal) C*D): 13.60	Pump Type: Geo2 Sub
C. Liquid Depth (ft) (A-B): 20.83	F. Three Well Volumes (gal) (E3): 40.80	Pump Intake Depth: ~ 53 ft bTOC

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH ✓ (pH units)	ORP ✓ (mV)	Conductivity ✓ (S/m)	Turbidity ✓ (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1800	25.69	5.81	173	0.201	71.6	5.11	36.15	0.25	0
1803	23.41	5.55	196	0.208	60.1	4.65	36.10		1.25
1806	22.61	5.60	199	0.217	43.0	5.02	36.12		2.5
1809	20.57	5.65	209	0.220	34.1	5.17	36.12		3.75
1812	20.65	5.23	237	0.222	31.5	4.78	36.15		5.0
1815	20.66	5.23	240	0.223	29.4	4.70	36.18		6.25
1818	20.61	5.24	243	0.225	26.6	4.69	36.19		7.50
1821	20.59	5.24	246	0.226	23.5	4.74	36.20		8.75
1824	20.56	5.24	249	0.228	19.8	4.69	36.21		10.0
1827			SAMPLE						

Total Quantity of Water Removed (gal):		Sampling Time:	1824
Samplers:	M. Gilkey	Split Sample With:	~~Blank~~ MW-DUP-1
Sampling Date:	7/13/23	Sample Type:	~~GRAB~~

COMMENTS AND OBSERVATIONS:

SAMPLE ID: CW-01-20230713

Analysis: VOCs - 8260D

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 07/13/2023
TIME: 1500
METER ID: 14523

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	3.99	4.01

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.46	4.57

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.5

COMMENTS

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 7/10/23
TIME: 1115
METER ID: 14258

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	6.18	3.99

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.46	4.51

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	1.1	0.0

COMMENTS

SIGNATURE

FIELD CALIBRATION FORM

Site Name: Southshore Outdoor (152228)

INSTRUMENT: Honeywell MiniRAE 3000T	INSTRUMENT ID No: 042454
OPERATOR: M. Gilfoey	WEATHER: 82°F; Sun
SPAN GAS TYPE: Isobutylene	DATE: 7/13/2023
CALIBRATION NOTES: start 0930	
zero Cal : 0.0 ppm	
Span Call : 100.1 ppm	
Hummidity : 65%	
Pressure: 29.92" Hg	
Dew point: 69°	
Wind: 8 mph SSW (15 mph gust)	
COMMENTS:	
SIGNATURE: M Gilfoey	DATE: 7/13/2023

FIELD CALIBRATION FORM

Site Name: South Shore Outdoor

INSTRUMENT: PID	INSTRUMENT ID No:
OPERATOR: J. Fontaine	WEATHER: 75°F, partly cloudy
SPAN GAS TYPE: 100 ppm Isobutylene	DATE: 7/10/23
CALIBRATION NOTES: 0847	
Zero cal = 0.0 ppm	
Spam cal = 99.9 ppm	
COMMENTS:	
SIGNATURE:	DATE: 07/10/2023

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information:

Site ID Number:	NY 15228	EA 16025533		Sampler(s):	M-Gilkey
PID Meter Used (Model, Serial #):	Honeywell miniRAE 3000+			Soil Vapor I.D. No.:	SAVE-SV-1

SUMMA Canister Record:

	SOIL VAPOR POINT	DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	4359	
Canister Serial No.:	1478	
Start Date/Time:	07/13/2023 1350	
Start Pressure: (inches Hg)	-30 inHg	
Stop Date/Time:	07/13/2023 1540	
Stop Pressure: (inches Hg)	-6 inHg	
Sample ID:	SAVE-SV-1-13072023	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	70.4%	Depth to sample point:	10ft bottom
Tracer Gas test result (% of Helium):	4.8%	Nearest Groundwater Elevation:	~ 36ft bTOC
Noticeable Odor?	No	Additional info:	
Purge Volume PID Reading (ppb)	0.0 ppm		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	86°F		
Wind Direction:	13 Smph		

Comments:

Leak test
He in Shroud: 70.4%(Peak) If He in Bag is under 7.04%
He in Bag: 4.8% the pt. passes the leak test
PID in Bag: 0.0 ppm
Pass? (Yes) ✓

Sampler Signature: Mann Gilkey

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228 (1602533)
Project Name: South Shore Outdoor
Location: Bayshore NY
Project Manager: Kritika Thapa

Sample Location Information: NYSDEC# EA #

Site ID Number:	152228	1602533		Sampler(s):	M-Gilkey
PID Meter Used (Model, Serial #):	Honeywell miniRAE 3000+			Soil Vapor I.D. No.:	5AVE-SV-2

SUMMA Canister Record:

	SOIL VAPOR POINT	DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	4439	
Canister Serial No.:	1625	
Start Date/Time:	07/13/2023 1229	
Start Pressure: (inches Hg)	-30Hg	
Stop Date/Time:	07/13/2023 1424	
Stop Pressure: (inches Hg)	-6 "Hg	
Sample ID:	5AVE-SV-2-13072023	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	≥0.4%	Depth to sample point:	10ft to bottom
Tracer Gas test result (% of Helium):	0.0ppm	Nearest Groundwater Elevation:	
Noticeable Odor?	(0 in pt; store odor)	Additional info:	
Purge Volume PID Reading (ppb)	0.0ppm		
Duplicate Sample?	NO		
Outdoor Ambient Temperature:	86°F		
Wind Direction:	13mph South		

Comments:

Leak test (1215)
He in Shroud: ≥0.4% (Peak)
He in Bag: 0.0 ppm
PID in Bag: 0.0 ppm
Purge (V) 0

Sampler Signature: M-Gilkey

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228 (16025533)
Project Name: Bayln Shore Outdoor
Location: Bay Shore
Project Manager: Kritika Thapa

Sample Location Information:

Site ID Number:	NYSDEC 152228	EA 16025533		Sampler(s):	M. Gilkey
PID Meter Used (Model, Serial #) :	Honeywell MiniRAE 3000+			Soil Vapor I.D. No.:	ABI-SV-1

SUMMA Canister Record:

	SOIL VAPOR POINT		DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	4336	Flow Regulator No.:	4336
Canister Serial No.:	1471	Canister Serial No.:	1322
Start Date/Time:	07/13/2023 1055	Start Date/Time:	07/13/2023 1055
Start Pressure: (inches Hg)	-30 "Hg	Start Pressure: (inches Hg)	-30" Hg
Stop Date/Time:	07/13/2023 1243	Stop Date/Time:	07/13/2023 1243
Stop Pressure: (inches Hg)	-6 "Hg	Stop Pressure: (inches Hg)	-6 "Hg
Sample ID:	ABI-SV-1-13072023	Sample ID:	SV-DUP-1

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	70.3%	Depth to sample point:	10ft to bottom
Tracer Gas test result (% of Helium):	0.0 ppm	Nearest Groundwater Elevation:	~36ft bTOC
Noticeable Odor?	NO	Additional info:	
Purge Volume PID Reading (ppb)	0.0 ppm		
Duplicate Sample?	Yes		
Outdoor Ambient Temperature:	82°F		
Wind Direction:	SSW (8mph)		

Comments:

Leak Test (1030)
He in Shroud (Peak) = 70.3%)
He in Bag ( ) = 0.0 ppm
Pass? Yes (✓)
PID of Bag = 0.0 ppm

Sampler Signature: M. Gilkey

South Shore
1602533.

7/10/23

0730 · J. Fontaine on site. Called Rob Allegrezza. Met drillers in CVS parking lot, Signed in. Conducted safety briefing — focusing on heavy traffic / situational awareness. Discussed plan for 7/10 — start w/ SVPs, Specs, locations.

0800 AARCO mob to office to retrieve supplies (tubing, points, manways, concrete). J. Fontaine scoped mark-outs near Baskin-Robbins. Water, power, telecom, and gas present, but no sewer — despite storm drains in vicinity. Called E. Ashton to discuss. E. Ashton called C. Stratton (AARCO PM). Waiting on response from AARCO / surveyors. Cannot start drilling before sewer is marked out. 48-hr hold on tickets for sewer.?

0825 Awaiting further guidance. Marked off SVP locations w/ cones.

0847 Calibrated PID. (100 ppm Isobutylene)
Zero cal = 0.0 ppm.
Span cal = 99.9 ppm.

0850 Weather: 75 F, partly cloudy.
MW-3R
PID = 0.3 ppm

0855 DTW = 32.86
MW-5SR
PID = 3.0 ppm

0910 DTW = 33.46
MW-5DR
PID = 1.5 ppm.

0913 DTW = 33.39
MW-1R
PID = 0.7 ppm
DTW = 34.06

0921 AARCO returned to site w/ SVP equip. Informed them of mark-out situation — pending sewer. Wells FN-19 and CW-01 appear to be located in a gated area secured w/ a combo lock. Called M. Fischl for

0950. assistance — left message. Coordinated w/ K. Thapa on location of CW-01.
CW-01
PID = 0.6 ppm.

1024 DTW = 36.09

1035 Directed AARCO to the staging area to set up drums / pad while I finish gauging / sampling MWs.

1045 M. Fischl + D. Brewer called w/

Rite in the Rain

South Shore
1602533 7/10/23

combo to gated area on Entenmann's property - 1724.
FN-19
PID = 0.4 ppm (not sealed)

1102 DTW = 37.81 ↳TOC
1115 Began calibrating Horiba.

pH	5.18 → 3.99
cond (mS/cm)	4.46 → 4.51
NTU	1.1 → 0.0

1120 Moved to FN-19. Set up.
1141 Began purging GW at FN-19 - no water
1143 Stopped to adjust height of tubing.
1147 Replaced tubing and tried again. Water ~38 ft. Insufficient hydraulic head to extract GW w/ peristaltic pump.
Consulted w K. Thapa, M. Gilkey. Will attempt to sample w/ stainless steel bailer at future date.
Packed equip/supplies and returned to vehicle.
1300 Met AARCO back at CVS lot.
1326 Called K. Thapa for update on markouts. Walked site.
1337 Called Chris Stratton for update on tickets. Claremont is cleared. ✓

South Shore
1602533 7/10/23

1420 Mob to Claremont.
1430 Began staging at CLAR-DPT-1
1448 AARCO began drilling through asphalt at CLAR-DPT-1.
1457 hand cleared to 5'.
Odor noted during clearing. — doesn't seem to be petro-like
no discernable reading on PID above ambient of 0.3 ppm
1459 Began advancing the SP-16 4 ft screen 34-38 ft. ✓
1506 Deployed tubing, began pumping
1515 Collected CLAR-DPT-1-35 for VOCs
Collected MS/MSD samples here.
AARCO removed tooling, deconned
Redeployed to 47'. (43-47')
1553 Began purging w/ check valve.
1555 Collected CLAR-DPT-1-45 for VOCs.
Rob noted an odor of 'old product' during sampling. I could not detect anything and the PID did not read above ambient.
Retrieved tooling, deconned.
Redeployed to 57'. (53-57')
Purged w/ check valve.
1637 Collected CLAR-DPT-1-55 for VOCs
Collected DPT-DUP-1 as well

Rite in the Rain

South Shore
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7/10/23

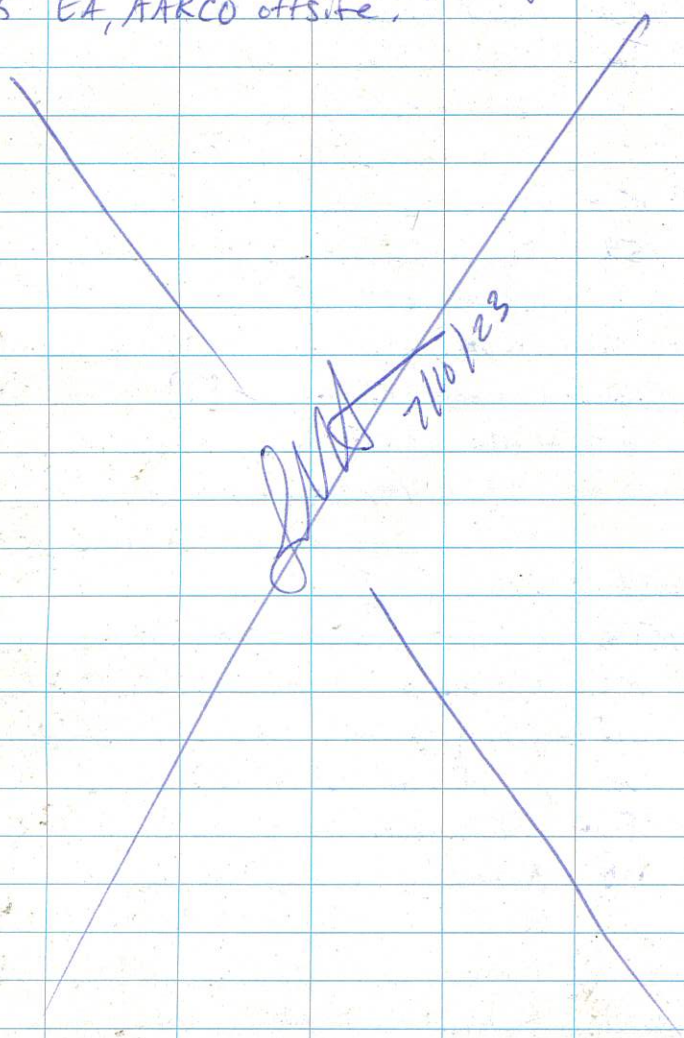
AARCO retrieved tooling from CLAR-DPT-1.

1655 Collected FB-1 (DPT-FB-1-10072023)

1700 Collected EQB-1 (DPT-EQB-1-10072023).

1705 AARCO loaded up, staged rig.

1715 EA, AARCO offsite.



CLAR-DPT-1-35

Temp: 22.91 °C
pH: 6.54
ORP: 42 mV
Cond: 0.698 mS/cm
Turb: >1000 NTU
DO: 1.76 mg/L

CLAR-DPT-1-45

Temp: 21.83 °C
pH: 6.80
ORP: -46 mV
Cond: 0.494 mS/cm
Turb: >1000 NTU
DO: 4.79 mg/L

CLAR-DPT-1-55

Temp: 23.00 °C
pH: 6.38
ORP: -120 mV
Cond: 0.516 mS/cm
Turb: 800 NTU.
DO: 1.69 mg/L

Rite in the Rain

South Shore
1602533 7/11/23

0730 EA, AARCO on-site. 78F clear/sunny.
Discussed plan for the day: CLAR-DPT-2; SVPs if tickets are cleared.
H+S brief: vehicular traffic/hazards — visibility. Zeroed PID, performed bump check.
AARCO set up at CLAR-DPT-2.
0803 Began drilling through asphalt.
Began hand clearing.
0818 Began advancing SP-16. ~~Ambient PID~~ = 0.6
Reached depth of 37' (screen 33-37').
0833 Deployed tubing w/ check valve to check WL — traces of water.
Rob believes he may have miscounted rods and that we are 5' short.
Retrieved tooling, decomned.
Redeployed to 37'.
0850 Collected CLAR-DPT-2-35
Temp: 21.01 °C
pH: 5.59
ORP: 143 mV
Cond: 0.462 mS/cm
Turb: > 1000 NTU
DO: 3.67 mg/L
Retrieved tooling, decomned.
0907 Redeployed tooling
0912 Reached depth of 47' (screen 43-47').

0923 Collected CLAR-DPT-2-45
Temp: 21.38 °C
pH: 5.57
ORP: 47 mV
Cond: 0.529 mS/cm
Turb: > 1000 NTU
DO: 2.41 mg/L
Retrieved tooling, decomned.
1003 Redeployed tooling.
1010 Reached depth of 57' (screen 53-57')
1020 Collected CLAR-DPT-2-55
Temp: 23.11 °C
pH: 5.90
ORP: Ø mV
Cond: 0.520 mS/cm
Turb: > 1000 NTU.
DO: 2.16 mg/L
Retrieved tooling decomned.
1039 Backfilled/sealed hole
[Grout 30-3'; bentonite chips 3-1.5'; 6" backfill/sand; 6" concrete]
AARCO loaded up, hitched trailer.
1059 Mob to DD/Baskin-Robbins.
DEC onsite.
Crew took lunch.

Rite in the Rain

South Shore
1602533
7/11/23

1130 AARCO began setting up at 5AVE-DPT-3
1154 Began drilling
1159 Hand cleared to 5'
1208 Reached depth of 37' (screen 33-37').
Only traces of water at bottom.
1233 Retrieved tooling, redeployed to 40' w/ screen @ 38-42'. 40 (JF)
1245 Collected 5AVE-DPT-3-~~50~~ for VOCs, PFAS, and 1,4-Dioxane.
AARCO retrieved tooling, deconned
1315 Redeployed to 50' (screen 48-52').
1335 Collected 5AVE-DPT-3-50 for VOCs, PFAS, and 1,4-Dioxane (JF)
1430 Retrieved tooling, deconned, ~~backfilled/sealed~~. Backfilled/sealed 5AVE-DPT-3
1436 Mob to 5AVE-SV-2
1441 Began drilling through asphalt.
1459 Hand cleared to 5'
Pushed 5-10'
Set SVP @ 10'.
1545 Mob to 5AVE-DPT-2
1550 Began hand clearing to 5'
1619 Reached depth of 37' (screen 33-37').
Warren began clearing 5AVE-SV-1 ~2' from DPT-2
Sulfur odor noted in GW.
1630 Collected 5AVE-DPT-2-35

Retrieved tooling, deconned.
Redeployed to ~~50~~ (JF) 47'
(screen 43-47')
1705 Collected 5AVE-DPT-2-45
Retrieved tooling, deconned.
1720 Mobbed to 5AVE-SV-1.
1725 Pushed to 10'
1735 Set SVP @ 10'.
Backfilled/sealed 5AVE-DPT-2.
1745 Collected FB-2 (DPT-FB-2-11072023)
1750 Collected EQB-2 (DPT-EQB-2-11072023)
AARCO loaded up, staged rig/trailer.
1800 EA, AARCO, DEC off site.

7/11/23

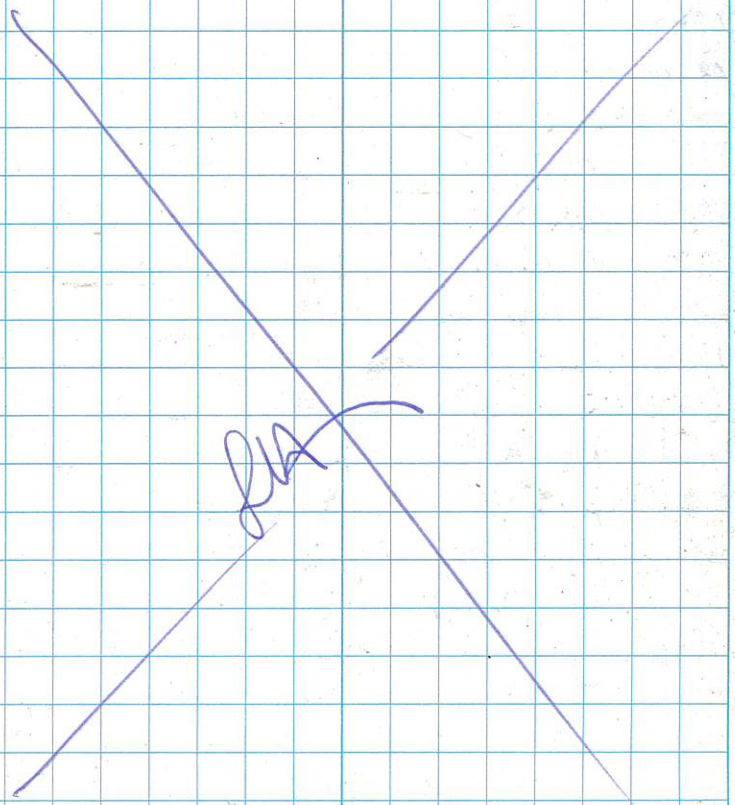
Rite in the Rain

SAVE-DPT-3-40
Temp: 23.92 °C
pH: 6.33
ORP: -53 mV
Cond: 0.458 mS/cm
Turb: >1000 NTU
DO: 3.73 mg/L

SAVE-DPT-3-50
Temp: 23.87 °C
pH: 7.05
ORP: -67 mV
Cond: 0.393 mS/cm
Turb: >1000 NTU
DO: 3.30 mg/L

SAVE-DPT-2-35
Temp: 22.85 °C
pH: 6.40
ORP: -25 mV
Cond: 0.375 mS/cm
Turb: >1000 NTU
DO: 0.94 mg/L

SAVE-DPT-2-45
Temp: 22.46 °C
pH: 5.73
ORP: -12 mV
Cond: 0.292 mS/cm
Turb: >1000 NTU
DO: 0.51 mg/L



Rite in the Rain

South Shore
1602533
7/12/23

0730 EA, AARCO, DEC on site.
H+S brief — plan discussed for 7/12 - Complete ABI-SV-1, hand clear to 5' @ Abingdon Ave borings. M. Gilkey to arrive w/ additional bottleware ~0930.
0745 Mob to Abingdon Ave.
0750 AARCO began hand clearing
0840 ABI-SV-1 / ABI-DPT-1 cleared to 5'
0845 Pushed SV-1 to 10'
0850 AARCO began setting SVP, w/ concrete skirt to deflect surface runoff.
Weather 80F, sunny / clear.
AARCO began hand clearing ABI-DPT-2.
M. Gilkey on site to deliver additional bottleware / supplies.
1026 AARCO began drilling ABI-DPT-1.
Reached depth of 37' (screen 33-37').
Re-calibrated Horiba

pH	4.20	→ 3.97
cond (mS/cm)	4.00	→ 4.50
turb (NTU)	0.9	→ 0.0

1040 Collected ABI-DPT-1-35'
Temp: 21.36 °C
pH: 5.25
ORP: 154 mV
Cond: 0.553 mS/cm
Turb: > 1000 NTU
DO: 1.48 mg/L

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7/12/23

Retrieved tooling, deconned.
1054 Redeployed ~~tubing~~ (JF) to 47' (43-47')
DEC off-site (1054).
1105 Collected ABI-DPT-1-45
Temp: 21.87 °C
pH: 6.05
ORP: 159 mV
Cond: 0.426 mS/cm
Turb: >1000
DO: 2.53 mg/L.
Retrieved tooling, deconned.
1120 AARCO took lunch
1130 Collected DPT-FB-3-12072023 for VOCs
1155 Mob to ABI-DPT-2
1230 Reached depth of 37' (screen 33-37')
Around 1130, National Grid arrived at Abingdon Ave to confirm/clear site of gas utilities. No lines on Abingdon, Belgrave, Claremont. Working w/ his supervisor to locate plastic line on Candlewood; steel line is marked
1235 Collected ABI-DPT-2-35
Temp: 21.50°C Cond: 0.531 mS/cm
pH: 4.61 Turb: > 1000 NTU.
ORP: 179 mV DO: 1.35 mg/L.
Retrieved tooling, deconned.

Rite in the Rain

Redeployed to 47' (screen 43-47').

1315 Collected ABI-DPT-2-45
Temp: 23.12 °C
pH: 9.75 ← water sndsy alconox? noted on COC.
ORP: -109
Cond: 0.986 mS/cm
Turb: >1000 NTU
DO: 0.86 mg/L

1345 J. Fontaine mob to 5AVE-DPT-1, discussed markouts w/ National Grid.

* The traffic light at the intersection of Candlewood Rd + 5th Ave is non-operational, AARCO is trying to figure out how best to mob rig to 5AVE-DPT-1. Rob does not have license to operate trailer.

1405 J. Fontaine opt to continue on Belgrave Ave.

1420 Staged rig at BEL-DPT-2. Hand cleared to 5'.

1455 Began advancing SP-16.

1504 Reached 37' (43-37').

1510 Collected BEL-DPT-2-35. Retrieved tooling.

1515 SP-16 screen broke from sheath.

1528 Called K. Thapa and informed her of the incident.

1539 Ongoing discussions w. K. Thapa + D. Conan on AARCO's performance and attitude.

1549 Conference call w/ K. Thapa + AARCO PM on driller performance + pacing. AARCO agreed to swap out lead driller for 7/13.

1559 Follow up call w/ K. Thapa on plan for 7/13.

~~16~~ JF [AARCO offsite @ 1549.]

1622 EA offsite.



Rite in the Rain

South Shore
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7/13/23

0700 J. Fontaine onsite. Replaced ice, reorganized / prepped sample coolers.

0715 C. Stratton arrived to discuss activities on 7/12, plan to finish today. (left 730)

0730 Warren J. and José arrived on Belgrave Ave, discussed plan / specs. Mob to BEL-DPT-2.

0750 Began drilling through concrete / pavement hand cleared to 5'

0807 Began advancing SP-16.

* J. Fontaine bumped the Horiba — Cond + turb were 100's, but pH was off, received cal error, discovered broken pH sensor. Reached out to Pine for replacement.

Reached depth of 37' (screen 33-37')

0838 Collected BEL-DPT-2-35.
Temp: 21.39 °C
ORP: 73 mV
Cond: 0.562 mS/cm
Turb: >1000 NTU.
DO: 2.54 mg/L
Retrieved tooling / decanned.
Redeployed to 47' (screen 43-47')
Weather: 80F, partly cloudy

0915 Collected BEL-DPT-2-45

Temp: 21.49 °C
ORP: 53 mV
Cond: 0.631 mS/cm
Turb: >1000 NTU
DO: 1.82 mg/L
Retrieved tooling, decanned.
M. Gilkey arrived onsite — Showed her the location of the SVPs and MWs, discussed plan for 7/13.
AARCO redeployed to 57' (w/ screen 53-57').

0940. Owner of AARCO, Roger Terlaga, stopped by briefly to chat and check on job.

1000 Collected BEL-DPT-2-55
Temp: 22.26°C
~~to~~ ORP: 52 mV
Cond: 0.660 mS/cm
Turb: >1000 NTU
DO: 2.02 mg/L

(0950) Hannah B. + Clara onsite to assist w/ IDW treatment.
AARCO retrieved tooling, decanned.
Backfilled / sealed borehole, using asphalt patch.

1030 Mob to BEL-DPT-1

Rite in the Rain

Called Pine to check on status of Horiba — they said they only had 1 available driver and could not get it to us until after 1300.

J. Fontaine sent H. Bedell to retrieve Horiba from Hicksville, NY.

1040 IAARCO began drilling through asphalt. Hand cleared to 5'.

1058 Began advancing SP-16.

1105 Reached depth of 37' (33-37).

1120 Collected BEL-DPT-1-35

Temp: 23.61
ORP: 40 mV
Cond: 0.949 mS/cm
Turb: >1000 NTU
DO: 2.89 mg/L

Retrieved tooling, deconned.

1130 Redeployed to 47' (43-47).

1150 Collected BEL-DPT-1-45

Temp: 22.20°C
ORP: -76 mV
Cond: 0.693 mS/cm
Turb: >1000 NTU
DO: 1.13 mg/L

Retrieved tooling, deconned.

Redeployed to 57' (53-57').

1230 Collected BEL-DPT-1-55

Temp: 22.60°C
ORP: 87 mV
Cond: 0.634 mS/cm
Turb: >1000 NTU
DO: 2.53 mg/L

IAARCO retrieved tooling, deconned.

J. Fontaine checked on Moriah, placed safety cones around SAVE-SV-2, checked on IDW/carbon pail.

1300 J. Fontaine check on IDW — drum is empty of aqueous waste — only traces of solid waste. Carbon pail looks OK.

1317 J Fontaine went to collect GPS locations + take final pics of boring locations.

1345 IAARCO mob rig to SAVE-DPT-1.

Began hand clearing. 5'

1411 Began advancing SP-16.

1420 Reached depth of 37' (screen 33-37)

~~Collected SAVE-DPT-1-35 for VOCs, PFAS, 1,4-Dioxane, (JF) (Collected MS/MSD pairs here)~~

Only traces of water, similar to SAVE-DPT-3

Rite in the Rain.

Retrieved tooling, deconned.
1455 Redeployed to 42' (38-42').
New sample ID:
1520 SAVE-DPT-1-40 (VOCs, PFAS, 1,4-MS/MSD)
Retrieved tooling, deconned.
helped M. Gilkey setup at MW FN-19.
AARCO redeployed tooling — reached depth of 52' (screen 48-52').
1620 Collected SAVE-DPT-1-50. (VOCs, PFAS, 1,4 — collected DUP-2 here).
AARCO retrieved tooling, deconned.
1700 Collected DPT-FB-4 @ 13072023
1705 Collected DPT-EQB-3-13072023.
Drillers loaded up, mob to Staging area.
M. Gilkey finished at FN-19 — helped her break down + setup @ CW-01.
Drillers disposed of aqueous IDW.
1738 AARCO off-site.
Cleaned up SAVE-DPT-1 area, loaded vehicles.
~~1824 Treated remaining~~
1824 M. Gilkey sampled CW-01. Helped her breakdown. J. Fontaine treated remaining IDW.
1900 EA offsite.

7/13/23

SAVE-DPT-1-40
(Start of Sampling)

Temp: 25.79 °C
ORP: ~~11.2~~ -9 mV
Cond: 0.667 mS/cm
Turb: 685 NTU
DO: 0.72 mg/L

(end of sampling)

Temp: 22.43 °C
ORP: -16 mV
Cond: 0.614 mS/cm
Turb: 268 NTU
DO: 1.70 mg/L

SAVE-DPT-1-50
(end of sampling)

Temp: 21.73 °C
ORP: 57 mV
Cond: 0.351 mS/cm
Turb: 800 NTU
DO: 1.38 mg/L.

Rite in the Rain

South Shore
1602533

7/14/23

0915 J. Fontaine onsite.
Coordinated w/ M. Gilkey on sample delivery & shipment to Pace.
Called P. Gannon to discuss trouble-shooting options for Trimble GeoTX.
Troubleshooted Trimble GPS — internal antenna/GNSS receiver disconnected. Reconnected.
Reset the GNSS receiver.
Unit needs ~20 min. to track satellites.

1015 J. Fontaine offsite to deliver samples to Pace Analytical Long Island and allow Trimble time to track satellites.

1300 J. Fontaine onsite.
Cleaned site staging area, disposed of trash, packed up field equipment.
Collected reference photos of decon pad and IDW drums.
Coordinated pad & drum pickup w/ HARCO.

1404 Collected GPS coordinates and reference photos of final boring and SVP locations.

1515 J. Fontaine offsite.

JM 7/14/23

Rite in the Rain

South Shore Outdoor 7/13/23

WX: 82°F; Sun; 8mph SSW, 65% Humidity

09:00 M. Gilkey (EA) onsite
J. Fontaine (EA) show SVP & install

09:50 Calibrate PID
See Cal Sheet for additional weather info

1-15 Open AB1-SV-1

10:27 Start purge

10:30 Start leak Test
Passes leak test ✓
Peak He in Shroud = 70.3%
Peak He in Bag = 0.0 ppm ✓
PID at bag = 0.0 ppm

10:55 Start AB1-SV1 -30" Hg
↳ Dup taken @ this location

11:20 Locate SAVE-SV-2

12:12 Start purging SAVE-SV-2 (parking lot)

12:15 perform leak test
Pass leak test ✓
He in Shroud: 60.7% (Peak)
He in Bag: 0.0 ppm
PID in Bag: 0.0 ppm

12:29 Start SAVE-SV-2-@13072023
Int P = -30" Hg

square = _____

Scale: 1 square = _____

Rite in the Rain

South Shore Outdoor 07/13/23

WX: 86°F; Sun, 13mph S, 67% Humm

12:43 Stop sample collection of
ABL-SV-1 & DUP-1
Stop pressure for both
-6" Hg

13:15 Start leak test of SAVE-SV-1
He shroud (Peak) = ~~[illegible]~~ mg 70.5%
He in Bag = 4.8%
PID bag = 0.0 ppm
pass ✓

13:50 Start sample collection of
SAVE-SV-1-13072023
Int P = -30" Hg

14:24 Stop sample collection of SAVE-SV-2-13072023
Final P = -6" Hg

15:00 Cal Horiba U-52
Int pH 3.99 mg/L 6.83
mS/cm 4.60
NTU 0.0
Final pH 4.01
mS/cm 4.57
NTU 0.5
mg/L 7.45

Scale: 1 square = _____

South Shore Outdoor 7/13/23

WX: 89°F; Sun; 13 mph; 69% Humidity

15:40 Stop sample collection of
SAVE-SV-1-130723
Final P = -6" Hg

16:14 start purge of FN-19

16:56 End purge & sample FN-19

18:00 Start purge of CW-01

18:24 End purge & sample CW-01
MW-DUP-1 taken

19:35 M. Gilkey (EA) offsite

Monte Gilkey
07.13.2023

Scale: 1 square = _____

Rite in the Rain

Attachment B : Water Quality Parameters

Parameter	Units	CLAR-DPT-1-35	CLAR-DPT-1-45	CLAR-DPT-1-55					
Date: 07/10/2023									
Temp	°C	22.91	21.83	23.00					
pH	pH units	6.54	6.80	6.38					
Conductivity	mS/cm	0.698	0.494	0.516					
Turbidity	NTU	>1000	>1000	800					
Dissolved Oxygen	mg/L	1.76	4.79	1.69					
ORP	mV	42	-46	-120					
Parameter	**Units**	**CLAR-DPT-2-35**	**CLAR-DPT-2-45**	**CLAR-DPT-2-55**	**5AVE-DPT-2-35**	**5AVE-DPT-2-45**	**5AVE-DPT-3-40**	**5AVE-DPT-3-50**	
Date: 07/11/2023									
Temp	°C	21.01	21.38	23.11	22.85	22.46	23.92	23.87	
pH	pH units	5.59	5.57	5.59	6.40	5.73	6.33	7.05	
Conductivity	mS/cm	0.462	0.529	0.520	0.375	0.292	0.458	0.393	
Turbidity	NTU	>1000	>1000	>1000	>1000	>1000	>1000	>1000	
Dissolved Oxygen	mg/L	3.67	2.41	2.16	0.94	0.51	3.73	3.30	
ORP	mV	143	47	0	-25	-12	-53	-67	
Parameter	**Units**	**ABI-DPT-1-35**	**ABI-DPT-1-45**	**ABI-DPT-2-35**	**ABI-DPT-2-45**				
Date: 07/12/2023									
Temp	°C	21.36	21.87	21.50	23.12				
pH	pH units	5.25	6.05	4.61	9.75				
Conductivity	mS/cm	0.553	0.426	0.531	0.986				
Turbidity	NTU	>1000	>1000	>1000	>1000				
Dissolved Oxygen	mg/L	1.48	2.53	1.35	0.86				
ORP	mV	154	159	179	-109				
Parameter	**Units**	**BEL-DPT-1-35**	**BEL-DPT-1-45**	**BEL-DPT-1-55**	**BEL-DPT-2-35**	**BEL-DPT-2-45**	**BEL-DPT-2-55**	**5AVE-DPT-1-40**	**5AVE-DPT-1-50**
Date: 07/13/2023 (No pH)								**Start** / **End**	
Temp	°C	23.61	22.20	22.60	21.39	21.49	22.26	25.79 / 22.43	21.73
Conductivity	mS/cm	0.949	0.693	0.634	0.562	0.631	0.660	0.667 / 0.614	0.351
Turbidity	NTU	>1000	>1000	>1000	>1000	>1000	>1000	685 / 268	800
Dissolved Oxygen	mg/L	2.89	1.13	2.53	2.54	1.82	2.02	0.72 / 1.70	1.38
ORP	mV	40	-76	87	73	53	52	-9 / -16	57

Notes :

°C = Degree Celsius

mg/L = Milligram(s) per liter

mS/cm - milli Siemen(s) per centimeter

mV = Millivolt(s)

NTU = Nephelometric turbidity unit

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1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 2629 W Jefferson St, Syracuse NY 13207
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(16025533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	# of Containers	[2] Preservation Code	[3] Container Code
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X			
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X			
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X			
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X			
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X			
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X			
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X			
	DPT-DUP-2	7/13/23			X	GW	U	X			
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X			

Field Filtered ☐
Lab to Filter ☐

Field Filtered ☐
Lab to Filter ☐

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Regulatory Requirements / Limit Evaluation
- ☐ AWQ STDS
- ☒ NY TOGS
- ☐ NYC Sewer Discharge
- ☐ NY CP-51
- ☐ Part 360 GW (Landfill)
- ☐ NY Restricted Use
- ☐ NY Unrestricted Use
- ☐ NY Part 375

- ☐ Enhanced Data Package
- ☒ NYSDEC EQuIS EDD
- ☐ EQuIS (Standard) EDD
- ☐ NY Regulatory EDD
- ☐ NY Regs Hits-Only EDD

Others
NELAC and AIHA-LAP, LLC Accredited

Project Entity
- ☐ Government
- ☐ Municipality
- ☐ MWRA
- ☐ WRTA
- ☐ Federal
- ☐ 21 J
- ☐ School
- ☐ City
- ☐ Brownfield
- ☐ MBTA

Other
- ☐ Chromatogram
- ☐ AIHA-LAP,LLC

PCB ONLY
- ☐ Soxhlet
- ☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: GA Engineering
Address: 209 W. Jefferson St, Syracuse NY 13202
Phone: 315 380 1396
Project Name: South Shore Outdoor
Project Location: Bayshore, NY
Project Number: 160253 3(EA) 152228(NYSDEC)
Project Manager: Kritika Thapa
Pace Quote Name/Number: Callout 147379
Invoice Recipient:
Sampled By: Moriah Gillies

Requested Turnaround Time:
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☒ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@gaest.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume					" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³	TO-15				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	SAVE-SV-1-130723	7/13/23 1350	7/13/23 1540	110	0.05	SG	5.5	X				-30	-6		1478	4359
	SAVE-SV-2-130723	7/13/23 1229	7/13/23 1424	115		SG	5.75	X				-30	-6		1625	4439
	ABI-SV-1-130723	7/13/23 1055	7/13/23 1243	108		SG	5.4	X				-30	-6		1471	4336
	~~SV-DUP-1~~	~~7/13/23 0555~~	~~7/13/23 2000~~			SG		X				-30	-6		1322	4336
	SV-DUP-1	07/13/23 1055	07/13/23 1243	108		SG	5.4	X				-30	-6		1322	4336

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
NYSDEC Equis EDD required

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1400 07/14/2023	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time:	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time:		MCP Certification Form Required
Received by: (signature)	Date/Time:	CT	☐ CT RCP Required
Relinquished by: (signature)	Date/Time:		RCP Certification Form Required
Received by: (signature)	Date/Time:	Other	☐ Other

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: EA Engineering	Billing Information: Callout ID: 147379 Project No: 1602533
Address: 269 W. Jefferson St. Syracuse NY	
Report To: Kthapa@eaest.com	Email To: northeastap@eaest.com
Copy To:	Site Collection Info/Address: Bayshore
Customer Project Name/Number: South Shore Outdoor - Off-Site	State: NY / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET
Phone: (478) 390-2213 Email:	Site/Facility ID #: 152228
Collected By (print): Jeremy Fontaine	Purchase Order #: Quote #: See billing info
Collected By (signature): JMF	Turnaround Date Required: 20 days
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: PFAS 1633	Analyses: TSS
SAVE-DPT-3-40	GW	G	7/11/23	1245				3	2	1
SAVE-DPT-3-50	GW		7/11/23	1335				3	2	1
SAVE-DPT-2-35	GW		7/11/23	1630				3	2	1
SAVE-DPT-2-45	GW		7/11/23	1705				3	2	1
DPT-FB-2-11072023	WATER		7/11/23	1745				2	2	
DPT-EQB-2-11072023	WATER		7/11/23	1750				2	2	
SAVE-DPT-1-40	GW		7/13/23	1520				7	6	1
SAVE-DPT-1-50	GW		7/13/23	1620				3	2	1
DPT-FB-4-13072023	WATER		7/13/23	1700				2	2	
DPT-EQB-3-13072023	WATER		7/13/23	1705				2	2	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:
Use SAVE-DPT-1-40 for MS/MSD.

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2793198

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: 6.8 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: 6.5 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jeremy Fontaine EA	7/14/23 1230	Bud P-LT	7/14/23 12:30
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 2

CHAIN-OF-CUSTODY Analytical Request Document

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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address:	
Report To:	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: PFAS 1633; TSS

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PFAS 1633	TSS
DPT-DUP-2	GW	G	7/13/23	—				3	2	1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2793199

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 6-S
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 6.8C

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] EA	7/14/23 1230	[signature] PXI	7/14/23 12:30
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 2

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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 4

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: EA Engineering
Address: 269 W. Jefferson St., Syracuse NY 13202
Phone: (478) 390-2213
Project Name: South Shore Outdoor - Off-Site
Project Location: Bay Shore, NY
Project Number: 1602533
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: CallOut ID 147379
Invoice Recipient: northeastap@eaest.com
Sampled By: Jeremy Fontaine

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	# of Containers	[2] Preservation Code	[3] Container Code
	CLAR-DPT-1-35	7/10/23	1515		✓	GW	U	6	24	H	V
	CLAR-DPT-1-45	7/10/23	1555		✓	GW	U	2			
	CLAR-DPT-1-55	7/10/23	1637		✓	GW	U	2			
	DPT-DUP-1	7/10/23	—		✓	GW	U	2			
	DPT-FB-1-10072023	7/10/23	1655		✓	W	C	2			
	DPT-EQB-1-10072023	7/10/23	1700		✓	W	C	2			
	CLAR-DPT-2-35	7/11/23	0850		✓	GW	U	2			
	CLAR-DPT-2-45	7/11/23	0923		✓	GW	U	2			
	CLAR-DPT-2-55	7/11/23	1020		✓	GW	U	2			
	SAVE-DPT-3-40	7/11/23	1245		✓	GW	U	2			

ANALYSIS REQUESTED

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments: Use CLAR-DPT-1-35 for MS/MSD.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = Water

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
[signature]	7/14/23 1230
Received by: (signature)	Date/Time:
[signature] 6.8°C (W)	7/14/23 12:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number: See Pg. 1
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	VOCs 8260D	# of Containers	Preservation Code	Container Code
	SAVE-DPT-3-50	7/11/23	1335		✓	GW	U	2			
	SAVE-DPT-2-35	7/11/23	1630		✓	GW	U	2			
	SAVE-DPT-2-45	7/11/23	1705		✓	GW	U	2			
	DPT-FB-2-11072023	7/11/23	1745		✓	W	C	2			
	DPT-EQB-2-11072023	7/11/23	1750		✓	W	C	2			
	ABI-DPT-1-35	7/12/23	1040		✓	GW	U	2			
	ABI-DPT-1-45	7/12/23	1105		✓	GW	U	2			
	DPT-FB-3-12072023	7/12/23	1130		✓	W	C	2			
	ABI-DPT-2-35	7/12/23	1235		✓	GW	U	2			
	ABI-DPT-2-45	7/12/23	1315		✓	GW	U	2			

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Lenny Morton	7/14/23 1230
Received by: (signature)	Date/Time:
[illegible]	7/14/23 12:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

See pg. 1

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	24	H	V	# of Containers	[2] Preservation Code	[3] Container Code
	BEL-DPT-2-35	7/13/23	0838		✓	GW	U					2		
	BEL-DPT-2-45	7/13/23	0915		✓	GW	U					2		
	BEL-DPT-1-35	7/13/23	1120		✓	GW	U					2		
	BEL-DPT-1-45	7/13/23	1150		✓	GW	U					2		
	BEL-DPT-2-55	7/13/23	1000		✓	GW	U					2		
	BEL-DPT-1-55	7/13/23	1230		✓	GW	U					2		
	SAVE-DPT-1-40	7/13/23	1520		✓	GW	U					6		
	~~SAVE-DPT-1-50~~	~~7/13/23~~	~~1620~~		✓	GW	U					2		
	DPT-FB-4-13072023	7/13/23	1700		✓	W	C					2		
	DPT-EQB-3-13072023	7/13/23	1705		✓	W	C					2		

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = Water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Use SAVE-DPT-1-40 for MS/MSD.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/14/23 1230
Received by: (signature) 6.8°C (c)	Date/Time: 7/14/23 12:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

See Pg. 1

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: kthorpe@eaestrem
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	# of Containers	[2] Preservation Code	[3] Container Code
	DPT-DUP-2	7/13/23	—		✓	GW	U	2	14	H	V
	CW-01-130723	7/13/23	1824		✓	GW	U	2			
	MW-DUP-1-13072023	7/13/23	—		✓	GW	U	2			
	FN-19-13072023	7/13/23	1656		✓	GW	U	6			
	VOC Trip Blank	6/26/23			✓	W	C	2			

Comments: Use FN-19-13072023 for MS/MSD.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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SOL = Solid
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H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
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V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/14/23 1230	
Received by: (signature) 6.8°C (W)	Date/Time: 7/14/23 12:30	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
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Project Entity
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Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

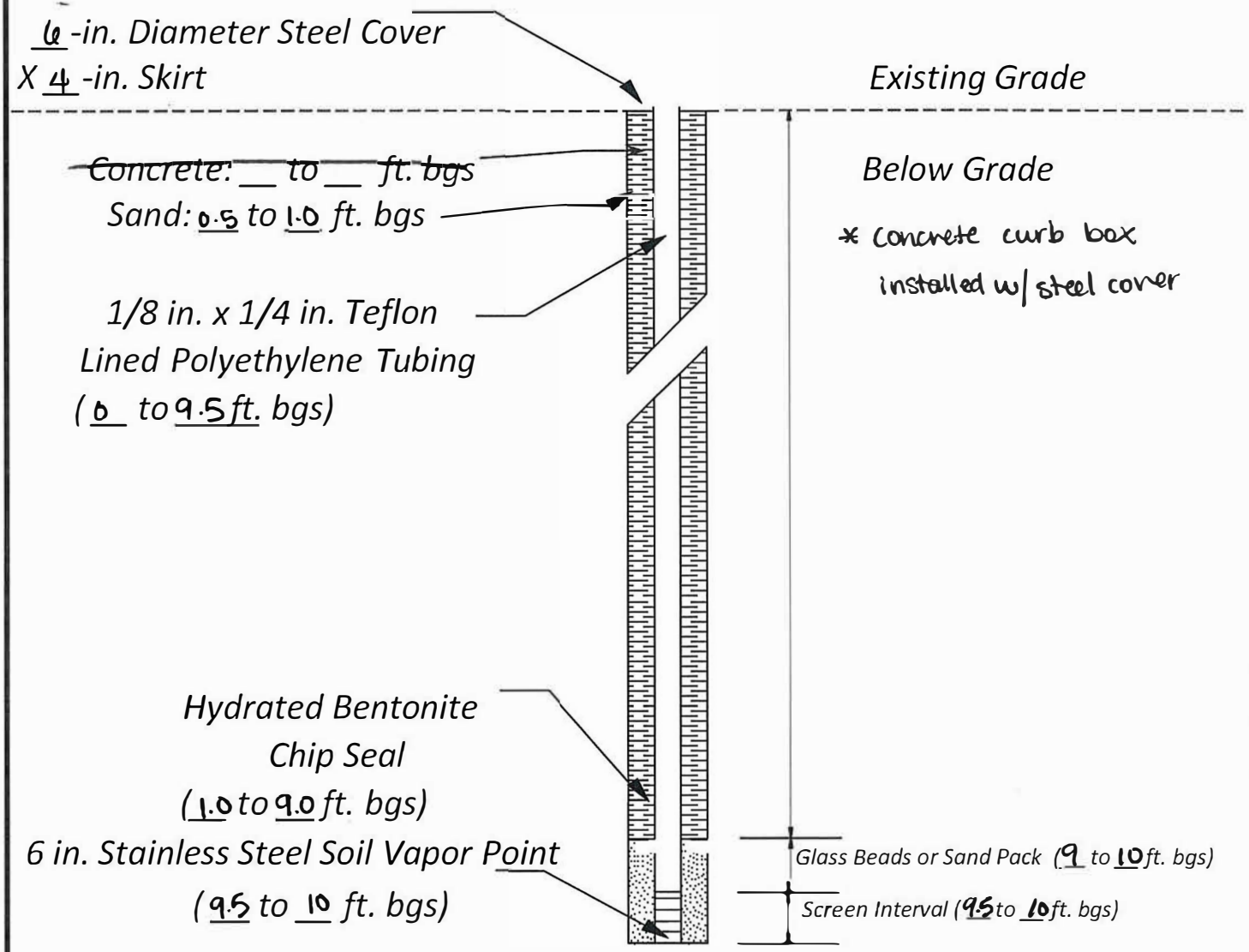
PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

FIELD CALIBRATION FORM

Site Name: South Shore Outdoor

INSTRUMENT: Honeywell MiniRAE	INSTRUMENT ID No: 48919
OPERATOR: M. Gilkey	WEATHER: 54°F; Sun; 13 mph S
SPAN GAS TYPE: Isobutylene	DATE: 02/27/24
CALIBRATION NOTES:	
Span: 100.0 ppm	
zero: 0.0 ppm	
COMMENTS:	
SIGNATURE:	DATE: 2/27/24

Soil Vapor Point Construction Diagram



2 -in. diameter borehole

Total Depth of Soil vapor sampler set at 10 ft bgs or — ft above water table.

Permanent SV Point

CVS-SV-01

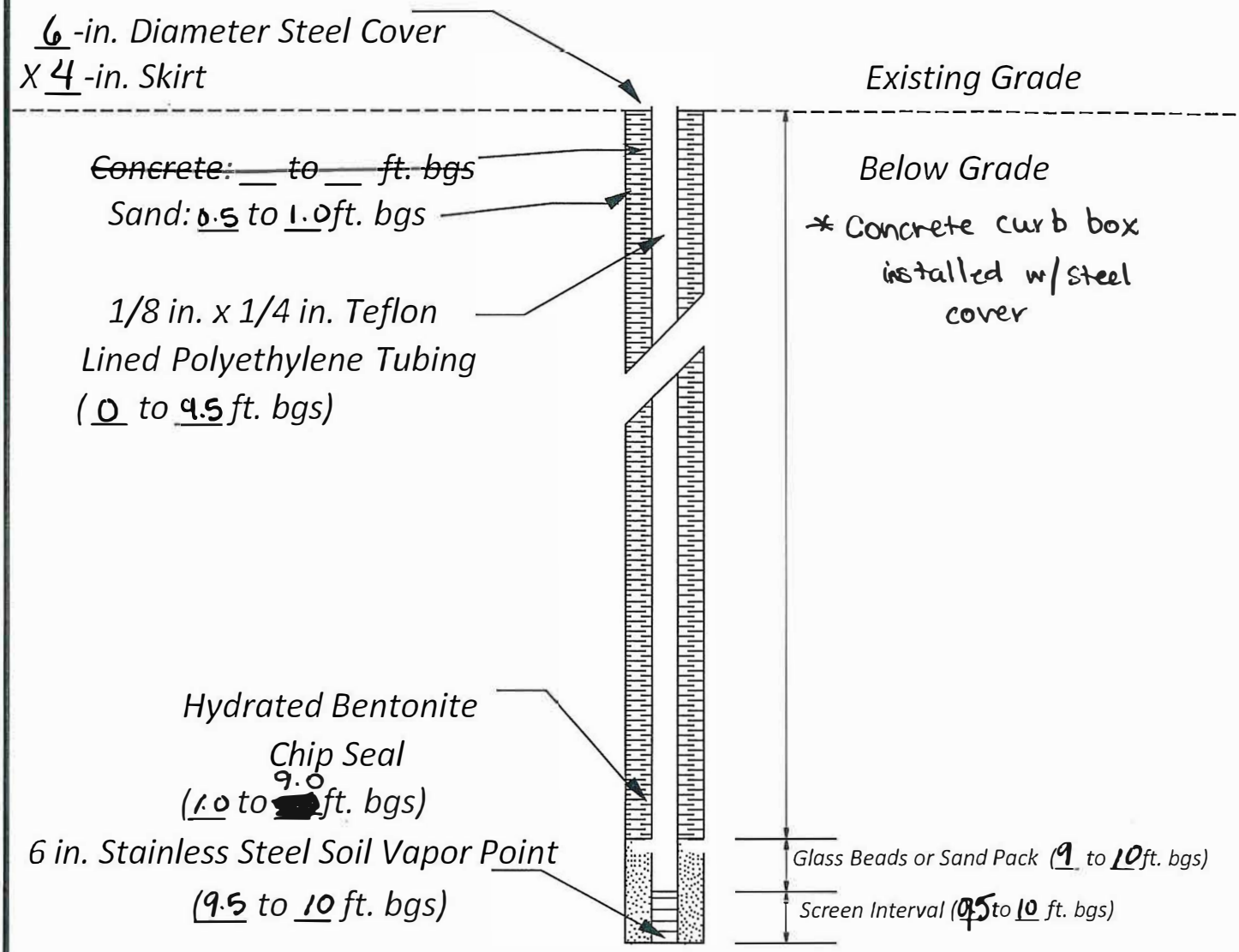
New York State Department of Environmental Conservation
Contract No: _____
Site: Southshore Outdoor
Logged by: M. Gilkey
Drilling Contractor: Aaron
Driller: Sclvin

Date: 2·28·2024

SVP- __
~~*Temporary*~~ *Soil Vapor Point Construction Diagram*

NEW YORK STATE | Department of Environmental Conservation

Soil Vapor Point Construction Diagram



2 -in. diameter borehole

Total Depth of Soil vapor sampler set at 10 ft bgs or — ft above water table.

Permanent SV Point

CVS-SV-2

New York State Department of Environmental Conservation
Contract No: _____
Site: Southshore Outdoor
Logged by: M. Cullen
Drilling Contractor: Aarco
Driller: Selvin.

Date: 2·28·2024

SVP- __
~~Temporary~~ *Soil Vapor Point Construction Diagram*

NEW YORK STATE | Department of Environmental Conservation

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228A
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Krithika Thapa

Sample Location Information:

Site ID Number:	NYSDEC # 152228A EA# 160253'3	Sampler(s):	M. Gilkey / K. Cussidy
PID Meter Used (Model, Serial #):	Honeywell MiniRae 3000	Soil Vapor I.D. No.:	CVS-SV-2

SUMMA Canister Record:

SOIL VAPOR POINT		DUPLICATE SAMPLE (IF COLLECTED)	
Flow Regulator No.:	4402	Flow Regulator No.:	
Canister Serial No.:	1304	Canister Serial No.:	
Start Date/Time:	2/28/24, 1417	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	2/28/24, 1618	Stop Date/Time:	
Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	
Sample ID: CVS-SV-02		Sample ID:	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	32%	Depth to sample point:	~9.5 ft to screen
Tracer Gas test result (% of Helium):	0.0%	Nearest Groundwater Elevation:	~30 ft bTOC
Noticeable Odor?	No	Additional info:	
Purge Volume PID Reading (ppb)	0.0 ppm		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	~54°F		
Wind Direction:	1 amph SSE		

Comments:

He Peak = 32.0% (in shroud)
He in bag = 0.0%
Leak test passed.
PID in bag = 0.0 ppm

Sampler Signature: M Gilkey

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 152228A
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information:

Site ID Number:	NYSDEC 152228A EA 16028333	Sampler(s):	M. Gilkey / K. Cassidy
PID Meter Used (Model, Serial #):	Honeywell miniRAE +3000	Soil Vapor I.D. No.:	CVS-SV-1

SUMMA Canister Record:

	SOIL VAPOR POINT	DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	~~3186~~ 4446	
Canister Serial No.:	~~2203~~ 1984	
Start Date/Time:	2/28/24 1428	
Start Pressure: (inches Hg)	-29 (NG)	
Stop Date/Time:	2/28/24 ~~1423~~ 1623	
Stop Pressure: (inches Hg)	-5	
Sample ID:	CVS-SV-1	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	27.5%	Depth to sample point:	~9.5ft to screen
Tracer Gas test result (% of Helium):	0.0	Nearest Groundwater Elevation:	~30 ft bTOC
Noticeable Odor?	NO	Additional info:	
Purge Volume PID Reading (ppb)	0.0		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	~54°F		
Wind Direction:	19mph SSW		

Comments:

He peak in shroud = 27.5%
He in bag = 0.0%
Leak test passed
PID in bag = 0.0 ppm

Sampler Signature: Mark Gilkey

INDOOR AIR SAMPLING FORM

Project No. 152228A
Project Name: South Shore Outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information:

Site ID Number:	NYSDEC (152228A) EA(1602533)	Sampler(s):	M. Gilkay / K. Cassidy
PID Meter Used: (Model, Serial #)	Honeywell MiniRAE	Building I.D. No.:	1750 5th Ave (middle Shop)

SUMMA Canister Record:

	INDOOR AIR - FIRST FLOOR	INDOOR AIR - BASEMENT	SUBSLAB SOIL GAS	OUTDOOR AIR
Flow Regulator No.	5096		5082	3559
Canister Serial No.	19666		2023	2197
Start Date/Time:	2/28/24 1103		2/28/24 1055	2/28/24 1024
Start Pressure: (inches Hg)	-28		-30	-29
Stop Date/Time:	2/28/24 1830		2/28/24 1834	2/28/24 1822
Stop Pressure: (inches Hg)	-9		-8	-9 "Hg
Sample ID:	SAVE-1A-2		SAVE-~~SSV~~ SSV-02	SAVE-OA-1

Other Sampling Information:

Story/Level	First Floor	Story/Level		Basement or Crawl Space?	No	Direction from Building	West
Room	Show Room	Room		Floor Slab Thickness (inches) *[if present]*	~6"	Distance from Building	~2 ft
Indoor Air Temp (°F)	~70° F	Indoor Air Temp		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	3 ft
Barometric Pressure?	29.31 "Hg	Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	NA	Intake Tubing Used?	No
Intake Height Above Floor Level (ft.)	~5.5 ft	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height	6" below slab	Distance to nearest Roadway	
Noticeable Odor?	Yes (See Notes)	Noticeable Odor?		Noticeable Odor?	No	Noticeable Odor?	Garbage
PID Reading (ppb)	0.1 ppm	PID Reading (ppb)		PID Reading (ppb)	0.0	PID Reading (ppb)	0.0
Duplicate Sample?	Yes	Duplicate Sample?		Duplicate Sample?	Yes	Duplicate Sample?	No

Comments:

SSV leak Test
He peak in Shourd = 34.8%
He in bag = 0.0 ppb
Leak test passed
PID in bag = 0.0 ppm

Dup taken @ IA & SSV location

SSV DUP
ID: SSV-DUP-28022024
Canister ID: 1741
Regulator ID: 5082

IA DUP
ID: IA-DUP-28022024
Canister ID: 1938
Regulator: 5096

Sampler Signature:

* Building has no cleaning supples but has new composite flooring you can smell (known to release formedehyde)

INDOOR AIR SAMPLING FORM

Project No. 160253
Project Name: South Shore outdoor
Location: Bay Shore, NY
Project Manager: Kritika Thapa

Sample Location Information: Variety Store

Site ID Number:	NYSDEC C152224 EA# 160253J	Sampler(s):	M. Gilkey / K. Cassiday
PID Meter Used: (Model, Serial #)	Honeywell Mini RAE 3000+	Building I.D. No.:	1750 5TH AVE

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	3160	Flow Regulator No.		Flow Regulator No.	3336	Flow Regulator No.	
Canister Serial No.	10576	Canister Serial No.:		Canister Serial No.:	1982	Canister Serial No.:	
Start Date/Time:	2/28/24, 1137	Start Date/Time:		Start Date/Time:	2/28/24, 1134	Start Date/Time:	
Start Pressure: (inches Hg)	-31	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-31	Start Pressure: (inches Hg)	
Stop Date/Time:	2/28/24, 1938	Stop Date/Time:		Stop ~~Date/Time~~ Pressure	-10	Stop Date/Time:	
Stop Pressure: (inches Hg)	-11	Stop Pressure: (inches Hg)		Stop ~~Pressure~~ Time (inches Hg)	2/28/24 1932	Stop Pressure: (inches Hg)	
Sample ID:	SAVE-IA-~~03~~	Sample ID:		Sample ID:	SAVE-SV-~~03~~	Sample ID:	

Other Sampling Information:

Story/Level	1st	Story/Level		Basement or Crawl Space?	Na	Direction from Building	
Room	Back room/ office	Room		Floor Slab Thickness (inches) *[if present]*	6"	Distance from Building	
Indoor Air Temp (°F)	~70	Indoor Air Temp		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	
Barometric Pressure?	29.31	Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	Na	Intake Tubing Used?	
Intake Height Above Floor Level (ft.)	~5ft	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height	~6" belowgrade	Distance to nearest Roadway	
Noticeable Odor?	No	Noticeable Odor?		Noticeable Odor?	No	Noticeable Odor?	
PID Reading (ppb)	0.0	PID Reading (ppb)		PID Reading (ppb)	0.0	PID Reading (ppb)	
Duplicate Sample?	No	Duplicate Sample?		Duplicate Sample?	No	Duplicate Sample?	

Comments:

Peak Helium in Shroud = 33.8%
Helium in bag = 0
Leak test passed
PID in bag = 0.1 ppm
Indoor air gauge is cracked, but working.

Sampler Signature:

INDOOR AIR SAMPLING FORM

Project No.: 16025533
Project Name: South Shore outdoor
Location: Bayshore, NY
Project Manager: Kritika Thapa

Sample Location Information: Dunkin'

Site ID Number:	NYSDEC C152228A EA#16025533	Sampler(s):	M. Gilkey / K. Cassidy
PID Meter Used: (Model, Serial #)	Honeywell MiniRae 3000+	Building I.D. No.:	1750 5th Ave

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	8561	Flow Regulator No.		Flow Regulator No.	3085	Flow Regulator No.	
Canister Serial No.	1961	Canister Serial No.:		Canister Serial No.:	1236	Canister Serial No.:	
Start Date/Time:	2/7/24, 1225	Start Date/Time:		Start Date/Time:	2/28/24, 1222	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	2/29/24 2051	Stop Date/Time:		Stop Date/Time:	2/28/24 2053	Stop Date/Time:	
Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	
Sample ID:	SAVE-1A-1	Sample ID:		Sample ID:	SAVE-SSV-1	Sample ID:	

Other Sampling Information:

Story/Level	1st	Story/Level		Basement or Crawl Space?	NA	Direction from Building	
Room	Exit Hallway	Room		Floor Slab Thickness (inches) *[if present]*	4 1/2"	Distance from Building	
Indoor Air Temp (°F)	~70° F	Indoor Air Temp		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	
Barometric Pressure?	29.31" Hg	Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	N/A	Intake Tubing Used?	
Intake Height Above Floor Level (ft.)	~5.5 ft	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height	12" below grade	Distance to nearest Roadway	
Noticeable Odor?	No	Noticeable Odor?		Noticeable Odor?	No	Noticeable Odor?	
PID Reading (ppb)	0.0	PID Reading (ppb)		PID Reading (ppb)	0.0	PID Reading (ppb)	
Duplicate Sample?	No	Duplicate Sample?		Duplicate Sample?	No	Duplicate Sample?	

Comments:

Peak He = ~~55.2%~~ 53.9% (in shroud)
Helium in bag = 0
Leak test passed
PID in bag = 0.0 ppm

Sampler Signature:

FLUKE READING FORM

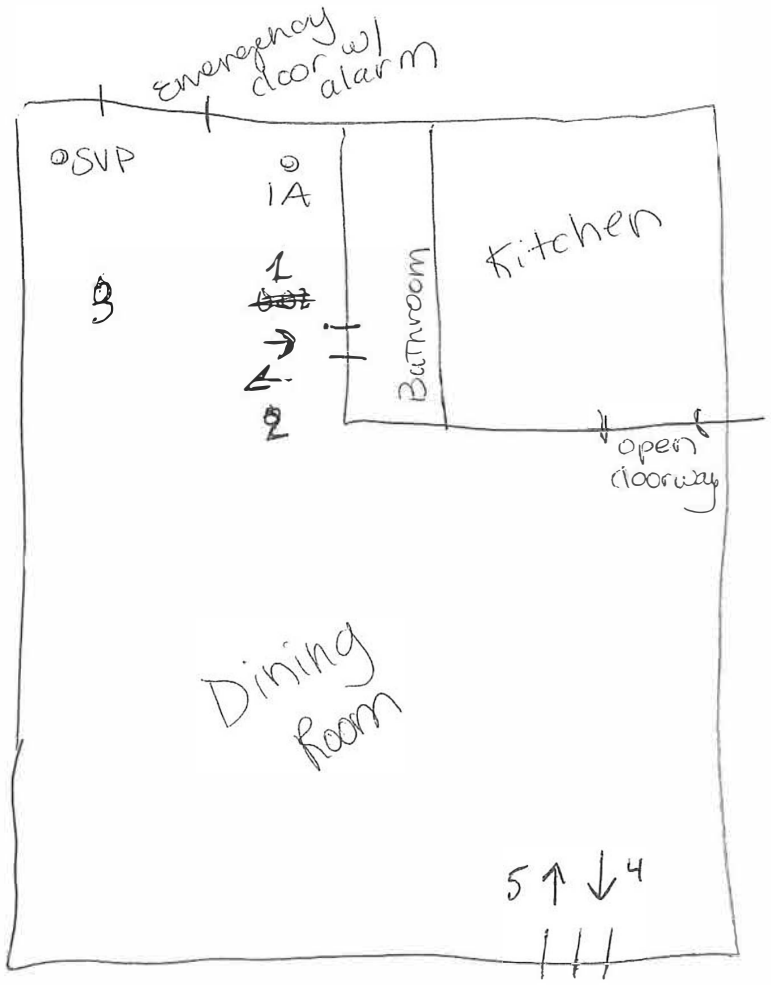
	Project #: 1602533 NYSDEC# C152228A Project Name: South Shore Outdoor Location: Bayshore, NY Project Manager: Kritika Thapa

Building Address: Dunkin'
Date: 2/28/2024

Sampler(s): M Gilkey / K. Cassidy

Fluke Location #1		Fluke Location #2	
Time	Pressure Differential	Time	Pressure Differential
1	0.02 in. water		
2	0 in. water		
3	0 in. water		
4	0.025 in. water		
5	-0.025 in. water		

Building Map/Fluke Locations



FLUKE READING FORM

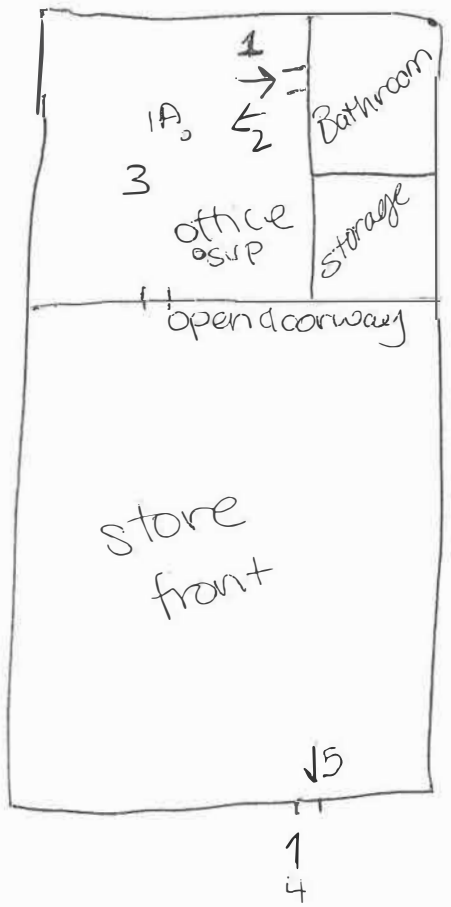
Syracuse, NY 13202	Project #: 160293.33 NYSDEC C152228A Project Name: South Shore Outdoor Location: Bayshore, NY Project Manager: Kritika Thapa

Building Address: Variety Shop Sampler(s): M. Gilkey / K. Cassidy

Date: 2/29/24

Fluke Location #1		Fluke Location #2	
Time	Pressure Differential	Time	Pressure Differential
1	0.006 in. water		
2	0.003 in water		
3	0.003" H_2O		
4	0.003" H_2O		
5	-0.003" H_2O		

Building Map/Fluke Locations



FLUKE READING FORM

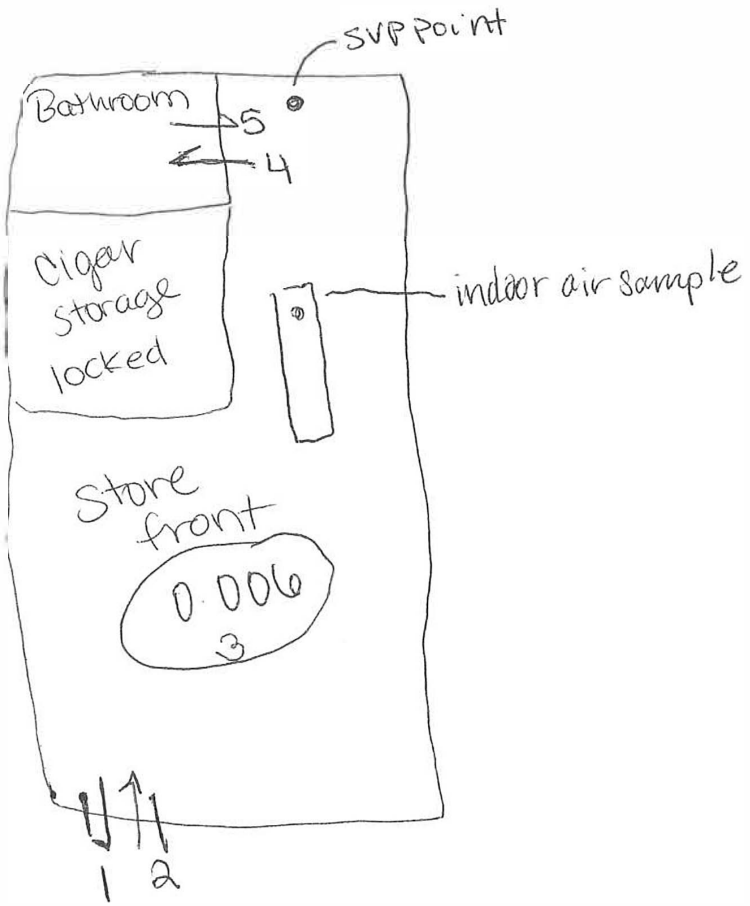
EA®	Project #: C1522225A Project Name: South Shore outdoor Location: Bayshore, NY Project Manager: Kritika Thapa

Building Address: 1750 5th Ave Sampler(s): M. Gilkey / K. Cassidy

Date: 2/27/24

Fluke Location #1		Fluke Location #2	
Time	Pressure Differential	Time	Pressure Differential
1010 1	0.134 (in→Outside		
2	0.00		
3	0.006		
4	0.008		
5	0.008		

Building Map/Fluke Locations



OSR – 3

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Moriah Gilkey Date/Time Prepared Feb 29 2024

Preparer's Affiliation EA Engineering Phone No. 315 380 1346

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____ * Multi-Use Commercial Space

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: Yim First Name: Julie Property Manager
Raymond Rottkamp
rotty33@yahoo.com

Address: _____

County: _____

Home Phone: _____ Office Phone: 646 725 8685

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Nail Salon, Variety Store, Multiple resturants, party store, vacant

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? (Y) / N How air tight? Tight (Average) Not Tight

↳ appeared to be...
...assumed central air

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

*Please see fluke readings taken @ each sample locations business *

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other None
c. Basement floor:	concrete	dirt	stone	other None
d. Basement floor:	uncovered	covered	covered with None	
e. Concrete floor:	unsealed	sealed	sealed with None	
f. Foundation walls:	poured	block	stone	other None
g. Foundation walls:	unsealed	sealed	sealed with None	
h. The basement is:	wet	damp	dry	moldy (NA)
i. The basement is:	finished	unfinished	partially finished (NA)	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

None observed - All slab floor was covered w/ tile, carpet, or vinyl

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	Unknown

Domestic hot water tank fueled by: Not observed

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Above drop ceiling - what was visible appeared in good condition

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Occupied during business operation; Convience store & Dunkin has the longest hours
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / N When? Unknown

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? No

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? Routine Cleaning @ Resturants & stores

i. Have cosmetic products been used recently? (Y) N When & Type? _____

↳ One business (Ø sampled) in is a nail salon

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? Middle business (sample HA-2 & SS-2)

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? Air fresheners found @ multiple sample businesses

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? Unknown → Tetreeze

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Unknown

o. Is there a clothes dryer? Y / (Y) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N

If yes, please describe: Restaurant odors, Middle business has odor from new flooring installed

Do any of the building occupants use solvents at work? (Y) / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Nail Salon was sample or inventoried → assumed use of cosmetic solvents

If yes, are their clothes washed at work? Y / (N) → closed during sampling activities

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

No
(Unknown)

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

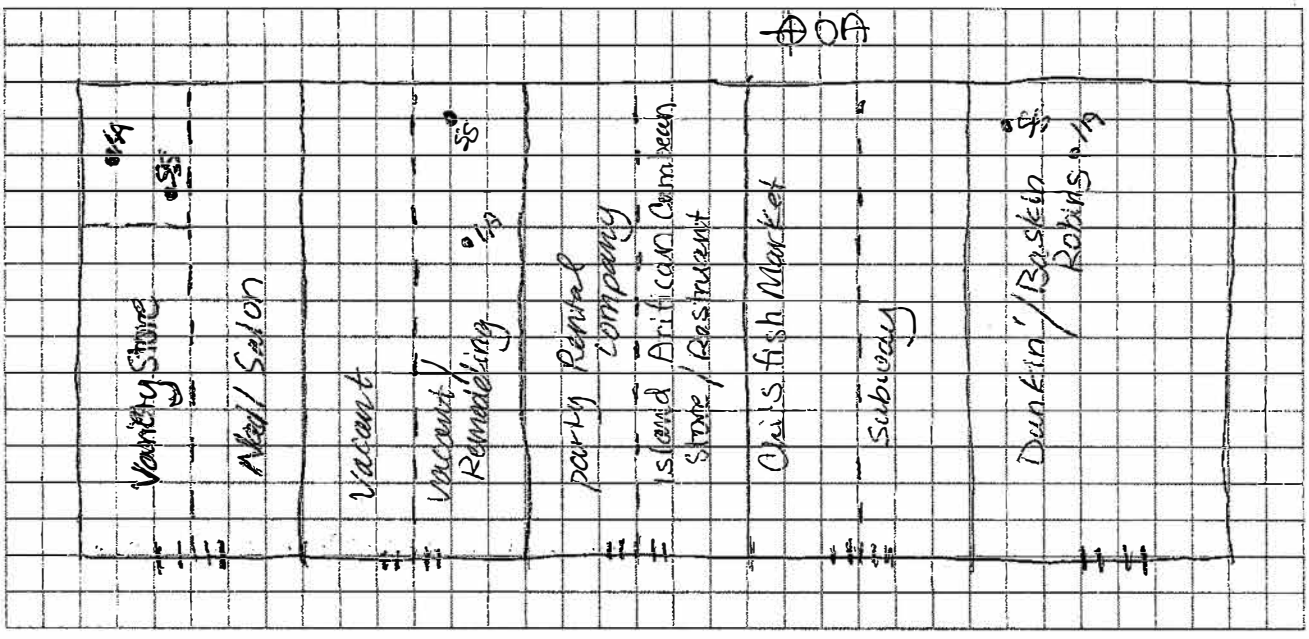
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

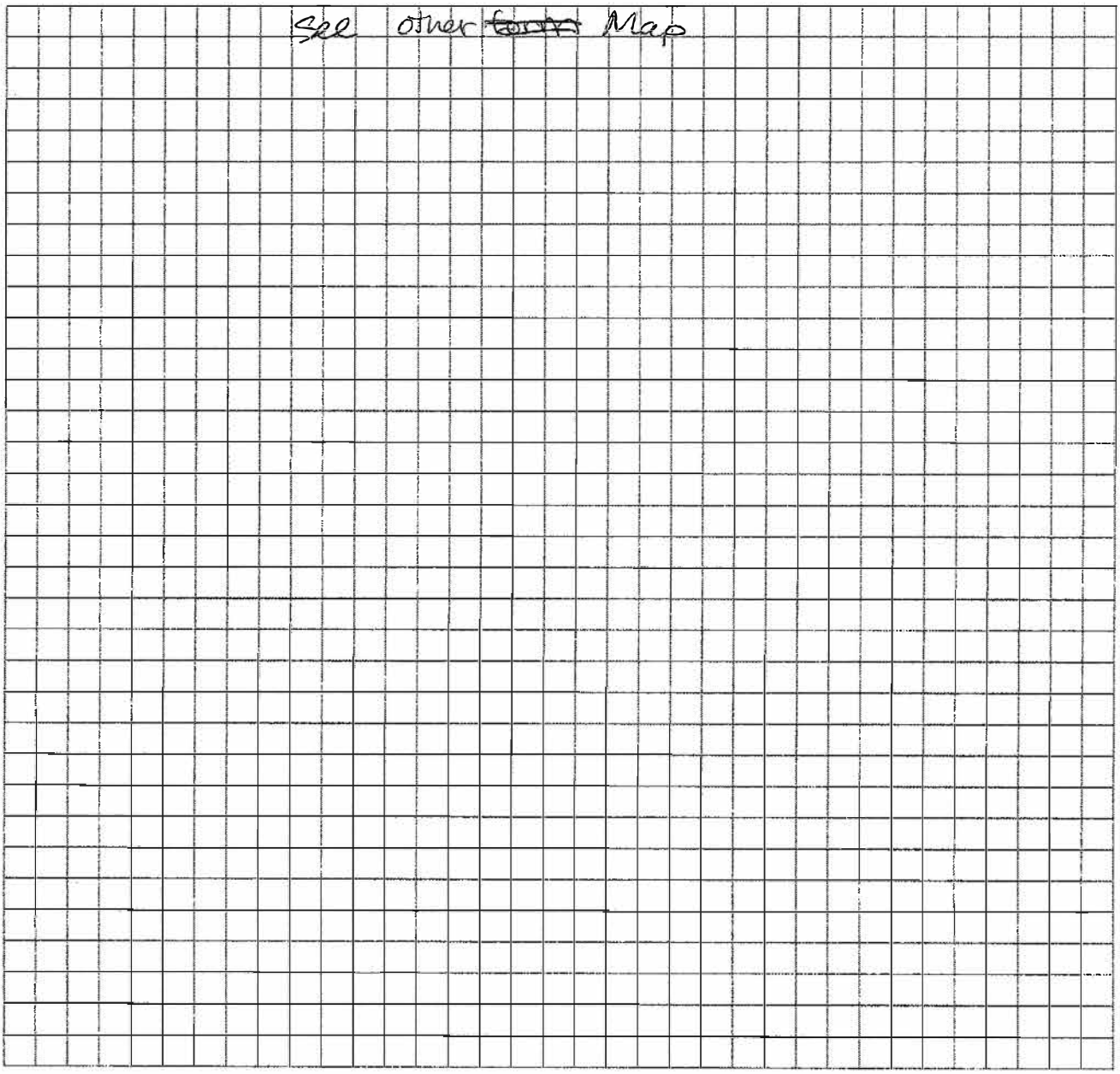
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



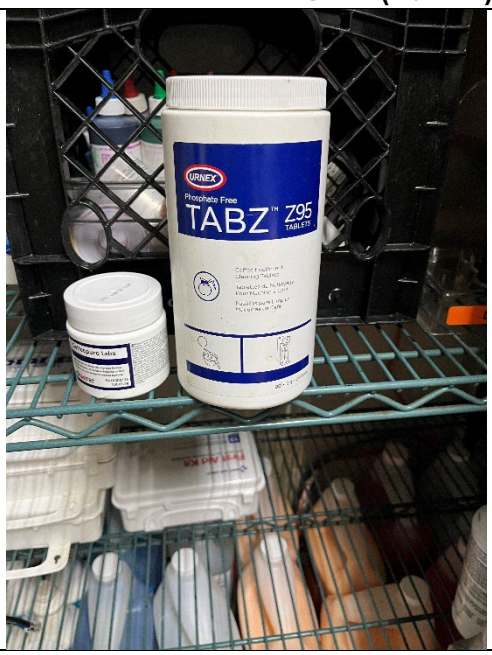
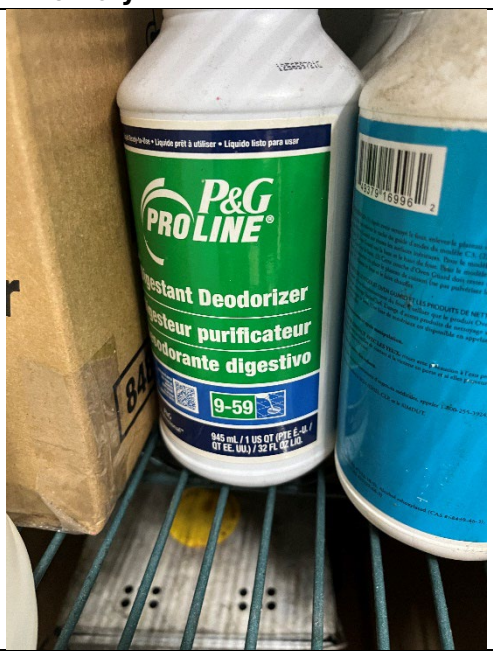
13. PRODUCT INVENTORY FORM

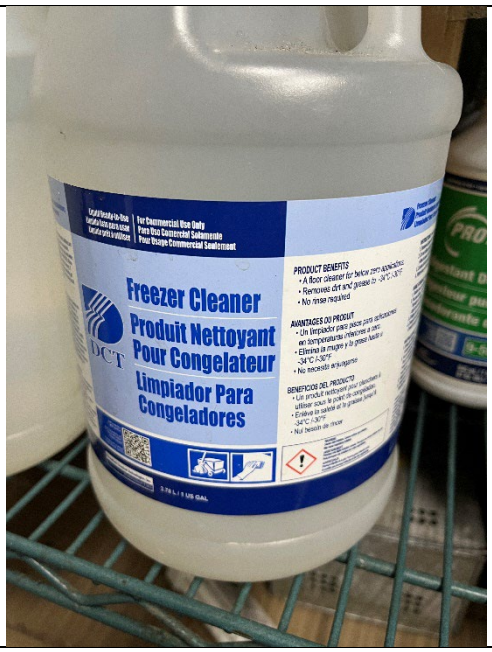
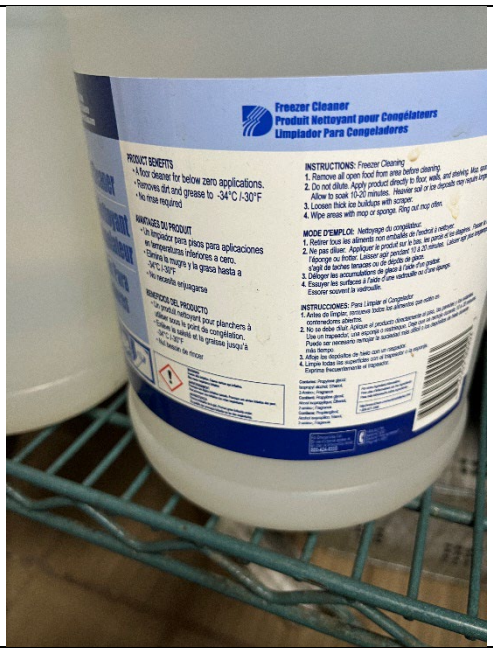
Make & Model of field instrument used: Honeywell MiniRAE 3000+

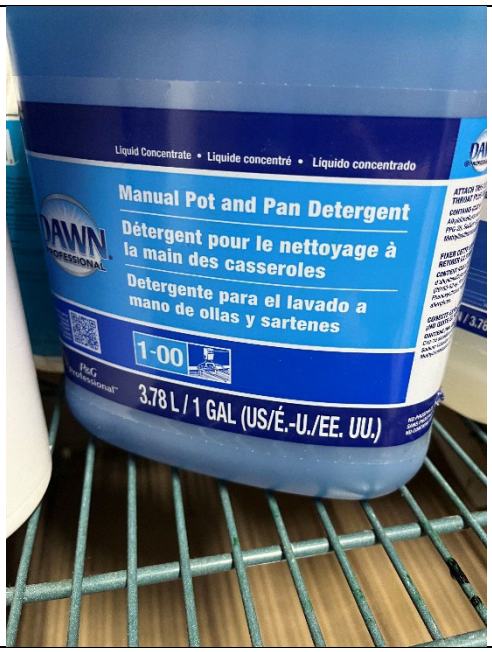
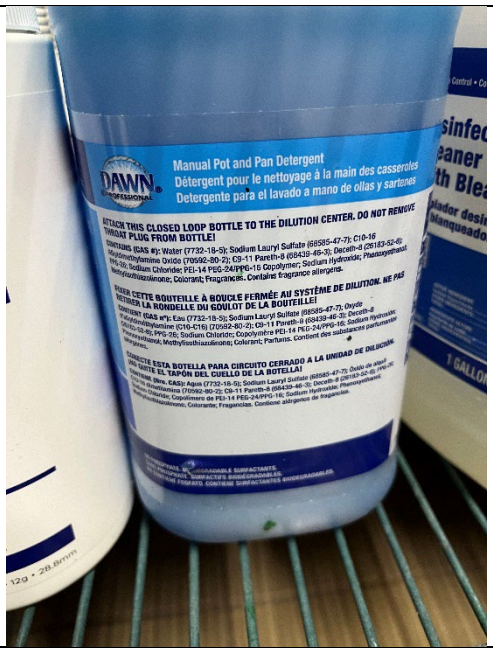
List specific products found in the residence that have the potential to affect indoor air quality.

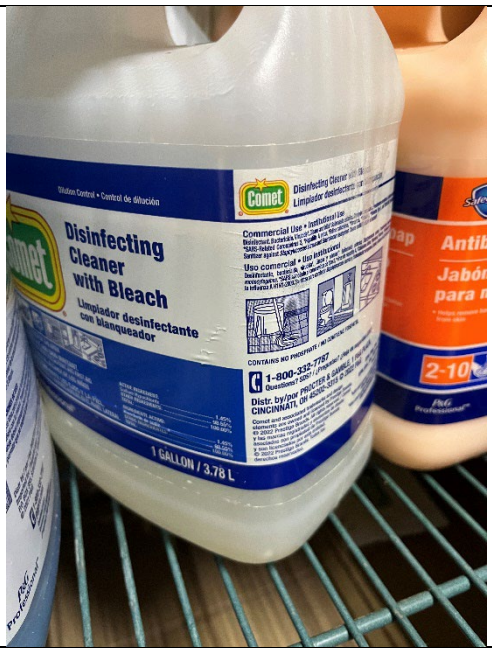
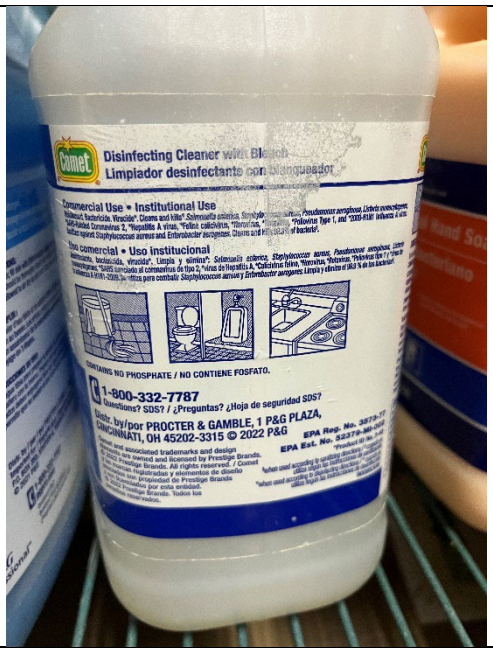
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
	See Structure Specific photographic logs					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

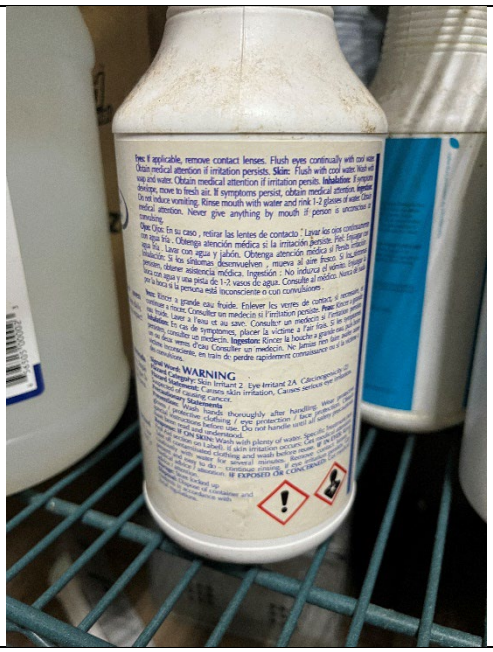
Unit 1(Dunkin) Chemical Inventory	
	
Ingredients: Disodium carbonate, Sodium percarbonate, DL-Tartarid acid, Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (C12-18-alkyl esters, sodium salts, Alcohols, C9-11, ethoxylated PID: 0.0 ppm Single Good condition	Ingredients: C12-15 Pareth, CSB 7B, Fragrances, Methylchloroisothiazolinone, Methylisothiazolinone, Sodium C10-16 Alkylbenzenesulfonate, Tetrasodium EDTA, Water, modified styrene/acrylic copolymer PID: 0.0 ppm Multiple Sealed in good condition

	
Ingredients not listed on bottle – Online SDS lists : propylene glycol, Isoproply alcohol, and 2-Amnio ethanol as ingredients. PID : 0.0 ppm Quantity: 4 Sealed and in good condition	Same jug as left

	
Dish Detergent Water; Sodium Lauryl Sulfate; C10-16 Alkyldimethylamine oxide; C9-11 Pareth-8; Decth-8; PPG-16;Sodium chloride; PEI-14 PEG24/PPG-16 Copolymer; Sodium Hydroxide; Phenoxyethanol; Methylisothiazolinone; Colorant; Fragrances. PID = 0.0 ppm Quantity 4 Sealed and in good condition	Ingredients in the dish detergent

	
Ingredients: Water, Sodium Octyl Sulfate, Sodium Lauryl Sulfate, Sodium Hypochlorite, Sodium Hydroxide, Sodium Silicate, 2,6-dimethyl-7-octen-2-ol, 2-octanol, 2,6-dimethyl-, 3-octanol, 3,7-dimethyl-, Eucalyptol, Linalool, p-Cymene, Terpineol, dihydro-, acetate	See left for ingredients PID: 0.1 ppm Quantity 1 Sealed and in good condition

	
Ingredients: Benzalkonium Chloride 0.12%, Water, glycerin, cocoamidopropyl betaine, polyoxypropylene-polyoxyethylene block copolymer, benzyl alcohol, fragrance, phenoxyethanol, tetra sodium EDTA, dehydroacetic acid, FD&C Red #4, FD&C Yellow #5 PID = 0.1 ppm Quantity 3 Sealed and in good condition	Ingredients from SDS online: Polyethylene glycol, Alcohols, C9-11, ethoxylated, Nonylphenol, branched, ethoxylated PID = 0.1 ppm Quantity 5 Sealed and in good condition

	
Ingredients from SDS online – ingredients not listed on bottle: 2-aminoethanol, Dodecylbenzenesulphonic acid, compound with 2,2',2''- nitrilotriethanol (1:1), dodecylbenzenesulphonic acid, compound with 2-aminoethanol (1: 1), 1-(2-butoxy-1-methylethoxy)propan-2-ol, methanol	See ingredient list to the left. Quantity: 1 Bottle appeared old but was sealed and appeared in good condition PID = 0.0 ppm

Unit 2 is not currently occupied, and the tenant is currently remodeling the space. This includes new flooring and fresh paint. The following were the only chemical items that were observed during the SVI.

Febreze Odor-Fighting Air Freshener, Heavy Duty Crisp Clean, 8.8 fl oz: Nitrogen, Water, Cyclodextrin, Alcohol, Hydrogenated Castor Oil, Dialkyl Sodium Sulfosuccinate, Sodium Citrate, Citric Acid, Sodium Polyacrylate, Benzisothiazolinone, Fragrance

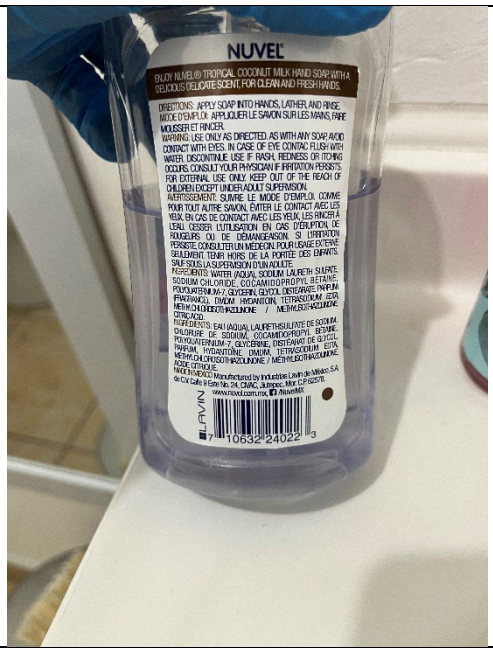
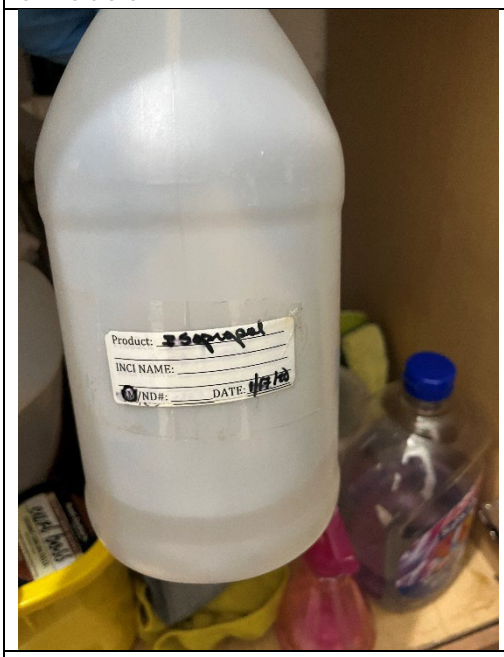
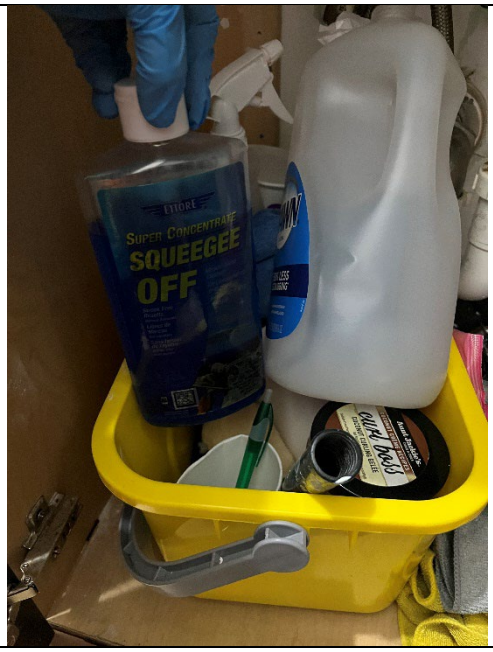
PID= 0.0 ppm

Open but sealed can of Behr Paint and Primer: Hydrated silica, Nepheline syenite, 2-Ethylhexyl benzoate, Titanium dioxide, Aluminum hydroxide, Kaolin clay (calcined)

PID = 0.1 ppm

Softsoap bottle in bathroom: Water/Eau, Sodium C12-13 Pareth Sulfate, Cocamidopropyl Betaine, Citric Acid, Parfum/Fragrance, Sodium Benzoate, Propylene Glycol, Cocamide MEA, Sodium Chloride, Tetrasodium EDTA, Polyquaternium-7, Ext. Violet 2.
PID = 0.0 ppm

Unit 3 (Variety Store) Chemical Inventory	
	
Body spray located in bathroom. Quantity 1 Sealed and in good condition. See Left for Ingredients PID = 0.0 ppm	Body Spray is located in bathroom Ingredients off bottle: Alcohol, Denat. Water, fragrance, propylene glycol, ethylhexyl methoxycinnamate, ethylhexyl salicylate, butyl methoxydibenzoylmethane, benzyl salicylate, limonene, linalool, alpha-isomethyl ionone, hydroxylcirtonellal, citronellol, geraniol, benzyl alcohol, hexyk cinnamal, RED 33(CI17200), RED 4 CI 14700), GREEN 3 (CI42053).

	
Ingredients: water sodium lauteth sulfate, sodium chloride, cocamidopropyl betaine, polyquarternium-7, glycerin, glycol distearate, parfum, DMDM hydantoin, tetrasodium EDTA, methychloroisothazolnone/methylisothazolnone, citric acid.	Quantity 1 Sealed and in good condition PID = 0.0 ppm
	
Assumed Jug of Isopropyl Alcohol Quantity 1 Sealed and in good condition PID = 0.1 ppm	Ingredients not listed on bottle – Ingredients from SDS online: Oxirane, methyl, polymer with oxirane, mono(2-propylheptyl) ether and Alcohol ethoxylate Quantity 1 ; PID = 0.1 ppm Sealed and in good condition

	
Ingredients: Alcohol denat., C10-16 alkyldimethylamine oxide, C9-11 Parteh-8, Colorants, DECETH-8, Fragrances, Methylisothiazolinone, PEI-14 PEG/PPG-16 COPOLYMER, Phenoxyethanol, PPG-26, Sodium Chloride, Sodium Laureth Sulfate, Water	Ingredients to the left PID 0.0 ppm Quantity 1 Sealed and in good condition
Not photographed a closed half used bottle of AJAX: calcium carbonate, sodium dodecyl benzene sulfonate, sodium aluminosilicate, water, symclosene, fragrance, DYE, sodium carbonate, PID = 0.0 ppm	**Not photographed a sealed half used bottle of soft soap:** Water/Eau, Sodium C12-13 Pareth Sulfate, Cocamidopropyl Betaine, Citric Acid, Parfum/Fragrance, Sodium Benzoate, Propylene Glycol, Cocamide MEA, Sodium Chloride, Tetrasodium EDTA, Polyquaternium-7, Ext. Violet 2.
	PID = 0.0 ppm

South Shore
1602533

7/14/23

0915 J. Fontaine onsite.
Coordinated w M. Gilkey on sample delivery & shipment to Pace.
Called P. Gannon to discuss trouble-shooting options for Trimble Geo 7X.
Troubleshooted Trimble GPS — internal antenna/GNSS receiver disconnected. Reconnected.
Reset the GNSS receiver.
Unit needs ~20 min. to track satellites.

1015 J. Fontaine offsite to deliver samples to Pace Analytical Long Island and allow Trimble time to track satellites.

1300 J. Fontaine onsite.
Cleaned site staging area, disposed of trash, packed up field equipment.
Collected reference photos of decon pad and IDW drums.
Coordinated pad + drum pickup w/ AARCO.

1404 Collected GPS coordinates and reference photos of final boring and SVP locations.

1515 J. Fontaine offsite.

7/14/23

South Shore Outdoor (C152228A) 2/27/24

WX: 53°F; Sun; 11 mph S (PM)

1200 On site (M. Gilkey & K. Cassidy)
Aarco onsite

1210 Mobilize to CVS-SV-01
Push down to point w/ geoprobe

1215 Install 6" steel screen
fill in w/ sand & bentonite on top
Mobilize to CVS-SV-2

1230 Push to 10 ft bgs
& install steel screen & tubing
fill w/ sand
Install well skirts & cover
Install concrete box

1320 Aarco offsite

1400 Begin gauging onsite wells
MW-5RD PID: 0.8 ppm
DTW: 31.49 ft btoc DTB 44.65

0205 MW-5R PID: 0.4 ppm
DTW: 31.56 ft btoc DTB 38.09
MW-1R PID: 0.1 ppm
DTW = 32.21 ft btoc DTB: 43.20 ft btoc
MW-3 PID: 1.0 ppm
DTW: 31.03 DTB: 42.93
FN-1a pid: 0.0
DTW: 36.05 ft btoc DTB 48.08 ft btoc
CW-1 pid 0.2 ppm
DTW: 34.20 DTB 36.18

Rite in the Rain

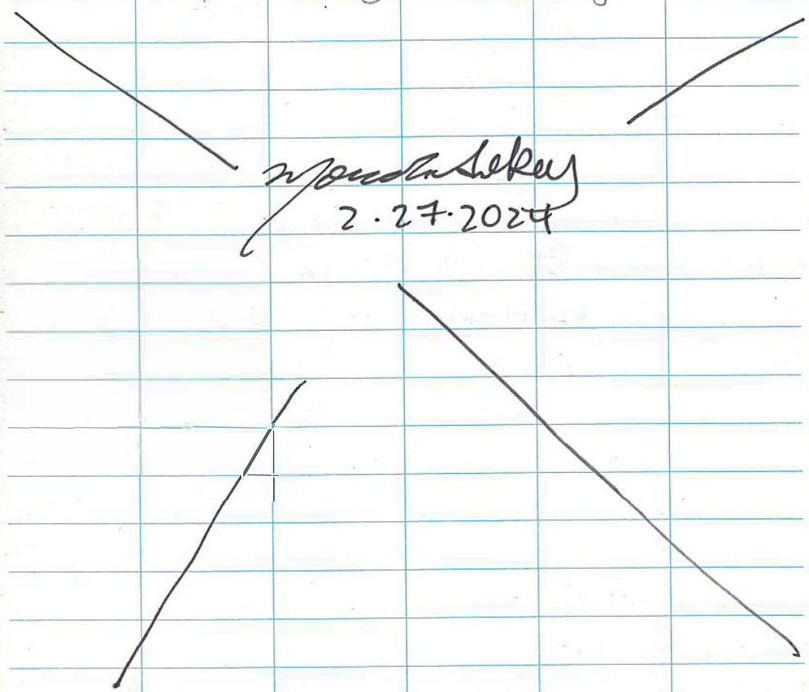
26 South Shore Outdoor 2/27/24

WX: 54°F, Sunny; 13mph S

1530 Check-in w/ tennants about airsampling being performed tomorrow; No tennants were aware - Tenant located in The African Caribbean island did ∅ allow drilling into the floor

1600 Contact Property Manager about access

1700 EA (M. Gilkey & K. Cassidy) offsite



South Shore Outdoor (C152228A) 2/27/24

WX: Rain; 19 mph SSE (AM)

0815 M. Gilkey & K. Cassidy (EA) onsite.

0830 EA Checked-in w/ Dunkin Donuts Manager → They needed to call the district manager to confirm

0900 Check in w/ Subway to get key to vacant shop

0930 drilled first point → tubing would not go past 3" → drilled again → same result EA patched this point & tried a different location.

1000 Next location drilled is successful 5AVE-SSV-2; Slab ≈ 6" thick

1030 Perform leak test → Passed

1024 Set ~~[illegible]~~ OA-1; Start pressure -29

~~1055~~ Start sample at 5AVE-SSV-02 & 5AVE-SSV-DUP-28022024; start pressure -30"Hg

1103 Start sample at 5AVE-IA-2 & IA-DUP-28022024; start pressure -28"Hg

1115 Check-in w/ Variety Store

1120 Drill point & perform leak test → ~~Test~~ passed

1134 Start 5AVE-SV-3; start pressure -31

1137 Start 5AVE-IA-3; start pressure -31

1150 Check-in w/ Dunkin'; got green light to sample

1200 Drill pt.; Perform leak Test → Test passed

Rite in the Rain

28 South Shore Outdoor (C152228A) 2/28/23

WX: 52°F; Cloudy; 14 mph SSW; 29.60"Hg; 85% humidity

1222 Start sample SAVE-SSV-1
↳ Start pressure -30
Start sample SAVE-1A-1
1225 ↳ Start pressure -30
1340 Perform leak test of CVS-SSV-2
↳ Test Passed
1417 Start sample of CVS-SV-2
↳ start pressure -30 MLK
1425 Perform leak test of CVS-SV-~~3~~ 1
↳ test passed
1428 Start sample of CVS-SV-1
↳ start pressure -29"Hg
1618 Collect sample of CVS-SV-2
↳ stop pressure -6"Hg
1623 Collect sample of CVS-SV-1
↳ stop pressure = -5"Hg
1822 Collect sample of SAVE-OA-1 &
↳ stop pressure -9"Hg
1830 Collect sample of ~~SV~~ SAVE-~~1A-SV~~2
& Dup (1A)
↳ stop pressure -9"Hg
1834 Collect sample of SAVE-SSV-2
& Dup → stop pressure -8"Hg
1932 Collect sample of SAVE-SV-3
↳ stop pressure -10"Hg
1938 Collect sample of SAVE-1A-3; stop pressure -11

South Shore Outdoor (C152228A) 2.28.24 29

WX: 48°F; Cloudy/Rain; 19mph SSW (PM)

2051 Stop collection of SAVE-1A-1
↳ stop pressure -10" Hg
2053 Stop collection of SAVE-SV-1
↳ stop pressure -10" Hg
2100 Fill in SVP hole @ Dunkin
2120 Take chem inv in Dunkin
2145 M. Gilkey & K. Cassidy (EA) offsite
~~2214~~

Mark Selkey
2.28.2024

Rite in the Rain

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

http://www.pacelabs.com DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	EA Engineering
Address:	269 W. Jefferson St, Syracuse, NY 13202
Phone:	315 380 1346 (Sampler)
Project Name:	South Shore Outdoor
Project Location:	Bayshore, NY
Project Number:	NYSDEC 152228A EA#16025 33
Project Manager:	Kritika Thapa
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Moriah Gilkey

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other: Cat B
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	TO-15 SIM			" Hg		Lab Receipt Pressure	Summa Can ID	Flow Controller ID
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☒ m³/min L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure			
	CVS-SV-2-28022024	2/28/24 1417	2/28/24 1618	121	~~0.0125~~ 0.08	SG	6.0	X				-30	-6		1304	4402
	CVS-SV-1-28022024	2/28/24 1420	2/28/24 1623	115	0.015	SG	5.75	X				-29	-5		1984	4446
	SAVE-SSV-3-28022024	2/28/24 1134	2/28/24 1932	478	0.0125	SS	5.8	X				-31	-10		1982	3336
	SAVE-IA-3-28022024	2/28/24 1137	2/28/24 1930	481	0.0125	IA	6.0		X			-31	-11		10556	3160
	SAVE-SSV-2-28022024	2/28/24 1055	2/28/24 1834	459	0.0125	SS	5.74	X				-30	-8		2023	5082
	SAVE-IA-2-28022024	2/28/24 1103	2/28/24 1830	447	0.0125	IA	5.59		X			-28	-9		19616	5096
	SAVE-SSV-1-28022024	2/28/24 1222	2/28/24 2053	511	0.0125	SS	6.0	X				-30	-10		12336	3085
	SAVE-IA-1-28022024	2/28/24 1225	2/28/24 2031	506	0.0125	IA	6.0		X			-30	-10		19611	3561
	SAVE-OA-1-28022024	2/28/24 1024	2/28/24 1822	478	0.0125	AMB	5.98	X				-29	-9		2197	3559

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
1 unused air can returned — labeled on tag
Request NYSDEC EQuIS EDD ug/m³

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/1/24 1730	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time:	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time:		MCP Certification Form Required
Received by: (signature)	Date/Time:		☐ CT RCP Required
Relinquished by: (signature)	Date/Time:	CT	RCP Certification Form Required
Received by: (signature)	Date/Time:		☐ Other
		Other:	

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical®

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Fax: 413-525-6405
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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

see page 1

Company Name:	
Address:	
Phone:	
Project Name:	
Project Location:	
Project Number:	
Project Manager:	
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverable
CLP Like Data Pkg Required: ☐
Email To: k.thapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	TO-15 SIM			" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	SSV-DUP-20022024	2/20/24	2/20/24	—	0.0125	SS	6	X				-30	-8		1741	5082
	IA-DUP-20022024	2/20/24	2/20/24	—	0.0125	IA	6		X			-28	-9		1938	5096

Comments:
see page 1

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/1/24 1230
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Attachment D

Analytical Data and Data Usability Study Report

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

July 31, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

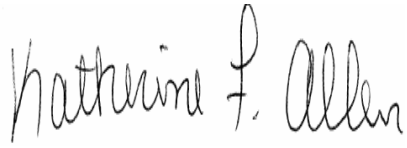
Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2057

Enclosed are results of analyses for samples as received by the laboratory on July 17, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

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

NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 7/31/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2057

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-SV-1-13072023	23G2057-01	Soil Gas		EPA TO-15	
5AVE-SV-2-13072023	23G2057-02	Soil Gas		EPA TO-15	
ABI-SV-1-13072023	23G2057-03	Soil Gas		EPA TO-15	
SV-DUP-1	23G2057-04	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01 Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene

B347545-BS1

L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12), Ethanol, Naphthalene, Propene, Trichlorofluoromethane (Freon 11)

23G2057-01[5AVE-SV-1-13072023], 23G2057-02[5AVE-SV-2-13072023], 23G2057-03[ABI-SV-1-13072023], 23G2057-04[SV-DUP-1], B347545-BS1

V-06 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

23G2057-01[5AVE-SV-1-13072023], 23G2057-02[5AVE-SV-2-13072023], 23G2057-03[ABI-SV-1-13072023], 23G2057-04[SV-DUP-1], B347545-BS1, S091262-CCV1

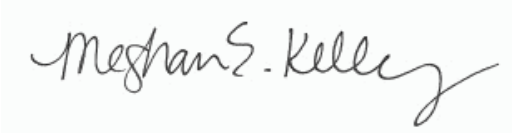
Z-01 Calibrations RSD for this compound is >30% but <40%.

Analyte & Samples(s) Qualified:

Naphthalene

23G2057-01[5AVE-SV-1-13072023], 23G2057-02[5AVE-SV-2-13072023], 23G2057-03[ABI-SV-1-13072023], 23G2057-04[SV-DUP-1], B347545-BLK1, B347545-BS1, S091262-CCV1

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



Meghan E. Kelley
Reporting Specialist

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-1-13072023
Sample ID: 23G2057-01
Sample Matrix: Soil Gas
Sampled: 7/13/2023 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1478
Canister Size: 6 liter
Flow Controller ID: 4359
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0	0.94		ND	9.5	2.2	2	7/26/23 0:28	CMR
Benzene	28	0.10	0.031		89	0.32	0.099	2	7/26/23 0:28	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 0:28	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 0:28	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 0:28	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 0:28	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 0:28	CMR
2-Butanone (MEK)	ND	4.0	1.1		ND	12	3.3	2	7/26/23 0:28	CMR
Carbon Disulfide	1.5	1.0	0.19		4.6	3.1	0.60	2	7/26/23 0:28	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 0:28	CMR
Chlorobenzene	0.56	0.10	0.025		2.6	0.46	0.12	2	7/26/23 0:28	CMR
Chloroethane	10	0.10	0.063		27	0.26	0.17	2	7/26/23 0:28	CMR
Chloroform	ND	0.10	0.026		ND	0.49	0.13	2	7/26/23 0:28	CMR
Chloromethane	76	0.20	0.041		160	0.41	0.084	2	7/26/23 0:28	CMR
Cyclohexane	26	0.10	0.044		88	0.34	0.15	2	7/26/23 0:28	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 0:28	CMR
1,2-Dibromoethane (EDB)	0.050	0.10	0.033	J	0.38	0.77	0.26	2	7/26/23 0:28	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 0:28	CMR
1,3-Dichlorobenzene	2.6	0.10	0.037		16	0.60	0.22	2	7/26/23 0:28	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 0:28	CMR
Dichlorodifluoromethane (Freon 12)	1.1	0.10	0.042	L-05, V-06	5.6	0.49	0.21	2	7/26/23 0:28	CMR
1,1-Dichloroethane	3.0	0.10	0.032		12	0.40	0.13	2	7/26/23 0:28	CMR
1,2-Dichloroethane	0.22	0.10	0.038		0.89	0.40	0.15	2	7/26/23 0:28	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 0:28	CMR
cis-1,2-Dichloroethylene	1.2	0.10	0.031		4.7	0.40	0.12	2	7/26/23 0:28	CMR
trans-1,2-Dichloroethylene	0.18	0.10	0.033		0.71	0.40	0.13	2	7/26/23 0:28	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 0:28	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 0:28	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 0:28	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 0:28	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/26/23 0:28	CMR
Ethanol	43	4.0	2.7	L-05	81	7.5	5.0	2	7/26/23 0:28	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/26/23 0:28	CMR
Ethylbenzene	2.2	0.10	0.029		9.7	0.43	0.13	2	7/26/23 0:28	CMR
4-Ethyltoluene	0.41	0.10	0.043		2.0	0.49	0.21	2	7/26/23 0:28	CMR
Heptane	23	0.10	0.063		92	0.41	0.26	2	7/26/23 0:28	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 0:28	CMR
Hexane	88	4.0	1.3		310	14	4.7	2	7/26/23 0:28	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 0:28	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 0:28	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 0:28	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 0:28	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/26/23 0:28	CMR
Naphthalene	0.52	0.10	0.067	L-05, Z-01	2.7	0.52	0.35	2	7/26/23 0:28	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 0:28	CMR
Styrene	0.47	0.10	0.054		2.0	0.43	0.23	2	7/26/23 0:28	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 0:28	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-1-13072023
Sample ID: 23G2057-01
Sample Matrix: Soil Gas
Sampled: 7/13/2023 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1478
Canister Size: 6 liter
Flow Controller ID: 4359
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12	0.10	0.037		83	0.68	0.25	2	7/26/23 0:28	CMR
Tetrahydrofuran	0.58	1.0	0.21	J	1.7	2.9	0.61	2	7/26/23 0:28	CMR
Toluene	6.7	0.10	0.036		25	0.38	0.14	2	7/26/23 0:28	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 0:28	CMR
1,1,1-Trichloroethane	0.046	0.10	0.031	J	0.25	0.55	0.17	2	7/26/23 0:28	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 0:28	CMR
Trichloroethylene	0.35	0.10	0.041		1.9	0.54	0.22	2	7/26/23 0:28	CMR
Trichlorofluoromethane (Freon 11)	ND	0.40	0.041		ND	2.2	0.23	2	7/26/23 0:28	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.022		ND	3.1	0.17	2	7/26/23 0:28	CMR
1,2,4-Trimethylbenzene	2.2	0.10	0.046		11	0.49	0.23	2	7/26/23 0:28	CMR
1,3,5-Trimethylbenzene	0.63	0.10	0.052		3.1	0.49	0.25	2	7/26/23 0:28	CMR
Vinyl Acetate	ND	2.0	0.36		ND	7.0	1.3	2	7/26/23 0:28	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 0:28	CMR
m&p-Xylene	9.4	0.20	0.070		41	0.87	0.30	2	7/26/23 0:28	CMR
o-Xylene	3.4	0.10	0.037		15	0.43	0.16	2	7/26/23 0:28	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	97.7	70-130	7/26/23 0:28	

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-2-13072023
Sample ID: 23G2057-02
Sample Matrix: Soil Gas
Sampled: 7/13/2023 14:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1625
Canister Size: 6 liter
Flow Controller ID: 4439
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	64	4.0	0.94		150	9.5	2.2	2	7/26/23 0:54	CMR
Benzene	1.2	0.10	0.031		3.9	0.32	0.099	2	7/26/23 0:54	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 0:54	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 0:54	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 0:54	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 0:54	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 0:54	CMR
2-Butanone (MEK)	6.1	4.0	1.1		18	12	3.3	2	7/26/23 0:54	CMR
Carbon Disulfide	5.0	1.0	0.19		16	3.1	0.60	2	7/26/23 0:54	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 0:54	CMR
Chlorobenzene	0.25	0.10	0.025		1.2	0.46	0.12	2	7/26/23 0:54	CMR
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	7/26/23 0:54	CMR
Chloroform	0.63	0.10	0.026		3.1	0.49	0.13	2	7/26/23 0:54	CMR
Chloromethane	ND	0.20	0.041		ND	0.41	0.084	2	7/26/23 0:54	CMR
Cyclohexane	0.45	0.10	0.044		1.5	0.34	0.15	2	7/26/23 0:54	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 0:54	CMR
1,2-Dibromoethane (EDB)	0.046	0.10	0.033	J	0.35	0.77	0.26	2	7/26/23 0:54	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 0:54	CMR
1,3-Dichlorobenzene	2.9	0.10	0.037		17	0.60	0.22	2	7/26/23 0:54	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 0:54	CMR
Dichlorodifluoromethane (Freon 12)	76	0.10	0.042	L-05, V-06	370	0.49	0.21	2	7/26/23 0:54	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/26/23 0:54	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/26/23 0:54	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 0:54	CMR
cis-1,2-Dichloroethylene	0.070	0.10	0.031	J	0.28	0.40	0.12	2	7/26/23 0:54	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/26/23 0:54	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 0:54	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 0:54	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 0:54	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 0:54	CMR
1,4-Dioxane	1.8	1.0	0.49		6.3	3.6	1.8	2	7/26/23 0:54	CMR
Ethanol	36	4.0	2.7	L-05	68	7.5	5.0	2	7/26/23 0:54	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/26/23 0:54	CMR
Ethylbenzene	2.5	0.10	0.029		11	0.43	0.13	2	7/26/23 0:54	CMR
4-Ethyltoluene	0.34	0.10	0.043		1.7	0.49	0.21	2	7/26/23 0:54	CMR
Heptane	1.2	0.10	0.063		4.8	0.41	0.26	2	7/26/23 0:54	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 0:54	CMR
Hexane	1.4	4.0	1.3	J	5.0	14	4.7	2	7/26/23 0:54	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 0:54	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 0:54	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 0:54	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 0:54	CMR
4-Methyl-2-pentanone (MIBK)	0.85	0.10	0.053		3.5	0.41	0.22	2	7/26/23 0:54	CMR
Naphthalene	0.41	0.10	0.067	L-05, Z-01	2.1	0.52	0.35	2	7/26/23 0:54	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 0:54	CMR
Styrene	0.52	0.10	0.054		2.2	0.43	0.23	2	7/26/23 0:54	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 0:54	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-2-13072023
Sample ID: 23G2057-02
Sample Matrix: Soil Gas
Sampled: 7/13/2023 14:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1625
Canister Size: 6 liter
Flow Controller ID: 4439
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	21	0.10	0.037		140	0.68	0.25	2	7/26/23 0:54	CMR
Tetrahydrofuran	0.98	1.0	0.21	J	2.9	2.9	0.61	2	7/26/23 0:54	CMR
Toluene	27	0.10	0.036		100	0.38	0.14	2	7/26/23 0:54	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 0:54	CMR
1,1,1-Trichloroethane	0.99	0.10	0.031		5.4	0.55	0.17	2	7/26/23 0:54	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 0:54	CMR
Trichloroethylene	0.11	0.10	0.041		0.57	0.54	0.22	2	7/26/23 0:54	CMR
Trichlorofluoromethane (Freon 11)	1.2	0.40	0.041	L-05	7.0	2.2	0.23	2	7/26/23 0:54	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.054	0.40	0.022	J	0.41	3.1	0.17	2	7/26/23 0:54	CMR
1,2,4-Trimethylbenzene	1.6	0.10	0.046		7.8	0.49	0.23	2	7/26/23 0:54	CMR
1,3,5-Trimethylbenzene	0.51	0.10	0.052		2.5	0.49	0.25	2	7/26/23 0:54	CMR
Vinyl Acetate	ND	2.0	0.36		ND	7.0	1.3	2	7/26/23 0:54	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 0:54	CMR
m&p-Xylene	11	0.20	0.070		46	0.87	0.30	2	7/26/23 0:54	CMR
o-Xylene	3.6	0.10	0.037		16	0.43	0.16	2	7/26/23 0:54	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	96.0	70-130	7/26/23 0:54	

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: ABI-SV-1-13072023
Sample ID: 23G2057-03
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1471
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	16	4.0	0.94		37	9.5	2.2	2	7/26/23 1:20	CMR
Benzene	0.45	0.10	0.031		1.5	0.32	0.099	2	7/26/23 1:20	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 1:20	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 1:20	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 1:20	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 1:20	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 1:20	CMR
2-Butanone (MEK)	ND	4.0	1.1		ND	12	3.3	2	7/26/23 1:20	CMR
Carbon Disulfide	3.4	1.0	0.19		11	3.1	0.60	2	7/26/23 1:20	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 1:20	CMR
Chlorobenzene	0.036	0.10	0.025	J	0.17	0.46	0.12	2	7/26/23 1:20	CMR
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	7/26/23 1:20	CMR
Chloroform	0.25	0.10	0.026		1.2	0.49	0.13	2	7/26/23 1:20	CMR
Chloromethane	0.22	0.20	0.041		0.45	0.41	0.084	2	7/26/23 1:20	CMR
Cyclohexane	0.14	0.10	0.044		0.48	0.34	0.15	2	7/26/23 1:20	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 1:20	CMR
1,2-Dibromoethane (EDB)	0.044	0.10	0.033	J	0.34	0.77	0.26	2	7/26/23 1:20	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 1:20	CMR
1,3-Dichlorobenzene	1.3	0.10	0.037		7.6	0.60	0.22	2	7/26/23 1:20	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 1:20	CMR
Dichlorodifluoromethane (Freon 12)	0.73	0.10	0.042	L-05, V-06	3.6	0.49	0.21	2	7/26/23 1:20	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/26/23 1:20	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/26/23 1:20	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 1:20	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/26/23 1:20	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/26/23 1:20	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 1:20	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 1:20	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 1:20	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 1:20	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/26/23 1:20	CMR
Ethanol	32	4.0	2.7	L-05	61	7.5	5.0	2	7/26/23 1:20	CMR
Ethyl Acetate	0.55	1.0	0.29	J	2.0	3.6	1.0	2	7/26/23 1:20	CMR
Ethylbenzene	1.9	0.10	0.029		8.1	0.43	0.13	2	7/26/23 1:20	CMR
4-Ethyltoluene	0.86	0.10	0.043		4.2	0.49	0.21	2	7/26/23 1:20	CMR
Heptane	0.41	0.10	0.063		1.7	0.41	0.26	2	7/26/23 1:20	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 1:20	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/26/23 1:20	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 1:20	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 1:20	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 1:20	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 1:20	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/26/23 1:20	CMR
Naphthalene	1.4	0.10	0.067	L-05, Z-01	7.3	0.52	0.35	2	7/26/23 1:20	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 1:20	CMR
Styrene	0.60	0.10	0.054		2.6	0.43	0.23	2	7/26/23 1:20	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 1:20	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: ABI-SV-1-13072023
Sample ID: 23G2057-03
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1471
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	15	0.10	0.037		100	0.68	0.25	2	7/26/23 1:20	CMR
Tetrahydrofuran	0.27	1.0	0.21	J	0.81	2.9	0.61	2	7/26/23 1:20	CMR
Toluene	25	0.10	0.036		95	0.38	0.14	2	7/26/23 1:20	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 1:20	CMR
1,1,1-Trichloroethane	1.1	0.10	0.031		5.8	0.55	0.17	2	7/26/23 1:20	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 1:20	CMR
Trichloroethylene	0.046	0.10	0.041	J	0.25	0.54	0.22	2	7/26/23 1:20	CMR
Trichlorofluoromethane (Freon 11)	0.37	0.40	0.041	L-05, J	2.1	2.2	0.23	2	7/26/23 1:20	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.094	0.40	0.022	J	0.72	3.1	0.17	2	7/26/23 1:20	CMR
1,2,4-Trimethylbenzene	5.7	0.10	0.046		28	0.49	0.23	2	7/26/23 1:20	CMR
1,3,5-Trimethylbenzene	1.3	0.10	0.052		6.5	0.49	0.25	2	7/26/23 1:20	CMR
Vinyl Acetate	0.70	2.0	0.36	J	2.5	7.0	1.3	2	7/26/23 1:20	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 1:20	CMR
m&p-Xylene	9.8	0.20	0.070		42	0.87	0.30	2	7/26/23 1:20	CMR
o-Xylene	3.8	0.10	0.037		17	0.43	0.16	2	7/26/23 1:20	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	99.3	70-130	7/26/23 1:20	

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: SV-DUP-1
Sample ID: 23G2057-04
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1322
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	17	4.0	0.94		40	9.5	2.2	2	7/26/23 1:46	CMR
Benzene	0.40	0.10	0.031		1.3	0.32	0.099	2	7/26/23 1:46	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 1:46	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 1:46	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 1:46	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 1:46	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 1:46	CMR
2-Butanone (MEK)	1.3	4.0	1.1	J	3.8	12	3.3	2	7/26/23 1:46	CMR
Carbon Disulfide	3.0	1.0	0.19		9.3	3.1	0.60	2	7/26/23 1:46	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 1:46	CMR
Chlorobenzene	0.036	0.10	0.025	J	0.17	0.46	0.12	2	7/26/23 1:46	CMR
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	7/26/23 1:46	CMR
Chloroform	0.21	0.10	0.026		1.0	0.49	0.13	2	7/26/23 1:46	CMR
Chloromethane	0.30	0.20	0.041		0.61	0.41	0.084	2	7/26/23 1:46	CMR
Cyclohexane	0.12	0.10	0.044		0.40	0.34	0.15	2	7/26/23 1:46	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 1:46	CMR
1,2-Dibromoethane (EDB)	0.038	0.10	0.033	J	0.29	0.77	0.26	2	7/26/23 1:46	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 1:46	CMR
1,3-Dichlorobenzene	1.1	0.10	0.037		6.6	0.60	0.22	2	7/26/23 1:46	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 1:46	CMR
Dichlorodifluoromethane (Freon 12)	0.73	0.10	0.042	L-05, V-06	3.6	0.49	0.21	2	7/26/23 1:46	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/26/23 1:46	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/26/23 1:46	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 1:46	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/26/23 1:46	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/26/23 1:46	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 1:46	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 1:46	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 1:46	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 1:46	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/26/23 1:46	CMR
Ethanol	31	4.0	2.7	L-05	59	7.5	5.0	2	7/26/23 1:46	CMR
Ethyl Acetate	0.89	1.0	0.29	J	3.2	3.6	1.0	2	7/26/23 1:46	CMR
Ethylbenzene	1.6	0.10	0.029		7.1	0.43	0.13	2	7/26/23 1:46	CMR
4-Ethyltoluene	0.84	0.10	0.043		4.1	0.49	0.21	2	7/26/23 1:46	CMR
Heptane	0.38	0.10	0.063		1.6	0.41	0.26	2	7/26/23 1:46	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 1:46	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/26/23 1:46	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 1:46	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 1:46	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 1:46	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 1:46	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/26/23 1:46	CMR
Naphthalene	1.8	0.10	0.067	L-05, Z-01	9.4	0.52	0.35	2	7/26/23 1:46	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 1:46	CMR
Styrene	0.53	0.10	0.054		2.2	0.43	0.23	2	7/26/23 1:46	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 1:46	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: SV-DUP-1
Sample ID: 23G2057-04
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1322
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12	0.10	0.037		84	0.68	0.25	2	7/26/23 1:46	CMR
Tetrahydrofuran	0.30	1.0	0.21	J	0.88	2.9	0.61	2	7/26/23 1:46	CMR
Toluene	21	0.10	0.036		80	0.38	0.14	2	7/26/23 1:46	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 1:46	CMR
1,1,1-Trichloroethane	0.93	0.10	0.031		5.1	0.55	0.17	2	7/26/23 1:46	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 1:46	CMR
Trichloroethylene	ND	0.10	0.041		ND	0.54	0.22	2	7/26/23 1:46	CMR
Trichlorofluoromethane (Freon 11)	0.37	0.40	0.041	L-05, J	2.1	2.2	0.23	2	7/26/23 1:46	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.092	0.40	0.022	J	0.71	3.1	0.17	2	7/26/23 1:46	CMR
1,2,4-Trimethylbenzene	5.9	0.10	0.046		29	0.49	0.23	2	7/26/23 1:46	CMR
1,3,5-Trimethylbenzene	1.5	0.10	0.052		7.3	0.49	0.25	2	7/26/23 1:46	CMR
Vinyl Acetate	1.3	2.0	0.36	J	4.7	7.0	1.3	2	7/26/23 1:46	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 1:46	CMR
m&p-Xylene	9.3	0.20	0.070		40	0.87	0.30	2	7/26/23 1:46	CMR
o-Xylene	4.1	0.10	0.037		18	0.43	0.16	2	7/26/23 1:46	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.7	70-130	7/26/23 1:46

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23G2057-01 [5AVE-SV-1-13072023]	B347545	1.5	1	N/A	1000	200	150	07/25/23
23G2057-02 [5AVE-SV-2-13072023]	B347545	1.5	1	N/A	1000	200	150	07/25/23
23G2057-03 [ABI-SV-1-13072023]	B347545	1.5	1	N/A	1000	200	150	07/25/23
23G2057-04 [SV-DUP-1]	B347545	1.5	1	N/A	1000	200	150	07/25/23

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B347545 - TO-15 Prep											
Blank (B347545-BLK1)					Prepared & Analyzed: 07/25/23						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.080									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	0.0080	0.020									J
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.080									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									Z-01
Propene	ND	0.80									
Styrene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B347545 - TO-15 Prep												
Blank (B347545-BLK1)					Prepared & Analyzed: 07/25/23							
1,1,2,2-Tetrachloroethane	ND	0.020										
Tetrachloroethylene	ND	0.020										
Tetrahydrofuran	ND	0.20										
Toluene	ND	0.020										
1,2,4-Trichlorobenzene	ND	0.020										
1,1,1-Trichloroethane	ND	0.020										
1,1,2-Trichloroethane	ND	0.020										
Trichloroethylene	ND	0.020										
Trichlorofluoromethane (Freon 11)	ND	0.080										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080										
1,2,4-Trimethylbenzene	ND	0.020										
1,3,5-Trimethylbenzene	ND	0.020										
Vinyl Acetate	ND	0.40										
Vinyl Chloride	ND	0.020										
m&p-Xylene	ND	0.040										
o-Xylene	ND	0.020										
Surrogate: 4-Bromofluorobenzene (1)	*7.71*				*8.00*		*96.3*		*70-130*			
LCS (B347545-BS1)					Prepared & Analyzed: 07/25/23							
Acetone	4.76				5.00		95.3		70-130			
Benzene	4.51				5.00		90.2		70-130			
Benzyl chloride	3.73				5.00		74.6		70-130			
Bromodichloromethane	4.65				5.00		93.1		70-130			
Bromoform	5.29				5.00		106		70-130			
Bromomethane	6.07				5.00		121		70-130			
1,3-Butadiene	5.40				5.00		108		70-130			
2-Butanone (MEK)	5.04				5.00		101		70-130			
Carbon Disulfide	5.42				5.00		108		70-130			
Carbon Tetrachloride	5.44				5.00		109		70-130			
Chlorobenzene	4.75				5.00		95.0		70-130			
Chloroethane	5.34				5.00		107		70-130			
Chloroform	6.28				5.00		126		70-130			
Chloromethane	4.77				5.00		95.4		70-130			
Cyclohexane	4.70				5.00		93.9		70-130			
Dibromochloromethane	5.63				5.00		113		70-130			
1,2-Dibromoethane (EDB)	5.19				5.00		104		70-130			
1,2-Dichlorobenzene	4.88				5.00		97.7		70-130			
1,3-Dichlorobenzene	4.97				5.00		99.5		70-130			
1,4-Dichlorobenzene	5.03				5.00		101		70-130			
Dichlorodifluoromethane (Freon 12)	7.09				5.00		**142**	*	70-130			L-05, V-06
1,1-Dichloroethane	5.82				5.00		116		70-130			
1,2-Dichloroethane	5.67				5.00		113		70-130			
1,1-Dichloroethylene	5.34				5.00		107		70-130			
cis-1,2-Dichloroethylene	5.68				5.00		114		70-130			
trans-1,2-Dichloroethylene	5.77				5.00		115		70-130			
1,2-Dichloropropane	4.18				5.00		83.6		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B347545 - TO-15 Prep												
LCS (B347545-BS1)					Prepared & Analyzed: 07/25/23							
cis-1,3-Dichloropropene	4.62				5.00		92.4		70-130			
trans-1,3-Dichloropropene	4.89				5.00		97.8		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.89				5.00		118		70-130			
1,4-Dioxane	4.63				5.00		92.7		70-130			
Ethanol	7.07				5.00		**141**	*	70-130			L-05
Ethyl Acetate	5.29				5.00		106		70-130			
Ethylbenzene	4.59				5.00		91.8		70-130			
4-Ethyltoluene	4.64				5.00		92.9		70-130			
Heptane	4.24				5.00		84.8		70-130			
Hexachlorobutadiene	5.64				4.25		**133**	*	70-130			L-01
Hexane	4.91				5.00		98.3		70-130			
2-Hexanone (MBK)	3.69				5.00		73.8		70-130			
Isopropanol	5.11				5.00		102		70-130			
Methyl tert-Butyl Ether (MTBE)	6.04				5.00		121		70-130			
Methylene Chloride	4.35				5.00		87.0		70-130			
4-Methyl-2-pentanone (MIBK)	4.37				5.00		87.4		70-130			
Naphthalene	4.90				3.68		**133**	*	70-130			L-05, Z-01
Propene	6.63				5.00		**133**	*	70-130			L-05
Styrene	5.13				5.00		103		70-130			
1,1,2,2-Tetrachloroethane	4.20				5.00		83.9		70-130			
Tetrachloroethylene	4.84				5.00		96.8		70-130			
Tetrahydrofuran	4.93				5.00		98.6		70-130			
Toluene	4.81				5.00		96.2		70-130			
1,2,4-Trichlorobenzene	4.85				3.90		124		70-130			
1,1,1-Trichloroethane	5.08				5.00		102		70-130			
1,1,2-Trichloroethane	4.99				5.00		99.7		70-130			
Trichloroethylene	5.00				5.00		100		70-130			
Trichlorofluoromethane (Freon 11)	6.58				5.00		**132**	*	70-130			L-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.16				5.00		123		70-130			
1,2,4-Trimethylbenzene	5.10				5.00		102		70-130			
1,3,5-Trimethylbenzene	5.46				5.00		109		70-130			
Vinyl Acetate	4.14				5.00		82.9		70-130			
Vinyl Chloride	5.48				5.00		110		70-130			
m&p-Xylene	10.2				10.0		102		70-130			
o-Xylene	5.10				5.00		102		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.05*				*8.00*		*101*		*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
Z-01	Calibrations RSD for this compound is >30% but <40%.

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ANALYST

TPH	Thomas P. Hnitecki
STATION	Report Queue Station
KKS	Kyle K. Stuckey
KMC	Kristen M Couture
CMR	Catherine M. Rouleau

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S085380-ICV1)			Lab File ID: J23A090036.D			Analyzed: 04/01/23 05:53			
Bromochloromethane (1)	298104	2.788	298104	2.788	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	850179	3.418	850179	3.418	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	747035	5.036	747035	5.036	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S091262-CCV1)			Lab File ID: J23A206006.D			Analyzed: 07/25/23 10:56			
Bromochloromethane (1)	197908	2.779	197908	2.779	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	730731	3.415	730731	3.415	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	644637	5.036	644637	5.036	100	60 - 140	0.0000	+/-0.50	
LCS (B347545-BS1)			Lab File ID: J23A206028.D			Analyzed: 07/25/23 21:29			
Bromochloromethane (1)	200316	2.782	197908	2.779	101	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	735841	3.415	730731	3.415	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	641845	5.036	644637	5.036	100	60 - 140	0.0000	+/-0.50	
Blank (B347545-BLK1)			Lab File ID: J23A206031.D			Analyzed: 07/25/23 22:57			
Bromochloromethane (1)	191097	2.766	197908	2.779	97	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	625358	3.402	730731	3.415	86	60 - 140	-0.0130	+/-0.50	
Chlorobenzene-d5 (1)	570672	5.032	644637	5.036	89	60 - 140	-0.0040	+/-0.50	
5AVE-SV-1-13072023 (23G2057-01)			Lab File ID: J23A206034.D			Analyzed: 07/26/23 00:28			
Bromochloromethane (1)	146073	2.788	197908	2.779	74	60 - 140	0.0090	+/-0.50	
1,4-Difluorobenzene (1)	553424	3.419	730731	3.415	76	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	544280	5.036	644637	5.036	84	60 - 140	0.0000	+/-0.50	
5AVE-SV-2-13072023 (23G2057-02)			Lab File ID: J23A206035.D			Analyzed: 07/26/23 00:54			
Bromochloromethane (1)	190107	2.795	197908	2.779	96	60 - 140	0.0160	+/-0.50	
1,4-Difluorobenzene (1)	643373	3.425	730731	3.415	88	60 - 140	0.0100	+/-0.50	
Chlorobenzene-d5 (1)	622447	5.036	644637	5.036	97	60 - 140	0.0000	+/-0.50	
ABI-SV-1-13072023 (23G2057-03)			Lab File ID: J23A206036.D			Analyzed: 07/26/23 01:20			
Bromochloromethane (1)	203004	2.782	197908	2.779	103	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	691581	3.415	730731	3.415	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	665510	5.036	644637	5.036	103	60 - 140	0.0000	+/-0.50	
SV-DUP-1 (23G2057-04)			Lab File ID: J23A206037.D			Analyzed: 07/26/23 01:46			
Bromochloromethane (1)	203527	2.782	197908	2.779	103	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	703901	3.418	730731	3.415	96	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	679595	5.036	644637	5.036	105	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S091262-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.53	1.034114	0.9362815		-9.5	30	
Benzene	A	5.00	4.49	0.8123645	0.7298292		-10.2	30	
Benzyl chloride	L	5.00	4.63	0.5056852	0.7031058		-7.5	30	
Bromodichloromethane	A	5.00	4.62	0.6094342	0.5633307		-7.6	30	
Bromoform	A	5.00	5.45	0.4573839	0.4983741		9.0	30	
Bromomethane	A	5.00	5.95	0.6761959	0.8047295		19.0	30	
1,3-Butadiene	A	5.00	5.19	0.5092257	0.528488		3.8	30	
2-Butanone (MEK)	A	5.00	4.87	1.148647	1.119583		-2.5	30	
Carbon Disulfide	A	5.00	5.33	2.001154	2.134083		6.6	30	
Carbon Tetrachloride	A	5.00	5.43	0.5037067	0.5472657		8.6	30	
Chlorobenzene	A	5.00	4.91	0.7622773	0.7480899		-1.9	30	
Chloroethane	A	5.00	5.26	0.4202137	0.441684		5.1	30	
Chloroform	A	5.00	6.24	1.577837	1.968106		24.7	30	
Chloromethane	A	5.00	4.05	0.5966374	0.483457		-19.0	30	
Cyclohexane	A	5.00	4.70	0.3246406	0.3052023		-6.0	30	
Dibromochloromethane	A	5.00	5.63	0.5189836	0.5846813		12.7	30	
1,2-Dibromoethane (EDB)	A	5.00	5.25	0.4960864	0.5206825		5.0	30	
1,2-Dichlorobenzene	A	5.00	5.41	0.4911951	0.5311094		8.1	30	
1,3-Dichlorobenzene	A	5.00	5.67	0.5456808	0.6184392		13.3	30	
1,4-Dichlorobenzene	A	5.00	5.67	0.5309926	0.6017625		13.3	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	6.98	1.809285	2.525642		39.6	30	*
1,1-Dichloroethane	A	5.00	5.71	1.317427	1.504376		14.2	30	
1,2-Dichloroethane	A	5.00	5.64	0.9730911	1.097261		12.8	30	
1,1-Dichloroethylene	A	5.00	5.29	1.146845	1.213081		5.8	30	
cis-1,2-Dichloroethylene	A	5.00	5.70	0.9524103	1.084908		13.9	30	
trans-1,2-Dichloroethylene	A	5.00	5.75	1.02979	1.183467		14.9	30	
1,2-Dichloropropane	A	5.00	4.16	0.3033695	0.2522406		-16.9	30	
cis-1,3-Dichloropropene	A	5.00	4.84	0.4042769	0.3910342		-3.3	30	
trans-1,3-Dichloropropene	A	5.00	5.23	0.3279415	0.343172		4.6	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.77	1.964888	2.26688		15.4	30	
1,4-Dioxane	A	5.00	4.39	0.1624784	0.1428006		-12.1	30	
Ethanol	A	5.00	5.37	0.1724202	0.1851931		7.4	30	
Ethyl Acetate	A	5.00	5.29	0.2040016	0.2158498		5.8	30	
Ethylbenzene	A	5.00	4.73	1.293794	1.224071		-5.4	30	
4-Ethyltoluene	A	5.00	5.12	1.173601	1.201003		2.3	30	
Heptane	A	5.00	4.29	0.2390228	0.2052717		-14.1	30	
Hexachlorobutadiene	A	5.00	6.28	0.2261563	0.2842729		25.7	30	
Hexane	L	5.00	4.88	0.6738496	0.6604928		-2.4	30	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S091262-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	3.77	0.4320676	0.3259906		-24.6	30
Isopropanol	A	5.00	4.59	1.163166	1.067373		-8.2	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	6.00	1.752887	2.103159		20.0	30
Methylene Chloride	A	5.00	4.22	0.8161184	0.6896053		-15.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.40	0.1991676	0.1754692		-11.9	30
Naphthalene	A	5.00	5.66	0.4140914	0.4685924		13.2	30
Propene	A	5.00	6.44	0.3783566	0.4872486		28.8	30
Styrene	A	5.00	5.42	0.6193387	0.6708296		8.3	30
1,1,2,2-Tetrachloroethane	A	5.00	4.53	0.7875453	0.7138628		-9.4	30
Tetrachloroethylene	A	5.00	4.89	0.4061033	0.3972841		-2.2	30
Tetrahydrofuran	A	5.00	4.93	0.5602263	0.5522485		-1.4	30
Toluene	A	5.00	4.85	0.9952737	0.9662592		-2.9	30
1,2,4-Trichlorobenzene	A	5.00	5.74	0.1951236	0.2239723		14.8	30
1,1,1-Trichloroethane	A	5.00	5.00	0.5148362	0.5148138		-0.004	30
1,1,2-Trichloroethane	A	5.00	4.94	0.3494055	0.3453925		-1.1	30
Trichloroethylene	A	5.00	4.86	0.3469588	0.3370083		-2.9	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.42	1.832227	2.353465		28.4	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.94	1.363757	1.620381		18.8	30
1,2,4-Trimethylbenzene	A	5.00	5.62	0.9035781	1.016004		12.4	30
1,3,5-Trimethylbenzene	A	5.00	5.74	0.9651619	1.108739		14.9	30
Vinyl Acetate	A	5.00	4.52	1.160867	1.050282		-9.5	30
Vinyl Chloride	A	5.00	5.26	0.7330867	0.771704		5.3	30
m&p-Xylene	A	10.0	10.5	1.010218	1.065494		5.5	30
o-Xylene	A	5.00	5.19	0.9862305	1.02338		3.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	EA Engineering
Address:	2609 W. Jefferson St, Syracuse NY 13202
Phone:	315 390 1376
Project Name:	South Shore Outdoor
Project Location:	Bayshore, NY
Project Number:	160533 (EA) 152228 (NYSDEC)
Project Manager:	Kritika Thapa
Pace Quote Name/Number:	Callout 147379
Invoice Recipient:	
Sampled By:	Mariah Gilfrey

Requested Turnaround Time:
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☒ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15				" Hg			Summa Can ID	Flow Controller ID
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure		
01	SAVE-SV-1-130723	7/13/23 1350	7/13/23 1540	110	0.05	SG	5.5	X				-30	-6	-5.8	1478	4359
02	SAVE-SV-2-130723	7/13/23 1229	7/13/23 1924	115		SG	5.75	X				-30	-6	-7.2	16025	4439
03	ABI-SV-1-130723	7/13/23 1055	7/13/23 1243	108		SG	5.4	X				-30	-6	-5.9	1471	4336
	~~SV-DUP-1~~	~~7/13/23 1055~~	~~7/13/23 1243~~			~~SG~~		X				-30	-6		1322	4336
04	SV-DUP-1	07/13/23 1055	07/13/23 1243	108		SG	5.4	X				-30	-6	-5.9	1322	4336

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
NYSDEC Equis EDD required

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1400 07/14/2023	
Received by: (signature)	Date/Time: 7/17/23 1213	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA:
CT:
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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7/17/2023 3:59 AM

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Log In Back-Sheet

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

Pace® PEOPLE ADVANCING SCIENCE

Client EA Engineering
Project South Shore outdoor
MCP/RCP Required
Deliverable Package Requirement CAT B
Location Bayshore, NY
PWSID# (When Applicable)
Arrival Method FedEX 7725 9801 1101
Received By / Date / Time KMC 7/17/23 1213
Back-Sheet By / Date / Time KMC 7/17/23 1430
Temperature Method #
Temp < 6° C ☐ Actual Temperature
Rush Samples: Yes / (No) Notify
Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

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

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	3	2hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s		8		16		24	
1	1478	9		17		25	
2	1625	10		18		26	
3	1471	11		19		27	
4	1322	12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23		31	

Regs #'s		8		16		24	
1	4359	9		17		25	
2	4439	10		18		26	
3	4336	11		19		27	
4	4336	12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23		31	

Unused Media		8		16		24	
1		9		17		25	
2		10		18		26	
3		11		19		27	
4		12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23		31	

Pufs/TO-17's		8		16		24	
1		9		17		25	
2		10		18		26	
3		11		19		27	
4		12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23			

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/27/2023 **Batch #:** 23CC0491

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1478, BC1625, BC1322, BC1471

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 7/31/23

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August 3, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bay Shore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2098

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2098

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-2-45	23G2098-01	Ground Water		SW-846 8270E	
5AVE-DPT-2-35	23G2098-02	Ground Water		SW-846 8270E	
5AVE-DPT-3-50	23G2098-03	Ground Water		SW-846 8270E	
5AVE-DPT-3-40	23G2098-04	Ground Water		SW-846 8270E	
DPT-EQB-2-11072023	23G2098-05	Ground Water		SW-846 8270E	
DPT-EQB-3-13072023	23G2098-06	Ground Water		SW-846 8270E	
5AVE-DPT-1-40	23G2098-07	Ground Water		SW-846 8270E	
DPT-DUP-2	23G2098-08	Ground Water		SW-846 8270E	
5AVE-DPT-1-50	23G2098-09	Ground Water		SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

Qualifications:

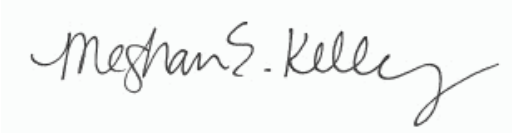
H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2098-07RE1[5AVE-DPT-1-40], 23G2098-09RE1[5AVE-DPT-1-50]

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



Meghan E. Kelley
Reporting Specialist

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2098-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 17:51	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.6	15-110		7/25/23 17:51	

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2098-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:11	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.5	15-110		7/25/23 18:11	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2098-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.13	0.20	0.033	µg/L	1	J	SW-846 8270E	7/18/23	7/25/23 18:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110		7/25/23 18:30	

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2098-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	32.2	15-110			7/25/23 18:50

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2098-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 19:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		7/25/23 19:10

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2098-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.22	0.036	µg/L	1		SW-846 8270E	7/20/23	7/25/23 19:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.0	15-110		7/25/23 19:29

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2098-07

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.0	15-110			8/2/23 18:15

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2098-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 20:08	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			7/25/23 20:08

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2098-09

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.0	15-110			8/2/23 18:34

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

Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-01 [5AVE-DPT-2-45]	B346225	1020	1.00	07/18/23
23G2098-02 [5AVE-DPT-2-35]	B346225	1010	1.00	07/18/23
23G2098-03 [5AVE-DPT-3-50]	B346225	1000	1.00	07/18/23
23G2098-04 [5AVE-DPT-3-40]	B346225	1000	1.00	07/18/23
23G2098-05 [DPT-EQB-2-11072023]	B346225	960	1.00	07/18/23
23G2098-08 [DPT-DUP-2]	B346225	960	1.00	07/18/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-06 [DPT-EQB-3-13072023]	B346502	900	1.00	07/20/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-07RE1 [5AVE-DPT-1-40]	B347697	990	1.00	08/01/23
23G2098-09RE1 [5AVE-DPT-1-50]	B347697	1000	1.00	08/01/23

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346225 - SW-846 3510C										
Blank (B346225-BLK1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.63*		µg/L	10.0		26.3	15-110			
LCS (B346225-BS1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140			
Surrogate: 1,4-Dioxane-d8	*3.31*		µg/L	10.0		33.1	15-110			
LCS Dup (B346225-BSD1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140	0.676	30	
Surrogate: 1,4-Dioxane-d8	*3.26*		µg/L	10.0		32.6	15-110			
Batch B346502 - SW-846 3510C										
Blank (B346502-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.60*		µg/L	10.0		26.0	15-110			
LCS (B346502-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	9.17	0.20	µg/L	10.0		91.7	40-140			
Surrogate: 1,4-Dioxane-d8	*3.53*		µg/L	10.0		35.3	15-110			
LCS Dup (B346502-BSD1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	10.1	0.20	µg/L	10.0		101	40-140	9.49	30	
Surrogate: 1,4-Dioxane-d8	*2.92*		µg/L	10.0		29.2	15-110			
Batch B347697 - SW-846 3510C										
Blank (B347697-BLK1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*5.95*		µg/L	10.0		59.5	15-110			
LCS (B347697-BS1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	11.7	0.20	µg/L	10.0		117	40-140			
Surrogate: 1,4-Dioxane-d8	*3.40*		µg/L	10.0		34.0	15-110			
LCS Dup (B347697-BSD1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	10.9	0.20	µg/L	10.0		109	40-140	6.51	30	
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
Matrix Spike (B347697-MS1)	**Source: 23G2098-07RE1**			Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140			
Surrogate: 1,4-Dioxane-d8	*3.37*		µg/L	10.3		32.7	15-110			

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

QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347697 - SW-846 3510C										
Matrix Spike Dup (B347697-MSD1)		**Source: 23G2098-07RE1**		Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140	0.294	20	
Surrogate: 1,4-Dioxane-d8	*3.51*		µg/L	10.3		34.0	15-110			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024

Pace Analytical™

Phone: 612-607-6400
Fax: 612-607-6344

L320048

https://www.pacelabs.com/ KS

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1396 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Kelley / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260D-VOCs	# of Containers	Preservation Code	Container Code	Field Filtered
1	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X				
2	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X				
3	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X				
4	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X				
5	DPT-GQB-2-110720223	7/11/23	1750		X	GW	U	X				
6	DPT-GQB-3-130720223	7/13/23	1705		X	GW	U	X				
7	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X				
8	DPT-DUP-2	7/13/23			X	GW	U	X				
9	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X				

ANALYSIS REQUESTED

Client has indicated that the incorrect analysis was requested for these samples. These samples should be analyzed by 1,4-Dioxane per Page 2. KKS 7/18/23

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(One of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
... = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Monica Kelley	7/14/2023 1300
Received by: (signature) 3.0°C	Date/Time: 7-15-23 1110
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Package Options (circle if required)
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☒ NY TOGS
☐ NY CP-51

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	22												# of Containers	[2] Preservation Code	[3] Container Code	Field Filtered / Lab to Filter
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X																
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X																
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X																
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X																
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X																
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X																
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X																
	DPT-DUP-2	7/13/23			X	GW	U	X																
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X																

Field Filtered ☐ Lab to Filter ☐
Field Filtered ☐ Lab to Filter ☐

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ (Mo) SAVE-DPT-40 for MS/MSD (one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverables
AWQ STDS ☐ NY TOGS ☒
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☐
NY Part 375 ☐

Reporting Info
Enhanced Data Package ☐
NYSDEC EQuIS EDD ☒
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

Table of Contents

[redacted]

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Saturday

7/15/2023 at 11:10 am

Signed for by: N.MULLIONAIRE

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DELIVERY STATUS

Delivered

Shipment is 1 of 2 pieces

TRACKING ID

781149303530

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7/14/2023 11:25 AM

WE HAVE YOUR PACKAGE
NORTH SYRACUSE, NY
7/14/2023 5:56 PM

IN TRANSIT
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7/15/2023 8:14 AM

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7/15/2023 8:37 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
7/15/2023 at 11:10 AM

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YOUR EMAIL **SUBMIT**

MORE OPTIONS ASK FEDEX

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NY Tobs NY Cat B (MCP)

Deliverable Package Requirement NYSDEC EQuIS EDD

Location Bay Shore, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/15/23 1110 STM 1110

Back-Sheet By / Date / Time STM 7/17/23 1630

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 3.0, 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE 7/15/23 TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

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August 3, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bay Shore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2098

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2098

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-2-45	23G2098-01	Ground Water		SW-846 8270E	
5AVE-DPT-2-35	23G2098-02	Ground Water		SW-846 8270E	
5AVE-DPT-3-50	23G2098-03	Ground Water		SW-846 8270E	
5AVE-DPT-3-40	23G2098-04	Ground Water		SW-846 8270E	
DPT-EQB-2-11072023	23G2098-05	Ground Water		SW-846 8270E	
DPT-EQB-3-13072023	23G2098-06	Ground Water		SW-846 8270E	
5AVE-DPT-1-40	23G2098-07	Ground Water		SW-846 8270E	
DPT-DUP-2	23G2098-08	Ground Water		SW-846 8270E	
5AVE-DPT-1-50	23G2098-09	Ground Water		SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

Qualifications:

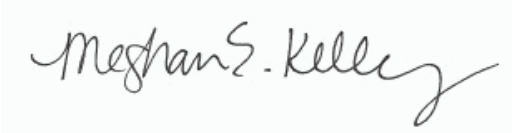
H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2098-07RE1[5AVE-DPT-1-40], 23G2098-09RE1[5AVE-DPT-1-50]

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



Meghan E. Kelley
Reporting Specialist

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2098-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 17:51	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	28.6	15-110		7/25/23 17:51

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2098-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:11	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	25.5	15-110		7/25/23 18:11

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2098-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.13	0.20	0.033	µg/L	1	J	SW-846 8270E	7/18/23	7/25/23 18:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	31.3	15-110		7/25/23 18:30

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2098-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	32.2	15-110		7/25/23 18:50	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2098-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 19:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		7/25/23 19:10

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2098-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.22	0.036	µg/L	1		SW-846 8270E	7/20/23	7/25/23 19:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.0	15-110		7/25/23 19:29

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2098-07

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.0	15-110		8/2/23 18:15	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2098-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 20:08	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			7/25/23 20:08

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2098-09

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.0	15-110			8/2/23 18:34

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Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-01 [5AVE-DPT-2-45]	B346225	1020	1.00	07/18/23
23G2098-02 [5AVE-DPT-2-35]	B346225	1010	1.00	07/18/23
23G2098-03 [5AVE-DPT-3-50]	B346225	1000	1.00	07/18/23
23G2098-04 [5AVE-DPT-3-40]	B346225	1000	1.00	07/18/23
23G2098-05 [DPT-EQB-2-11072023]	B346225	960	1.00	07/18/23
23G2098-08 [DPT-DUP-2]	B346225	960	1.00	07/18/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-06 [DPT-EQB-3-13072023]	B346502	900	1.00	07/20/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-07RE1 [5AVE-DPT-1-40]	B347697	990	1.00	08/01/23
23G2098-09RE1 [5AVE-DPT-1-50]	B347697	1000	1.00	08/01/23

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346225 - SW-846 3510C										
Blank (B346225-BLK1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.63*		µg/L	10.0		26.3	15-110			
LCS (B346225-BS1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140			
Surrogate: 1,4-Dioxane-d8	*3.31*		µg/L	10.0		33.1	15-110			
LCS Dup (B346225-BSD1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140	0.676	30	
Surrogate: 1,4-Dioxane-d8	*3.26*		µg/L	10.0		32.6	15-110			
Batch B346502 - SW-846 3510C										
Blank (B346502-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.60*		µg/L	10.0		26.0	15-110			
LCS (B346502-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	9.17	0.20	µg/L	10.0		91.7	40-140			
Surrogate: 1,4-Dioxane-d8	*3.53*		µg/L	10.0		35.3	15-110			
LCS Dup (B346502-BSD1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	10.1	0.20	µg/L	10.0		101	40-140	9.49	30	
Surrogate: 1,4-Dioxane-d8	*2.92*		µg/L	10.0		29.2	15-110			
Batch B347697 - SW-846 3510C										
Blank (B347697-BLK1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*5.95*		µg/L	10.0		59.5	15-110			
LCS (B347697-BS1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	11.7	0.20	µg/L	10.0		117	40-140			
Surrogate: 1,4-Dioxane-d8	*3.40*		µg/L	10.0		34.0	15-110			
LCS Dup (B347697-BSD1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	10.9	0.20	µg/L	10.0		109	40-140	6.51	30	
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
Matrix Spike (B347697-MS1)	**Source: 23G2098-07RE1**			Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140			
Surrogate: 1,4-Dioxane-d8	*3.37*		µg/L	10.3		32.7	15-110			

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347697 - SW-846 3510C										
Matrix Spike Dup (B347697-MSD1)		**Source: 23G2098-07RE1**		Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140	0.294	20	
Surrogate: 1,4-Dioxane-d8	*3.51*		µg/L	10.3		34.0	15-110			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024

Pace Analytical™

Phone: 612-607-6400
Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1396 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Kelley / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260D-VOCs	# of Containers	Preservation Code	Container Code	Field Filtered
1	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X				
2	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X				
3	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X				
4	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X				
5	DPT-GQB-2-110720223	7/11/23	1750		X	GW	U	X				
6	DPT-GQB-3-130720223	7/13/23	1705		X	GW	U	X				
7	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X				
8	DPT-DUP-2	7/13/23			X	GW	U	X				
9	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X				

ANALYSIS REQUESTED

Client has indicated that the incorrect analysis was requested for these samples. These samples should be analyzed by 1,4-Dioxane per Page 2. KKS 7/18/23

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(One of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
... = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Monica Kelley	7/14/2023 1300
Received by: (signature) 3.0°C	Date/Time: 7-15-23 1110
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Package Options (circle if required)
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☒ NY TOGS
☐ NY CP-51

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical®

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Fax: 612-607-6344

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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	22												# of Containers	[2] Preservation Code	[3] Container Code	Field Filtered / Lab to Filter
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X																
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X																
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X																
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X																
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X																
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X																
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X																
	DPT-DUP-2	7/13/23			X	GW	U	X																
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X																

Field Filtered ☐ Lab to Filter ☐
Field Filtered ☐ Lab to Filter ☐

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ (Mo) SAVE-DPT-40 for MS/MSD (one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverables
AWQ STDS ☐ NY TOGS ☒
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☐
NY Part 375 ☐

Reporting Info
Enhanced Data Package ☐
NYSDEC EQuIS EDD ☒
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

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[redacted]

FedEx® Tracking

DELIVERED

Saturday

7/15/2023 at 11:10 am

Signed for by: N.MULLIONAIRE

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Shipment is 1 of 2 pieces

TRACKING ID

781149303530

FROM
SYRACUSE, NY US

Label Created
7/14/2023 11:25 AM

WE HAVE YOUR PACKAGE
NORTH SYRACUSE, NY
7/14/2023 5:56 PM

IN TRANSIT
WINDSOR LOCKS, CT
7/15/2023 8:14 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
7/15/2023 8:37 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
7/15/2023 at 11:10 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL **SUBMIT**

MORE OPTIONS ASK FEDEX

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NY Tobs NY Cat B (MCP)

Deliverable Package Requirement NYSDEC EQuIS EDD

Location Bay Shore, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/15/23 1110 STM 1110

Back-Sheet By / Date / Time STM 7/17/23 1630

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 3.0, 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE 7/15/23 TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

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August 3, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bay Shore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2098

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2098

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-2-45	23G2098-01	Ground Water		SW-846 8270E	
5AVE-DPT-2-35	23G2098-02	Ground Water		SW-846 8270E	
5AVE-DPT-3-50	23G2098-03	Ground Water		SW-846 8270E	
5AVE-DPT-3-40	23G2098-04	Ground Water		SW-846 8270E	
DPT-EQB-2-11072023	23G2098-05	Ground Water		SW-846 8270E	
DPT-EQB-3-13072023	23G2098-06	Ground Water		SW-846 8270E	
5AVE-DPT-1-40	23G2098-07	Ground Water		SW-846 8270E	
DPT-DUP-2	23G2098-08	Ground Water		SW-846 8270E	
5AVE-DPT-1-50	23G2098-09	Ground Water		SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

Qualifications:

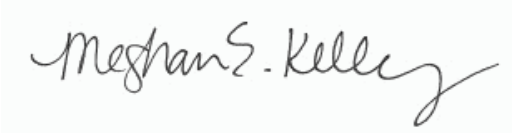
H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2098-07RE1[5AVE-DPT-1-40], 23G2098-09RE1[5AVE-DPT-1-50]

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



Meghan E. Kelley
Reporting Specialist

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2098-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 17:51	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	28.6	15-110		7/25/23 17:51

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2098-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:11	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	25.5	15-110		7/25/23 18:11

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2098-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.13	0.20	0.033	µg/L	1	J	SW-846 8270E	7/18/23	7/25/23 18:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	31.3	15-110		7/25/23 18:30

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2098-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	32.2	15-110		7/25/23 18:50	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2098-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 19:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		7/25/23 19:10

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2098-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.22	0.036	µg/L	1		SW-846 8270E	7/20/23	7/25/23 19:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.0	15-110		7/25/23 19:29

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2098-07

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.0	15-110		8/2/23 18:15	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2098-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 20:08	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			7/25/23 20:08

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2098-09

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.0	15-110			8/2/23 18:34

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Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-01 [5AVE-DPT-2-45]	B346225	1020	1.00	07/18/23
23G2098-02 [5AVE-DPT-2-35]	B346225	1010	1.00	07/18/23
23G2098-03 [5AVE-DPT-3-50]	B346225	1000	1.00	07/18/23
23G2098-04 [5AVE-DPT-3-40]	B346225	1000	1.00	07/18/23
23G2098-05 [DPT-EQB-2-11072023]	B346225	960	1.00	07/18/23
23G2098-08 [DPT-DUP-2]	B346225	960	1.00	07/18/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-06 [DPT-EQB-3-13072023]	B346502	900	1.00	07/20/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-07RE1 [5AVE-DPT-1-40]	B347697	990	1.00	08/01/23
23G2098-09RE1 [5AVE-DPT-1-50]	B347697	1000	1.00	08/01/23

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346225 - SW-846 3510C										
Blank (B346225-BLK1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.63*		µg/L	10.0		26.3	15-110			
LCS (B346225-BS1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140			
Surrogate: 1,4-Dioxane-d8	*3.31*		µg/L	10.0		33.1	15-110			
LCS Dup (B346225-BSD1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140	0.676	30	
Surrogate: 1,4-Dioxane-d8	*3.26*		µg/L	10.0		32.6	15-110			
Batch B346502 - SW-846 3510C										
Blank (B346502-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.60*		µg/L	10.0		26.0	15-110			
LCS (B346502-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	9.17	0.20	µg/L	10.0		91.7	40-140			
Surrogate: 1,4-Dioxane-d8	*3.53*		µg/L	10.0		35.3	15-110			
LCS Dup (B346502-BSD1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	10.1	0.20	µg/L	10.0		101	40-140	9.49	30	
Surrogate: 1,4-Dioxane-d8	*2.92*		µg/L	10.0		29.2	15-110			
Batch B347697 - SW-846 3510C										
Blank (B347697-BLK1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*5.95*		µg/L	10.0		59.5	15-110			
LCS (B347697-BS1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	11.7	0.20	µg/L	10.0		117	40-140			
Surrogate: 1,4-Dioxane-d8	*3.40*		µg/L	10.0		34.0	15-110			
LCS Dup (B347697-BSD1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	10.9	0.20	µg/L	10.0		109	40-140	6.51	30	
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
Matrix Spike (B347697-MS1)	**Source: 23G2098-07RE1**			Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140			
Surrogate: 1,4-Dioxane-d8	*3.37*		µg/L	10.3		32.7	15-110			

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347697 - SW-846 3510C										
Matrix Spike Dup (B347697-MSD1)		**Source: 23G2098-07RE1**		Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140	0.294	20	
Surrogate: 1,4-Dioxane-d8	*3.51*		µg/L	10.3		34.0	15-110			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024

Pace Analytical™

Phone: 612-607-6400
Fax: 612-607-6344

L320048

https://www.pacelabs.com/ KS

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1396 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Kelley / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260D-VOCs	# of Containers	Preservation Code	Container Code	Field Filtered
1	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X				
2	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X				
3	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X				
4	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X				
5	DPT-GQB-2-110720223	7/11/23	1750		X	GW	U	X				
6	DPT-GQB-3-130720223	7/13/23	1705		X	GW	U	X				
7	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X				
8	DPT-DUP-2	7/13/23			X	GW	U	X				
9	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X				

ANALYSIS REQUESTED

Client has indicated that the incorrect analysis was requested for these samples. These samples should be analyzed by 1,4-Dioxane per Page 2. KKS 7/18/23

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(One of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
... = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Monica Kelley	7/14/2023 1300
Received by: (signature) 3.0°C	Date/Time: 7-15-23 1110
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Package Options (circle if required)
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☒ NY TOGS
☐ NY CP-51

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	22												# of Containers	[2] Preservation Code	[3] Container Code	Field Filtered / Lab to Filter
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X																
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X																
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X																
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X																
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X																
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X																
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X																
	DPT-DUP-2	7/13/23			X	GW	U	X																
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X																

Field Filtered ☐ Lab to Filter ☐
Field Filtered ☐ Lab to Filter ☐

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ (Mo) SAVE-DPT-40 for MS/MSD (one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverables
AWQ STDS ☐ NY TOGS ☒
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☐
NY Part 375 ☐

Reporting Info
Enhanced Data Package ☐
NYSDEC EQuIS EDD ☒
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

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[redacted]

FedEx® Tracking

DELIVERED

Saturday

7/15/2023 at 11:10 am

Signed for by: N.MULLIONAIRE

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Shipment is 1 of 2 pieces

TRACKING ID

781149303530

FROM
SYRACUSE, NY US

Label Created
7/14/2023 11:25 AM

WE HAVE YOUR PACKAGE
NORTH SYRACUSE, NY
7/14/2023 5:56 PM

IN TRANSIT
WINDSOR LOCKS, CT
7/15/2023 8:14 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
7/15/2023 8:37 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
7/15/2023 at 11:10 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL **SUBMIT**

MORE OPTIONS ASK FEDEX

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NY Tobs NY Cat B (MCP)

Deliverable Package Requirement NYSDEC EQuIS EDD

Location Bay Shore, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/15/23 1110 STM 1110

Back-Sheet By / Date / Time STM 7/17/23 1630

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 3.0, 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE 7/15/23 TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

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

July 30, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2118

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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

NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 7/30/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2118

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CLAR-DPT-1-35	23G2118-01	Ground Water		SW-846 8260D	
CLAR-DPT-1-45	23G2118-02	Ground Water		SW-846 8260D	
CLAR-DPT-1-55	23G2118-03	Ground Water		SW-846 8260D	
DPT-DUP-1	23G2118-04	Ground Water		SW-846 8260D	
DPT-FB-1-10072023	23G2118-05	Field Blank		SW-846 8260D	
DPT-EQB-1-10072023	23G2118-06	Equipment Blank Water		SW-846 8260D	
CLAR-DPT-2-35	23G2118-07	Ground Water		SW-846 8260D	
CLAR-DPT-2-45	23G2118-08	Ground Water		SW-846 8260D	
CLAR-DPT-2-55	23G2118-09	Ground Water		SW-846 8260D	
5AVE-DPT-3-40	23G2118-10	Ground Water		SW-846 8260D	
5AVE-DPT-3-50	23G2118-11	Ground Water		SW-846 8260D	
5AVE-DPT-2-35	23G2118-12	Ground Water		SW-846 8260D	
5AVE-DPT-2-45	23G2118-13	Ground Water		SW-846 8260D	
DPT-FB-2-11072023	23G2118-14	Field Blank		SW-846 8260D	
DPT-EQB-2-11072023	23G2118-15	Equipment Blank Water		SW-846 8260D	
ABI-DPT-1-35	23G2118-16	Ground Water		SW-846 8260D	
ABI-DPT-1-45	23G2118-17	Ground Water		SW-846 8260D	
DPT-FB-3-12072023	23G2118-18	Field Blank		SW-846 8260D	
ABI-DPT-2-35	23G2118-19	Ground Water		SW-846 8260D	
ABI-DPT-2-45	23G2118-20	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260D

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B346810-MS1, B346810-MSD1

1,2-Dibromo-3-chloropropane (DBCP)
B346810-MS1, B346810-MSD1

1,3,5-Trichlorobenzene
B346810-MS1, B346810-MSD1

2-Hexanone (MBK)
B346810-MS1, B346810-MSD1

4-Chlorotoluene
B346810-MS1, B346810-MSD1

Bromoform
B346810-MS1, B346810-MSD1

Methyl Acetate
B346810-MS1, B346810-MSD1

n-Butylbenzene
B346810-MS1, B346810-MSD1

n-Propylbenzene
B346810-MS1, B346810-MSD1

Styrene
B346810-MS1, B346810-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B346810-MS1, B346810-MSD1

Naphthalene
B346810-MS1, B346810-MSD1

tert-Butyl Alcohol (TBA)
B346810-MS1, B346810-MSD1

trans-1,4-Dichloro-2-butene
B346810-MS1, B346810-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
B346810-MSD1

1,4-Dichlorobenzene
B346810-MSD1

1,4-Dioxane
B346810-MS1

Methylene Chloride
B346810-MSD1

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

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

1,2,4-Trichlorobenzene
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

1,2-Dibromo-3-chloropropane (DBCP)
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

1,4-Dioxane
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

2,2-Dichloropropane
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

Carbon Tetrachloride
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

Naphthalene
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

tert-Butyl Alcohol (TBA)
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

trans-1,4-Dichloro-2-butene
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Vinyl Chloride
B346810-BS1, B346810-BSD1, S091188-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
S091188-CCV1

Hexachlorobutadiene
S091188-CCV1

Methyl Cyclohexane
S091188-CCV1

Z-01

Original run within hold with failing MS/MSD. Sample rerun past hold with MS/MSD.

Analyte & Samples(s) Qualified:

23G2118-01[CLAR-DPT-1-35]

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



Tod E. Kopyscinski
Laboratory Director

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.2	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Acetone	3.3	50	2.0	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Benzene	0.85	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Benzene	0.95	1.0	0.18	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methylene Chloride	3.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Tetrachloroethylene	0.38	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Tetrachloroethylene	0.43	1.0	0.17	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/22/23 15:32
1,2-Dichloroethane-d4	98.0	70-130		7/25/23 13:30
Toluene-d8	97.4	70-130		7/22/23 15:32
Toluene-d8	99.7	70-130		7/25/23 13:30
4-Bromofluorobenzene	81.9	70-130		7/22/23 15:32
4-Bromofluorobenzene	80.1	70-130		7/25/23 13:30

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-45 | Sampled: 7/10/2023 15:55

Sample ID: 23G2118-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Benzene	0.45	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chloroethane	0.69	2.0	0.34	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1-Dichloroethane	23	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
cis-1,2-Dichloroethylene	0.24	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-45 | Sampled: 7/10/2023 15:55

Sample ID: 23G2118-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methylene Chloride	2.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Tetrachloroethylene	0.50	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 15:59
Toluene-d8	99.6	70-130		7/22/23 15:59
4-Bromofluorobenzene	83.4	70-130		7/22/23 15:59

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-55 | Sampled: 7/10/2023 16:37

Sample ID: 23G2118-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.4	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Benzene	1.3	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1-Dichloroethane	13	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1-Dichloroethylene	0.15	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
cis-1,2-Dichloroethylene	0.87	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-55 | Sampled: 7/10/2023 16:37

Sample ID: 23G2118-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methylene Chloride	2.4	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Tetrachloroethylene	0.72	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		7/22/23 16:25
Toluene-d8	97.8	70-130		7/22/23 16:25
4-Bromofluorobenzene	83.2	70-130		7/22/23 16:25

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-DUP-1 | Sampled: 7/10/2023 00:00

Sample ID: 23G2118-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Benzene	1.1	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1-Dichloroethane	13	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1-Dichloroethylene	0.21	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
cis-1,2-Dichloroethylene	0.92	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-DUP-1 | Sampled: 7/10/2023 00:00

Sample ID: 23G2118-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Tetrachloroethylene	0.65	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/22/23 16:52
Toluene-d8	99.2	70-130		7/22/23 16:52
4-Bromofluorobenzene	81.1	70-130		7/22/23 16:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-1-10072023 | Sampled: 7/10/2023 16:55

Sample ID: 23G2118-05

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-1-10072023 | Sampled: 7/10/2023 16:55

Sample ID: 23G2118-05

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methylene Chloride	2.3	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		7/22/23 17:19
Toluene-d8	98.8	70-130		7/22/23 17:19
4-Bromofluorobenzene	82.8	70-130		7/22/23 17:19

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-1-10072023 | Sampled: 7/10/2023 17:00

Sample ID: 23G2118-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-1-10072023 | Sampled: 7/10/2023 17:00

Sample ID: 23G2118-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methylene Chloride	2.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		7/22/23 17:45
Toluene-d8	96.6	70-130		7/22/23 17:45
4-Bromofluorobenzene	84.2	70-130		7/22/23 17:45

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-35 | Sampled: 7/11/2023 08:50

Sample ID: 23G2118-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.0	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-35 | Sampled: 7/11/2023 08:50

Sample ID: 23G2118-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/22/23 18:12
Toluene-d8	99.4	70-130		7/22/23 18:12
4-Bromofluorobenzene	84.3	70-130		7/22/23 18:12

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-45 | Sampled: 7/11/2023 09:23

Sample ID: 23G2118-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-45 | Sampled: 7/11/2023 09:23

Sample ID: 23G2118-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methylene Chloride	2.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,1-Trichloroethane	0.18	1.0	0.15	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 18:38
Toluene-d8	99.3	70-130		7/22/23 18:38
4-Bromofluorobenzene	82.3	70-130		7/22/23 18:38

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-55 | Sampled: 7/11/2023 10:20

Sample ID: 23G2118-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Benzene	0.55	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-55 | Sampled: 7/11/2023 10:20

Sample ID: 23G2118-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methylene Chloride	2.6	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,1-Trichloroethane	0.23	1.0	0.15	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/22/23 19:05
Toluene-d8	96.7	70-130		7/22/23 19:05
4-Bromofluorobenzene	82.8	70-130		7/22/23 19:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2118-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.0	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1-Dichloroethane	15	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1-Dichloroethylene	0.45	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
cis-1,2-Dichloroethylene	0.46	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2118-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methylene Chloride	2.1	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		7/22/23 19:32
Toluene-d8	97.2	70-130		7/22/23 19:32
4-Bromofluorobenzene	83.7	70-130		7/22/23 19:32

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2118-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.4	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Carbon Disulfide	1.9	5.0	1.6	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1-Dichloroethane	11	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1-Dichloroethylene	0.27	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
cis-1,2-Dichloroethylene	0.31	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2118-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Tetrachloroethylene	0.28	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,1-Trichloroethane	6.0	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Trichloroethylene	1.6	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		7/22/23 19:58
Toluene-d8	98.0	70-130		7/22/23 19:58
4-Bromofluorobenzene	82.2	70-130		7/22/23 19:58

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2118-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.7	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1-Dichloroethane	5.6	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2118-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methylene Chloride	2.4	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,1-Trichloroethane	4.0	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Trichloroethylene	0.20	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.8	70-130		7/22/23 20:25
Toluene-d8	97.0	70-130		7/22/23 20:25
4-Bromofluorobenzene	81.3	70-130		7/22/23 20:25

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2118-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.2	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Benzene	0.69	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1-Dichloroethane	4.5	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2118-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methylene Chloride	2.6	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 20:51
Toluene-d8	97.5	70-130		7/22/23 20:51
4-Bromofluorobenzene	82.6	70-130		7/22/23 20:51

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2118-14

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2118-14

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/22/23 21:18
Toluene-d8	99.2	70-130		7/22/23 21:18
4-Bromofluorobenzene	83.0	70-130		7/22/23 21:18

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2118-15

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2118-15

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methylene Chloride	0.18	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		7/22/23 21:45
Toluene-d8	98.3	70-130		7/22/23 21:45
4-Bromofluorobenzene	83.0	70-130		7/22/23 21:45

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-35 | Sampled: 7/12/2023 10:40

Sample ID: 23G2118-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.2	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Benzene	0.32	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-35 | Sampled: 7/12/2023 10:40

Sample ID: 23G2118-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.3	70-130		7/22/23 22:11
Toluene-d8	98.3	70-130		7/22/23 22:11
4-Bromofluorobenzene	84.4	70-130		7/22/23 22:11

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-45 | Sampled: 7/12/2023 11:05

Sample ID: 23G2118-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-45 | Sampled: 7/12/2023 11:05

Sample ID: 23G2118-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 22:38
Toluene-d8	97.7	70-130		7/22/23 22:38
4-Bromofluorobenzene	81.4	70-130		7/22/23 22:38

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-3-12072023 | Sampled: 7/12/2023 11:30

Sample ID: 23G2118-18

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-3-12072023 | Sampled: 7/12/2023 11:30

Sample ID: 23G2118-18

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		7/22/23 23:05
Toluene-d8	100	70-130		7/22/23 23:05
4-Bromofluorobenzene	84.7	70-130		7/22/23 23:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-35 | Sampled: 7/12/2023 12:35

Sample ID: 23G2118-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.4	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,4-Dichlorobenzene	0.26	1.0	0.13	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-35 | Sampled: 7/12/2023 12:35

Sample ID: 23G2118-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		7/22/23 23:31
Toluene-d8	97.8	70-130		7/22/23 23:31
4-Bromofluorobenzene	81.6	70-130		7/22/23 23:31

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-45 | Sampled: 7/12/2023 13:15

Sample ID: 23G2118-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-45 | Sampled: 7/12/2023 13:15

Sample ID: 23G2118-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
p-Isopropyltoluene (p-Cymene)	0.22	1.0	0.13	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.0	70-130		7/22/23 23:58
Toluene-d8	94.2	70-130		7/22/23 23:58
4-Bromofluorobenzene	90.0	70-130		7/22/23 23:58

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Sample Extraction Data

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2118-01RE1 [CLAR-DPT-1-35]	B346728	5	5.00	07/21/23
23G2118-02 [CLAR-DPT-1-45]	B346728	5	5.00	07/21/23
23G2118-03 [CLAR-DPT-1-55]	B346728	5	5.00	07/21/23
23G2118-04 [DPT-DUP-1]	B346728	5	5.00	07/21/23
23G2118-05 [DPT-FB-1-10072023]	B346728	5	5.00	07/21/23
23G2118-06 [DPT-EQB-1-10072023]	B346728	5	5.00	07/21/23
23G2118-07 [CLAR-DPT-2-35]	B346728	5	5.00	07/21/23
23G2118-08 [CLAR-DPT-2-45]	B346728	5	5.00	07/21/23
23G2118-09 [CLAR-DPT-2-55]	B346728	5	5.00	07/21/23
23G2118-10 [5AVE-DPT-3-40]	B346728	5	5.00	07/21/23
23G2118-11 [5AVE-DPT-3-50]	B346728	5	5.00	07/21/23
23G2118-12 [5AVE-DPT-2-35]	B346728	5	5.00	07/21/23
23G2118-13 [5AVE-DPT-2-45]	B346728	5	5.00	07/21/23
23G2118-14 [DPT-FB-2-11072023]	B346728	5	5.00	07/21/23
23G2118-15 [DPT-EQB-2-11072023]	B346728	5	5.00	07/21/23
23G2118-16 [ABI-DPT-1-35]	B346728	5	5.00	07/21/23
23G2118-17 [ABI-DPT-1-45]	B346728	5	5.00	07/21/23
23G2118-18 [DPT-FB-3-12072023]	B346728	5	5.00	07/21/23
23G2118-19 [ABI-DPT-2-35]	B346728	5	5.00	07/21/23
23G2118-20 [ABI-DPT-2-45]	B346728	5	5.00	07/21/23

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2118-01 [CLAR-DPT-1-35]	B346810	5	5.00	07/24/23

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346728 - SW-846 5030B										
Blank (B346728-BLK1)				Prepared: 07/21/23 Analyzed: 07/22/23						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							V-05
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
Blank (B346728-BLK1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130				
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.7	70-130				
Surrogate: 4-Bromofluorobenzene	*21.1*		µg/L	25.0		84.4	70-130				
LCS (B346728-BS1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	82.3	50	µg/L	100		82.3	70-160				†
Acrylonitrile	8.23	5.0	µg/L	10.0		82.3	70-130				
tert-Amyl Methyl Ether (TAME)	8.49	0.50	µg/L	10.0		84.9	70-130				
Benzene	10.0	1.0	µg/L	10.0		100	70-130				
Bromobenzene	9.64	1.0	µg/L	10.0		96.4	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	8.10	1.0	µg/L	10.0		81.0	70-130				
Bromomethane	11.8	2.0	µg/L	10.0		118	40-160				†
2-Butanone (MEK)	91.7	20	µg/L	100		91.7	40-160				†
tert-Butyl Alcohol (TBA)	68.8	20	µg/L	100		68.8	40-160			V-05	†
n-Butylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130				
sec-Butylbenzene	8.77	1.0	µg/L	10.0		87.7	70-130				
tert-Butylbenzene	8.59	1.0	µg/L	10.0		85.9	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.85	0.50	µg/L	10.0		88.5	70-130				
Carbon Disulfide	89.2	5.0	µg/L	100		89.2	70-130				
Carbon Tetrachloride	7.69	5.0	µg/L	10.0		76.9	70-130			V-05	
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Chlorodibromomethane	9.55	0.50	µg/L	10.0		95.5	70-130				
Chloroethane	8.35	2.0	µg/L	10.0		83.5	70-130				
Chloroform	9.85	2.0	µg/L	10.0		98.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
LCS (B346728-BS1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Chloromethane	8.76	2.0	µg/L	10.0		87.6	40-160				†
2-Chlorotoluene	9.16	1.0	µg/L	10.0		91.6	70-130				
4-Chlorotoluene	9.32	1.0	µg/L	10.0		93.2	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.76	5.0	µg/L	10.0		77.6	70-130			V-05	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	9.88	1.0	µg/L	10.0		98.8	70-130				
1,3-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130				
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,4-Dichloro-2-butene	7.82	2.0	µg/L	10.0		78.2	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	8.60	2.0	µg/L	10.0		86.0	40-160				†
1,1-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130				
1,2-Dichloroethane	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1-Dichloroethylene	8.86	1.0	µg/L	10.0		88.6	70-130				
cis-1,2-Dichloroethylene	9.30	1.0	µg/L	10.0		93.0	70-130				
trans-1,2-Dichloroethylene	8.94	1.0	µg/L	10.0		89.4	70-130				
1,2-Dichloropropane	9.88	1.0	µg/L	10.0		98.8	70-130				
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130				
2,2-Dichloropropane	9.01	1.0	µg/L	10.0		90.1	40-130			V-05	†
1,1-Dichloropropene	9.48	2.0	µg/L	10.0		94.8	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130				
Diethyl Ether	9.02	2.0	µg/L	10.0		90.2	70-130				
Diisopropyl Ether (DIPE)	9.50	0.50	µg/L	10.0		95.0	70-130				
1,4-Dioxane	73.7	50	µg/L	100		73.7	40-130			V-05	†
Ethylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130				
Hexachlorobutadiene	10.7	0.60	µg/L	10.0		107	70-130				
2-Hexanone (MBK)	87.3	10	µg/L	100		87.3	70-160				†
Isopropylbenzene (Cumene)	8.76	1.0	µg/L	10.0		87.6	70-130				
p-Isopropyltoluene (p-Cymene)	8.90	1.0	µg/L	10.0		89.0	70-130				
Methyl Acetate	7.83	1.0	µg/L	10.0		78.3	70-130				
Methyl tert-Butyl Ether (MTBE)	8.35	1.0	µg/L	10.0		83.5	70-130				
Methyl Cyclohexane	10.0	1.0	µg/L	10.0		100	70-130				
Methylene Chloride	9.17	5.0	µg/L	10.0		91.7	70-130				
4-Methyl-2-pentanone (MIBK)	87.2	10	µg/L	100		87.2	70-160				†
Naphthalene	5.88	2.0	µg/L	10.0		58.8	40-130			V-05	†
n-Propylbenzene	8.88	1.0	µg/L	10.0		88.8	70-130				
Styrene	8.83	1.0	µg/L	10.0		88.3	70-130				
1,1,1,2-Tetrachloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	9.61	0.50	µg/L	10.0		96.1	70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
Tetrahydrofuran	8.87	10	µg/L	10.0		88.7	70-130			J	
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	7.68	5.0	µg/L	10.0		76.8	70-130			V-05	
1,2,4-Trichlorobenzene	7.22	1.0	µg/L	10.0		72.2	70-130			V-05	
1,3,5-Trichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130				
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Trichlorofluoromethane (Freon 11)	8.64	2.0	µg/L	10.0		86.4	70-130				
1,2,3-Trichloropropane	8.95	2.0	µg/L	10.0		89.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
LCS (B346728-BS1)				Prepared: 07/21/23 Analyzed: 07/22/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.17	1.0	µg/L	10.0		91.7	70-130				
1,2,4-Trimethylbenzene	8.87	1.0	µg/L	10.0		88.7	70-130				
1,3,5-Trimethylbenzene	9.29	1.0	µg/L	10.0		92.9	70-130				
Vinyl Chloride	9.60	2.0	µg/L	10.0		96.0	40-160				†
m+p Xylene	18.9	2.0	µg/L	20.0		94.3	70-130				
o-Xylene	8.82	1.0	µg/L	10.0		88.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: Toluene-d8	*25.7*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.6	70-130				
LCS Dup (B346728-BSD1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	84.9	50	µg/L	100		84.9	70-160	3.18	25		†
Acrylonitrile	9.02	5.0	µg/L	10.0		90.2	70-130	9.16	25		
tert-Amyl Methyl Ether (TAME)	8.71	0.50	µg/L	10.0		87.1	70-130	2.56	25		
Benzene	10.5	1.0	µg/L	10.0		105	70-130	4.68	25		
Bromobenzene	9.55	1.0	µg/L	10.0		95.5	70-130	0.938	25		
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	1.38	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	1.67	25		
Bromoform	8.31	1.0	µg/L	10.0		83.1	70-130	2.56	25		
Bromomethane	11.8	2.0	µg/L	10.0		118	40-160	0.170	25		†
2-Butanone (MEK)	95.8	20	µg/L	100		95.8	40-160	4.35	25		†
tert-Butyl Alcohol (TBA)	70.5	20	µg/L	100		70.5	40-160	2.44	25	V-05	†
n-Butylbenzene	9.20	1.0	µg/L	10.0		92.0	70-130	1.31	25		
sec-Butylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130	3.03	25		
tert-Butylbenzene	8.80	1.0	µg/L	10.0		88.0	70-130	2.42	25		
tert-Butyl Ethyl Ether (TBEE)	9.07	0.50	µg/L	10.0		90.7	70-130	2.46	25		
Carbon Disulfide	91.0	5.0	µg/L	100		91.0	70-130	1.94	25		
Carbon Tetrachloride	7.94	5.0	µg/L	10.0		79.4	70-130	3.20	25	V-05	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.38	25		
Chlorodibromomethane	9.51	0.50	µg/L	10.0		95.1	70-130	0.420	25		
Chloroethane	8.93	2.0	µg/L	10.0		89.3	70-130	6.71	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	2.11	25		
Chloromethane	8.89	2.0	µg/L	10.0		88.9	40-160	1.47	25		†
2-Chlorotoluene	9.65	1.0	µg/L	10.0		96.5	70-130	5.21	25		
4-Chlorotoluene	9.29	1.0	µg/L	10.0		92.9	70-130	0.322	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.09	5.0	µg/L	10.0		80.9	70-130	4.16	25	V-05	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	0.00	25		
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130	0.496	25		
1,2-Dichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	0.605	25		
1,3-Dichlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130	0.610	25		
1,4-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	4.12	25		
trans-1,4-Dichloro-2-butene	7.44	2.0	µg/L	10.0		74.4	70-130	4.98	25	V-05	
Dichlorodifluoromethane (Freon 12)	8.46	2.0	µg/L	10.0		84.6	40-160	1.64	25		†
1,1-Dichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130	3.35	25		
1,2-Dichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	1.44	25		
1,1-Dichloroethylene	8.97	1.0	µg/L	10.0		89.7	70-130	1.23	25		
cis-1,2-Dichloroethylene	9.63	1.0	µg/L	10.0		96.3	70-130	3.49	25		
trans-1,2-Dichloroethylene	9.14	1.0	µg/L	10.0		91.4	70-130	2.21	25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	8.62	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	0.988	25		
2,2-Dichloropropane	8.80	1.0	µg/L	10.0		88.0	40-130	2.36	25	V-05	†
1,1-Dichloropropene	9.79	2.0	µg/L	10.0		97.9	70-130	3.22	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
LCS Dup (B346728-BSD1)				Prepared: 07/21/23 Analyzed: 07/22/23							
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	1.38	25		
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130	1.03	25		
Diethyl Ether	9.18	2.0	µg/L	10.0		91.8	70-130	1.76	25		
Diisopropyl Ether (DIPE)	9.63	0.50	µg/L	10.0		96.3	70-130	1.36	25		
1,4-Dioxane	74.8	50	µg/L	100		74.8	40-130	1.48	50	V-05	† ‡
Ethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130	1.97	25		
Hexachlorobutadiene	10.9	0.60	µg/L	10.0		109	70-130	1.39	25		
2-Hexanone (MBK)	88.5	10	µg/L	100		88.5	70-160	1.38	25		†
Isopropylbenzene (Cumene)	8.87	1.0	µg/L	10.0		88.7	70-130	1.25	25		
p-Isopropyltoluene (p-Cymene)	8.91	1.0	µg/L	10.0		89.1	70-130	0.112	25		
Methyl Acetate	8.43	1.0	µg/L	10.0		84.3	70-130	7.38	25		
Methyl tert-Butyl Ether (MTBE)	8.58	1.0	µg/L	10.0		85.8	70-130	2.72	25		
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	2.76	25		
Methylene Chloride	9.08	5.0	µg/L	10.0		90.8	70-130	0.986	25		
4-Methyl-2-pentanone (MIBK)	88.7	10	µg/L	100		88.7	70-160	1.69	25		†
Naphthalene	5.90	2.0	µg/L	10.0		59.0	40-130	0.340	25	V-05	†
n-Propylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130	1.79	25		
Styrene	8.90	1.0	µg/L	10.0		89.0	70-130	0.790	25		
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.892	25		
1,1,2,2-Tetrachloroethane	9.63	0.50	µg/L	10.0		96.3	70-130	0.208	25		
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	0.670	25		
Tetrahydrofuran	9.02	10	µg/L	10.0		90.2	70-130	1.68	25	J	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	0.677	25		
1,2,3-Trichlorobenzene	7.98	5.0	µg/L	10.0		79.8	70-130	3.83	25	V-05	
1,2,4-Trichlorobenzene	7.47	1.0	µg/L	10.0		74.7	70-130	3.40	25	V-05	
1,3,5-Trichlorobenzene	9.32	1.0	µg/L	10.0		93.2	70-130	1.60	25		
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.598	25		
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.35	25		
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.497	25		
Trichlorofluoromethane (Freon 11)	8.98	2.0	µg/L	10.0		89.8	70-130	3.86	25		
1,2,3-Trichloropropane	9.12	2.0	µg/L	10.0		91.2	70-130	1.88	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34	1.0	µg/L	10.0		93.4	70-130	1.84	25		
1,2,4-Trimethylbenzene	8.95	1.0	µg/L	10.0		89.5	70-130	0.898	25		
1,3,5-Trimethylbenzene	9.27	1.0	µg/L	10.0		92.7	70-130	0.216	25		
Vinyl Chloride	9.55	2.0	µg/L	10.0		95.5	40-160	0.522	25		†
m+p Xylene	18.4	2.0	µg/L	20.0		92.0	70-130	2.52	25		
o-Xylene	8.88	1.0	µg/L	10.0		88.8	70-130	0.678	25		
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.7	70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.8	70-130				
Batch B346810 - SW-846 5030B											
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	ND	50	µg/L								
Acrylonitrile	ND	5.0	µg/L								
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L								
Benzene	ND	1.0	µg/L								
Bromobenzene	ND	1.0	µg/L								
Bromochloromethane	ND	1.0	µg/L								
Bromodichloromethane	ND	0.50	µg/L								
Bromoform	ND	1.0	µg/L								

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B										
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23						
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.7	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*21.0*		µg/L	25.0		83.8	70-130				
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	87.0	50	µg/L	100		87.0	70-160				†
Acrylonitrile	10.1	5.0	µg/L	10.0		101	70-130				
tert-Amyl Methyl Ether (TAME)	9.25	0.50	µg/L	10.0		92.5	70-130				
Benzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromobenzene	9.95	1.0	µg/L	10.0		99.5	70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	8.08	1.0	µg/L	10.0		80.8	70-130				
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160				†
2-Butanone (MEK)	98.7	20	µg/L	100		98.7	40-160				†
tert-Butyl Alcohol (TBA)	71.1	20	µg/L	100		71.1	40-160			V-05	†
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130				
tert-Butylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.39	0.50	µg/L	10.0		93.9	70-130				
Carbon Disulfide	98.5	5.0	µg/L	100		98.5	70-130				
Carbon Tetrachloride	7.66	5.0	µg/L	10.0		76.6	70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Chlorodibromomethane	9.37	0.50	µg/L	10.0		93.7	70-130				
Chloroethane	9.45	2.0	µg/L	10.0		94.5	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160				†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130				
4-Chlorotoluene	9.78	1.0	µg/L	10.0		97.8	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.77	5.0	µg/L	10.0		77.7	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
trans-1,4-Dichloro-2-butene	7.79	2.0	µg/L	10.0		77.9	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160				†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130				
1,1-Dichloroethylene	9.41	1.0	µg/L	10.0		94.1	70-130				
cis-1,2-Dichloroethylene	9.66	1.0	µg/L	10.0		96.6	70-130				
trans-1,2-Dichloroethylene	9.32	1.0	µg/L	10.0		93.2	70-130				
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130				
2,2-Dichloropropane	8.99	1.0	µg/L	10.0		89.9	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130				
trans-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5	70-130				
Diethyl Ether	9.67	2.0	µg/L	10.0		96.7	70-130				
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130				
1,4-Dioxane	79.2	50	µg/L	100		79.2	40-130				†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130				
2-Hexanone (MBK)	91.0	10	µg/L	100		91.0	70-160				†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130				
p-Isopropyltoluene (p-Cymene)	9.90	1.0	µg/L	10.0		99.0	70-130				
Methyl Acetate	8.42	1.0	µg/L	10.0		84.2	70-130				
Methyl tert-Butyl Ether (MTBE)	8.90	1.0	µg/L	10.0		89.0	70-130				
Methyl Cyclohexane	11.5	1.0	µg/L	10.0		115	70-130				
Methylene Chloride	9.68	5.0	µg/L	10.0		96.8	70-130				
4-Methyl-2-pentanone (MIBK)	92.1	10	µg/L	100		92.1	70-160				†
Naphthalene	6.71	2.0	µg/L	10.0		67.1	40-130			V-05	†
n-Propylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130				
Styrene	9.23	1.0	µg/L	10.0		92.3	70-130				
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	9.81	0.50	µg/L	10.0		98.1	70-130				
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Tetrahydrofuran	9.81	10	µg/L	10.0		98.1	70-130			J	
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.34	5.0	µg/L	10.0		83.4	70-130				
1,2,4-Trichlorobenzene	7.64	1.0	µg/L	10.0		76.4	70-130			V-05	
1,3,5-Trichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130				
1,1,1-Trichloroethane	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.57	2.0	µg/L	10.0		95.7	70-130				
1,2,3-Trichloropropane	9.50	2.0	µg/L	10.0		95.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130				
1,2,4-Trimethylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
1,3,5-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130				
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160			V-06	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130				
o-Xylene	9.31	1.0	µg/L	10.0		93.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		91.9	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.0	70-130				
LCS Dup (B346810-BSD1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	86.8	50	µg/L	100		86.8	70-160	0.230	25		†
Acrylonitrile	8.78	5.0	µg/L	10.0		87.8	70-130	14.0	25		
tert-Amyl Methyl Ether (TAME)	9.35	0.50	µg/L	10.0		93.5	70-130	1.08	25		
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.824	25		
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.10	25		
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	1.79	25		
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	1.87	25		
Bromoform	8.32	1.0	µg/L	10.0		83.2	70-130	2.93	25		
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	7.34	25		†
2-Butanone (MEK)	96.5	20	µg/L	100		96.5	40-160	2.26	25		†
tert-Butyl Alcohol (TBA)	71.6	20	µg/L	100		71.6	40-160	0.659	25	V-05	†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.11	25		
sec-Butylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130	2.76	25		
tert-Butylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130	4.84	25		
tert-Butyl Ethyl Ether (TBEE)	9.41	0.50	µg/L	10.0		94.1	70-130	0.213	25		
Carbon Disulfide	85.1	5.0	µg/L	100		85.1	70-130	14.6	25		
Carbon Tetrachloride	7.48	5.0	µg/L	10.0		74.8	70-130	2.38	25		
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.12	25		
Chlorodibromomethane	9.62	0.50	µg/L	10.0		96.2	70-130	2.63	25		
Chloroethane	9.17	2.0	µg/L	10.0		91.7	70-130	3.01	25		
Chloroform	9.99	2.0	µg/L	10.0		99.9	70-130	3.06	25		
Chloromethane	9.99	2.0	µg/L	10.0		99.9	40-160	2.86	25		†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	2.46	25		
4-Chlorotoluene	9.53	1.0	µg/L	10.0		95.3	70-130	2.59	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.0		85.1	70-130	9.09	25		
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	2.03	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130	2.30	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.865	25		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.24	25		
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	9.59	25		
trans-1,4-Dichloro-2-butene	7.41	2.0	µg/L	10.0		74.1	70-130	5.00	25	V-05	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	7.18	25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.298	25		
1,2-Dichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130	1.99	25		
1,1-Dichloroethylene	9.13	1.0	µg/L	10.0		91.3	70-130	3.02	25		
cis-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.35	25		
trans-1,2-Dichloroethylene	9.17	1.0	µg/L	10.0		91.7	70-130	1.62	25		
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	2.80	25		
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	2.31	25		
2,2-Dichloropropane	9.09	1.0	µg/L	10.0		90.9	40-130	1.11	25		†
1,1-Dichloropropene	9.91	2.0	µg/L	10.0		99.1	70-130	4.25	25		
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	0.289	25		
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.10	25		
Diethyl Ether	9.42	2.0	µg/L	10.0		94.2	70-130	2.62	25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	1.28	25		
1,4-Dioxane	81.7	50	µg/L	100		81.7	40-130	3.03	50		† ‡
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.884	25		
Hexachlorobutadiene	11.6	0.60	µg/L	10.0		116	70-130	2.26	25		
2-Hexanone (MBK)	90.8	10	µg/L	100		90.8	70-160	0.253	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS Dup (B346810-BSD1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Isopropylbenzene (Cumene)	9.45	1.0	µg/L	10.0		94.5	70-130	0.637	25		
p-Isopropyltoluene (p-Cymene)	9.38	1.0	µg/L	10.0		93.8	70-130	5.39	25		
Methyl Acetate	8.09	1.0	µg/L	10.0		80.9	70-130	4.00	25		
Methyl tert-Butyl Ether (MTBE)	8.97	1.0	µg/L	10.0		89.7	70-130	0.783	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	6.18	25		
Methylene Chloride	9.34	5.0	µg/L	10.0		93.4	70-130	3.58	25		
4-Methyl-2-pentanone (MIBK)	92.4	10	µg/L	100		92.4	70-160	0.293	25		†
Naphthalene	6.59	2.0	µg/L	10.0		65.9	40-130	1.80	25	V-05	†
n-Propylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130	2.53	25		
Styrene	9.47	1.0	µg/L	10.0		94.7	70-130	2.57	25		
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.24	25		
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	2.62	25		
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.30	25		
Tetrahydrofuran	9.27	10	µg/L	10.0		92.7	70-130	5.66	25	J	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.935	25		
1,2,3-Trichlorobenzene	8.12	5.0	µg/L	10.0		81.2	70-130	2.67	25		
1,2,4-Trichlorobenzene	7.85	1.0	µg/L	10.0		78.5	70-130	2.71	25	V-05	
1,3,5-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.20	25		
1,1,1-Trichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	1.44	25		
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.03	25		
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.379	25		
Trichlorofluoromethane (Freon 11)	9.29	2.0	µg/L	10.0		92.9	70-130	2.97	25		
1,2,3-Trichloropropane	9.58	2.0	µg/L	10.0		95.8	70-130	0.839	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.83	1.0	µg/L	10.0		98.3	70-130	2.91	25		
1,2,4-Trimethylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130	3.30	25		
1,3,5-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	0.103	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	5.75	25	V-06	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.0	70-130	1.10	25		
o-Xylene	9.47	1.0	µg/L	10.0		94.7	70-130	1.70	25		
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.9	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.2	70-130				
Matrix Spike (B346810-MS1)		**Source: 23G2118-01**		Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	75.5	50	µg/L	100	3.29	72.2	70-130				
Acrylonitrile	7.86	5.0	µg/L	10.0	ND	78.6	70-130				
tert-Amyl Methyl Ether (TAME)	7.72	0.50	µg/L	10.0	ND	77.2	70-130				
Benzene	10.4	1.0	µg/L	10.0	0.950	94.8	70-130				
Bromobenzene	7.12	1.0	µg/L	10.0	ND	71.2	70-130				
Bromochloromethane	10.2	1.0	µg/L	10.0	ND	102	70-130				
Bromodichloromethane	8.78	0.50	µg/L	10.0	ND	87.8	70-130				
Bromoform	6.52	1.0	µg/L	10.0	ND	**65.2**	* 70-130			MS-07A	
Bromomethane	10.6	2.0	µg/L	10.0	ND	106	70-130				
2-Butanone (MEK)	82.8	20	µg/L	100	ND	82.8	70-130				
tert-Butyl Alcohol (TBA)	59.6	20	µg/L	100	ND	**59.6**	* 70-130			MS-09	
n-Butylbenzene	6.50	1.0	µg/L	10.0	ND	**65.0**	* 70-130			MS-07A	
sec-Butylbenzene	7.41	1.0	µg/L	10.0	ND	74.1	70-130				
tert-Butylbenzene	7.28	1.0	µg/L	10.0	ND	72.8	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.36	0.50	µg/L	10.0	ND	83.6	70-130				
Carbon Disulfide	86.0	5.0	µg/L	100	ND	86.0	70-130				
Carbon Tetrachloride	8.18	5.0	µg/L	10.0	ND	81.8	70-130				
Chlorobenzene	7.98	1.0	µg/L	10.0	ND	79.8	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B											
Matrix Spike (B346810-MS1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
Chlorodibromomethane	7.87	0.50	µg/L	10.0	ND	78.7		70-130			
Chloroethane	9.11	2.0	µg/L	10.0	ND	91.1		70-130			
Chloroform	9.29	2.0	µg/L	10.0	ND	92.9		70-130			
Chloromethane	11.6	2.0	µg/L	10.0	ND	116		70-130			
2-Chlorotoluene	7.05	1.0	µg/L	10.0	ND	70.5		70-130			
4-Chlorotoluene	6.57	1.0	µg/L	10.0	ND	**65.7**	*	70-130			MS-07A
1,2-Dibromo-3-chloropropane (DBCP)	6.32	5.0	µg/L	10.0	ND	**63.2**	*	70-130			MS-07A
1,2-Dibromoethane (EDB)	8.31	0.50	µg/L	10.0	ND	83.1		70-130			
Dibromomethane	8.82	1.0	µg/L	10.0	ND	88.2		70-130			
1,2-Dichlorobenzene	7.23	1.0	µg/L	10.0	ND	72.3		70-130			
1,3-Dichlorobenzene	7.20	1.0	µg/L	10.0	ND	72.0		70-130			
1,4-Dichlorobenzene	7.09	1.0	µg/L	10.0	ND	70.9		70-130			
trans-1,4-Dichloro-2-butene	4.71	2.0	µg/L	10.0	ND	**47.1**	*	70-130			MS-09
Dichlorodifluoromethane (Freon 12)	9.29	2.0	µg/L	10.0	ND	92.9		70-130			
1,1-Dichloroethane	9.30	1.0	µg/L	10.0	ND	93.0		70-130			
1,2-Dichloroethane	8.50	1.0	µg/L	10.0	ND	85.0		70-130			
1,1-Dichloroethylene	8.71	1.0	µg/L	10.0	ND	87.1		70-130			
cis-1,2-Dichloroethylene	8.81	1.0	µg/L	10.0	ND	88.1		70-130			
trans-1,2-Dichloroethylene	8.36	1.0	µg/L	10.0	ND	83.6		70-130			
1,2-Dichloropropane	9.18	1.0	µg/L	10.0	ND	91.8		70-130			
1,3-Dichloropropane	8.28	0.50	µg/L	10.0	ND	82.8		70-130			
2,2-Dichloropropane	7.58	1.0	µg/L	10.0	ND	75.8		70-130			
1,1-Dichloropropene	8.59	2.0	µg/L	10.0	ND	85.9		70-130			
cis-1,3-Dichloropropene	7.90	0.50	µg/L	10.0	ND	79.0		70-130			
trans-1,3-Dichloropropene	7.43	0.50	µg/L	10.0	ND	74.3		70-130			
Diethyl Ether	8.86	2.0	µg/L	10.0	ND	88.6		70-130			
Diisopropyl Ether (DIPE)	8.99	0.50	µg/L	10.0	ND	89.9		70-130			
1,4-Dioxane	69.2	50	µg/L	100	ND	**69.2**	*	70-130			MS-24
Ethylbenzene	7.71	1.0	µg/L	10.0	ND	77.1		70-130			
Hexachlorobutadiene	7.81	0.60	µg/L	10.0	ND	78.1		70-130			
2-Hexanone (MBK)	62.4	10	µg/L	100	ND	**62.4**	*	70-130			MS-07A
Isopropylbenzene (Cumene)	7.00	1.0	µg/L	10.0	ND	70.0		70-130			
p-Isopropyltoluene (p-Cymene)	7.04	1.0	µg/L	10.0	ND	70.4		70-130			
Methyl Acetate	6.43	1.0	µg/L	10.0	ND	**64.3**	*	70-130			MS-07A
Methyl tert-Butyl Ether (MTBE)	7.92	1.0	µg/L	10.0	ND	79.2		70-130			
Methyl Cyclohexane	9.24	1.0	µg/L	10.0	ND	92.4		70-130			
Methylene Chloride	11.8	5.0	µg/L	10.0	2.96	88.5		70-130			
4-Methyl-2-pentanone (MIBK)	71.8	10	µg/L	100	ND	71.8		70-130			
Naphthalene	3.24	2.0	µg/L	10.0	ND	**32.4**	*	70-130			MS-09
n-Propylbenzene	6.77	1.0	µg/L	10.0	ND	**67.7**	*	70-130			MS-07A
Styrene	6.14	1.0	µg/L	10.0	ND	**61.4**	*	70-130			MS-07A
1,1,1,2-Tetrachloroethane	8.83	1.0	µg/L	10.0	ND	88.3		70-130			
1,1,2,2-Tetrachloroethane	8.35	0.50	µg/L	10.0	ND	83.5		70-130			
Tetrachloroethylene	9.56	1.0	µg/L	10.0	0.430	91.3		70-130			
Tetrahydrofuran	8.70	10	µg/L	10.0	ND	87.0		70-130			J
Toluene	8.70	1.0	µg/L	10.0	ND	87.0		70-130			
1,2,3-Trichlorobenzene	4.69	5.0	µg/L	10.0	ND	**46.9**	*	70-130			MS-07A, J
1,2,4-Trichlorobenzene	4.45	1.0	µg/L	10.0	ND	**44.5**	*	70-130			MS-09
1,3,5-Trichlorobenzene	6.60	1.0	µg/L	10.0	ND	**66.0**	*	70-130			MS-07A
1,1,1-Trichloroethane	9.05	1.0	µg/L	10.0	ND	90.5		70-130			
1,1,2-Trichloroethane	9.01	1.0	µg/L	10.0	ND	90.1		70-130			
Trichloroethylene	8.50	1.0	µg/L	10.0	ND	85.0		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B											
Matrix Spike (B346810-MS1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
Trichlorofluoromethane (Freon 11)	9.01	2.0	µg/L	10.0	ND	90.1		70-130			
1,2,3-Trichloropropane	8.34	2.0	µg/L	10.0	ND	83.4		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52	1.0	µg/L	10.0	ND	95.2		70-130			
1,2,4-Trimethylbenzene	7.80	1.0	µg/L	10.0	ND	78.0		70-130			
1,3,5-Trimethylbenzene	7.52	1.0	µg/L	10.0	ND	75.2		70-130			
Vinyl Chloride	10.7	2.0	µg/L	10.0	ND	107		70-130			
m+p Xylene	14.6	2.0	µg/L	20.0	ND	72.9		70-130			
o-Xylene	7.06	1.0	µg/L	10.0	ND	70.6		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.8		70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*22.3*		µg/L	25.0		89.4		70-130			
Matrix Spike Dup (B346810-MSD1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	76.4	50	µg/L	100	3.29	73.2		70-130	1.24	30	
Acrylonitrile	8.31	5.0	µg/L	10.0	ND	83.1		70-130	5.57	30	
tert-Amyl Methyl Ether (TAME)	7.77	0.50	µg/L	10.0	ND	77.7		70-130	0.646	30	
Benzene	10.7	1.0	µg/L	10.0	0.950	97.3		70-130	2.37	30	
Bromobenzene	7.09	1.0	µg/L	10.0	ND	70.9		70-130	0.422	30	
Bromochloromethane	10.1	1.0	µg/L	10.0	ND	101		70-130	0.591	30	
Bromodichloromethane	8.93	0.50	µg/L	10.0	ND	89.3		70-130	1.69	30	
Bromoform	6.34	1.0	µg/L	10.0	ND	**63.4**	*	70-130	2.80	30	MS-07A
Bromomethane	11.4	2.0	µg/L	10.0	ND	114		70-130	8.01	30	
2-Butanone (MEK)	83.2	20	µg/L	100	ND	83.2		70-130	0.518	30	
tert-Butyl Alcohol (TBA)	61.7	20	µg/L	100	ND	**61.7**	*	70-130	3.55	30	MS-09
n-Butylbenzene	6.70	1.0	µg/L	10.0	ND	**67.0**	*	70-130	3.03	30	MS-07A
sec-Butylbenzene	7.58	1.0	µg/L	10.0	ND	75.8		70-130	2.27	30	
tert-Butylbenzene	7.30	1.0	µg/L	10.0	ND	73.0		70-130	0.274	30	
tert-Butyl Ethyl Ether (TBEE)	8.43	0.50	µg/L	10.0	ND	84.3		70-130	0.834	30	
Carbon Disulfide	84.2	5.0	µg/L	100	ND	84.2		70-130	2.17	30	
Carbon Tetrachloride	7.72	5.0	µg/L	10.0	ND	77.2		70-130	5.79	30	
Chlorobenzene	8.02	1.0	µg/L	10.0	ND	80.2		70-130	0.500	30	
Chlorodibromomethane	7.94	0.50	µg/L	10.0	ND	79.4		70-130	0.886	30	
Chloroethane	9.20	2.0	µg/L	10.0	ND	92.0		70-130	0.983	30	
Chloroform	9.33	2.0	µg/L	10.0	ND	93.3		70-130	0.430	30	
Chloromethane	11.8	2.0	µg/L	10.0	ND	118		70-130	1.62	30	
2-Chlorotoluene	7.13	1.0	µg/L	10.0	ND	71.3		70-130	1.13	30	
4-Chlorotoluene	6.52	1.0	µg/L	10.0	ND	**65.2**	*	70-130	0.764	30	MS-07A
1,2-Dibromo-3-chloropropane (DBCP)	6.09	5.0	µg/L	10.0	ND	**60.9**	*	70-130	3.71	30	MS-07A
1,2-Dibromoethane (EDB)	8.46	0.50	µg/L	10.0	ND	84.6		70-130	1.79	30	
Dibromomethane	8.77	1.0	µg/L	10.0	ND	87.7		70-130	0.568	30	
1,2-Dichlorobenzene	6.86	1.0	µg/L	10.0	ND	**68.6**	*	70-130	5.25	30	MS-24
1,3-Dichlorobenzene	7.18	1.0	µg/L	10.0	ND	71.8		70-130	0.278	30	
1,4-Dichlorobenzene	6.77	1.0	µg/L	10.0	ND	**67.7**	*	70-130	4.62	30	MS-24
trans-1,4-Dichloro-2-butene	4.99	2.0	µg/L	10.0	ND	**49.9**	*	70-130	5.77	30	MS-09
Dichlorodifluoromethane (Freon 12)	9.42	2.0	µg/L	10.0	ND	94.2		70-130	1.39	30	
1,1-Dichloroethane	9.40	1.0	µg/L	10.0	ND	94.0		70-130	1.07	30	
1,2-Dichloroethane	8.59	1.0	µg/L	10.0	ND	85.9		70-130	1.05	30	
1,1-Dichloroethylene	8.51	1.0	µg/L	10.0	ND	85.1		70-130	2.32	30	
cis-1,2-Dichloroethylene	8.39	1.0	µg/L	10.0	ND	83.9		70-130	4.88	30	
trans-1,2-Dichloroethylene	8.05	1.0	µg/L	10.0	ND	80.5		70-130	3.78	30	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0	ND	100		70-130	8.85	30	
1,3-Dichloropropane	8.50	0.50	µg/L	10.0	ND	85.0		70-130	2.62	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B											
Matrix Spike Dup (B346810-MSD1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
2,2-Dichloropropane	7.54	1.0	µg/L	10.0	ND	75.4		70-130	0.529	30	
1,1-Dichloropropene	8.61	2.0	µg/L	10.0	ND	86.1		70-130	0.233	30	
cis-1,3-Dichloropropene	7.80	0.50	µg/L	10.0	ND	78.0		70-130	1.27	30	
trans-1,3-Dichloropropene	7.60	0.50	µg/L	10.0	ND	76.0		70-130	2.26	30	
Diethyl Ether	8.41	2.0	µg/L	10.0	ND	84.1		70-130	5.21	30	
Diisopropyl Ether (DIPE)	9.20	0.50	µg/L	10.0	ND	92.0		70-130	2.31	30	
1,4-Dioxane	72.4	50	µg/L	100	ND	72.4		70-130	4.65	30	
Ethylbenzene	7.59	1.0	µg/L	10.0	ND	75.9		70-130	1.57	30	
Hexachlorobutadiene	8.14	0.60	µg/L	10.0	ND	81.4		70-130	4.14	30	
2-Hexanone (MBK)	63.8	10	µg/L	100	ND	**63.8**	*	70-130	2.19	30	MS-07A
Isopropylbenzene (Cumene)	7.20	1.0	µg/L	10.0	ND	72.0		70-130	2.82	30	
p-Isopropyltoluene (p-Cymene)	7.14	1.0	µg/L	10.0	ND	71.4		70-130	1.41	30	
Methyl Acetate	6.78	1.0	µg/L	10.0	ND	**67.8**	*	70-130	5.30	30	MS-07A
Methyl tert-Butyl Ether (MTBE)	8.10	1.0	µg/L	10.0	ND	81.0		70-130	2.25	30	
Methyl Cyclohexane	9.26	1.0	µg/L	10.0	ND	92.6		70-130	0.216	30	
Methylene Chloride	8.84	5.0	µg/L	10.0	2.96	**58.8**	*	70-130	28.8	30	MS-24
4-Methyl-2-pentanone (MIBK)	73.4	10	µg/L	100	ND	73.4		70-130	2.18	30	
Naphthalene	3.49	2.0	µg/L	10.0	ND	**34.9**	*	70-130	7.43	30	MS-09
n-Propylbenzene	6.82	1.0	µg/L	10.0	ND	**68.2**	*	70-130	0.736	30	MS-07A
Styrene	6.33	1.0	µg/L	10.0	ND	**63.3**	*	70-130	3.05	30	MS-07A
1,1,1,2-Tetrachloroethane	8.75	1.0	µg/L	10.0	ND	87.5		70-130	0.910	30	
1,1,2,2-Tetrachloroethane	8.16	0.50	µg/L	10.0	ND	81.6		70-130	2.30	30	
Tetrachloroethylene	9.45	1.0	µg/L	10.0	0.430	90.2		70-130	1.16	30	
Tetrahydrofuran	8.37	10	µg/L	10.0	ND	83.7		70-130	3.87	30	J
Toluene	8.83	1.0	µg/L	10.0	ND	88.3		70-130	1.48	30	
1,2,3-Trichlorobenzene	5.14	5.0	µg/L	10.0	ND	**51.4**	*	70-130	9.16	30	MS-07A
1,2,4-Trichlorobenzene	4.50	1.0	µg/L	10.0	ND	**45.0**	*	70-130	1.12	30	MS-09
1,3,5-Trichlorobenzene	6.31	1.0	µg/L	10.0	ND	**63.1**	*	70-130	4.49	30	MS-07A
1,1,1-Trichloroethane	9.14	1.0	µg/L	10.0	ND	91.4		70-130	0.990	30	
1,1,2-Trichloroethane	9.00	1.0	µg/L	10.0	ND	90.0		70-130	0.111	30	
Trichloroethylene	8.67	1.0	µg/L	10.0	ND	86.7		70-130	1.98	30	
Trichlorofluoromethane (Freon 11)	8.77	2.0	µg/L	10.0	ND	87.7		70-130	2.70	30	
1,2,3-Trichloropropane	8.32	2.0	µg/L	10.0	ND	83.2		70-130	0.240	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.43	1.0	µg/L	10.0	ND	94.3		70-130	0.950	30	
1,2,4-Trimethylbenzene	7.41	1.0	µg/L	10.0	ND	74.1		70-130	5.13	30	
1,3,5-Trimethylbenzene	7.44	1.0	µg/L	10.0	ND	74.4		70-130	1.07	30	
Vinyl Chloride	10.5	2.0	µg/L	10.0	ND	105		70-130	2.08	30	
m+p Xylene	14.6	2.0	µg/L	20.0	ND	72.8		70-130	0.0686	20	
o-Xylene	7.16	1.0	µg/L	10.0	ND	71.6		70-130	1.41	30	
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.6		70-130			
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.2		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Original run within hold with failing MS/MSD. Sample rerun past hold with MS/MSD.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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Minneapolis, MN 55414

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2362118

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	EA Engineering
Address:	269 W. Jefferson St., Syracuse NY 13202
Phone:	(478) 390-2213
Project Name:	South Shore Outdoor - Off-Site
Project Location:	Bay Shore, NY
Project Number:	1602533
Project Manager:	Kritika Thapa
Pace Analytical Quote Name/Number	CallOut ID 147379
Invoice Recipient:	northeastap@eaest.com
Sampled By:	Jeremy Fontaine

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	# of Containers
1	CLAR-DPT-1-35	7/10/23	1515		✓	GW	U	6	
2	CLAR-DPT-1-45	7/10/23	1555		✓	GW	U	2	
3	CLAR-DPT-1-55	7/10/23	1637		✓	GW	U	2	
4	DPT-DUP-1	7/10/23	—		✓	GW	U	2	
5	DPT-FB-1-10072023	7/10/23	1655		✓	W	C	2	
6	DPT-EQB-1-10072023	7/10/23	1700		✓	W	C	2	
7	CLAR-DPT-2-35	7/11/23	0850		✓	GW	U	2	
8	CLAR-DPT-2-45	7/11/23	0923		✓	GW	U	2	
9	CLAR-DPT-2-55	7/11/23	1020		✓	GW	U	2	
10	SAVE-DPT-3-40	7/11/23	1245		✓	GW	U	2	

24 H V

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = Water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)
KKS

Comments: Use CLAR-DPT-1-35 for MS/MSD.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Jeremy Fontaine	7/14/23 1230
Received by: (signature) 6.8°C (4)	7/14/23 12:30
Relinquished by: (signature) MS MA (AN)	7/14 1846
Received by: (signature) MS MA (AN)	7/14 2130
Relinquished by: (signature)	7/14 2100
Received by: (signature)	7/15 0040

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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23G 2118

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

See pg. 1

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: KHaga@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	20	H	V	# of Containers	[2] Preservation Code	[3] Container Code
11	SAVE-DPT-3-50	7/11/23	1335		✓	GW	U	2						
12	SAVE-DPT-2-35	7/11/23	1630		✓	GW	U	2						
13	SAVE-DPT-2-45	7/11/23	1705		✓	GW	U	2						
14	DPT-FB-2-11072023	7/11/23	1745		✓	W	C	2						
15	DPT-EQB-2-11072023	7/11/23	1750		✓	W	C	2						
16	ABI-DPT-1-35	7/12/23	1040		✓	GW	U	2						
17	ABI-DPT-1-45	7/12/23	1105		✓	GW	U	2						
18	DPT-FB-3-12072023	7/12/23	1130		✓	W	C	2						
19	ABI-DPT-2-35	7/12/23	1235		✓	GW	U	2						
20	ABI-DPT-2-45	7/12/23	1315		✓	GW	U	2						

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
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S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Lenny Morton	7/14/23 1230
Received by: (signature)	Date/Time: 7/14/23 12:30
Relinquished by: (signature) MSMA(AN)	Date/Time: 7/14 1816
Received by: (signature) MSMA(AN)	Date/Time: 7/14 2130
Relinquished by: (signature)	Date/Time: 7/14 2100
Received by: (signature)	Date/Time: 7/15 0040
	7/15 0330

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

AAL 7/15/23 0710

7-15-23 0930

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA engineering

Project ~~ss~~ Outdoor

MCP/RCP Required No

Deliverable Package Requirement No

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐ _____

Received By / Date / Time AMM 7/15/23 930

Back-Sheet By / Date / Time EL 7/15/23 2148

Temperature Method gun # 5

Temp < 6° C Actual Temperature 20

Rush Samples: Yes / (No) Notify _____

Short Hold: Yes / (No) Notify _____

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☑	☐
Received in Cooler	☐	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☒ 2
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Quaitrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics												VOA Vials						Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter			250mL		100mL	1 Liter			500mL		250mL																		
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact						
1																								6										
2																								2										
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July 26, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2119

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 7/26/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2119

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BEL-DPT-2-35	23G2119-01	Ground Water		SW-846 8260D	
BEL-DPT-2-45	23G2119-02	Ground Water		SW-846 8260D	
BEL-DPT-1-35	23G2119-03	Ground Water		SW-846 8260D	
BEL-DPT-1-45	23G2119-04	Ground Water		SW-846 8260D	
BEL-DPT-2-55	23G2119-05	Ground Water		SW-846 8260D	
BEL-DPT-1-55	23G2119-06	Ground Water		SW-846 8260D	
5AVE-DPT-1-40	23G2119-07	Ground Water		SW-846 8260D	
5AVE-DPT-1-50	23G2119-08	Ground Water		SW-846 8260D	
DPT-FB-4-13072023	23G2119-09	Field Blank		SW-846 8260D	
DPT-EQB-3-13072023	23G2119-10	Equipment Blank Water		SW-846 8260D	
DPT-DUP-2	23G2119-11	Ground Water		SW-846 8260D	
CW-01-130723	23G2119-12	Ground Water		SW-846 8260D	
MW-DUP-1-13072023	23G2119-13	Ground Water		SW-846 8260D	
FN-19-13072023	23G2119-14	Ground Water		SW-846 8260D	
VOC TRIP BLANK	23G2119-15	Trip Blank Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260D

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

Methyl Acetate
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

Naphthalene
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

tert-Butyl Alcohol (TBA)
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

trans-1,4-Dichloro-2-butene
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

MS-19

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

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane
23G2119-07[5AVE-DPT-1-40], B346727-MS1, B346727-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B346727-MS1

1,4-Dioxane
B346727-MS2

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

Carbon Tetrachloride
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

Naphthalene
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

tert-Butyl Alcohol (TBA)
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

trans-1,4-Dichloro-2-butene
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

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V-20

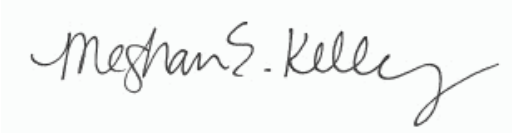
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

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



Meghan E. Kelley
Reporting Specialist

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-35 | Sampled: 7/13/2023 08:38

Sample ID: 23G2119-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.7	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Benzene	0.25	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-35 | Sampled: 7/13/2023 08:38

Sample ID: 23G2119-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Ethylbenzene	7.2	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Isopropylbenzene (Cumene)	0.23	1.0	0.15	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methylene Chloride	0.20	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
n-Propylbenzene	0.54	1.0	0.12	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Tetrachloroethylene	1.0	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Toluene	16	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,4-Trimethylbenzene	0.25	1.0	0.20	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
m+p Xylene	0.86	2.0	0.49	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
o-Xylene	0.59	1.0	0.24	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		7/21/23 18:33
Toluene-d8	98.3	70-130		7/21/23 18:33
4-Bromofluorobenzene	84.2	70-130		7/21/23 18:33

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-45 | Sampled: 7/13/2023 09:15

Sample ID: 23G2119-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-45 | Sampled: 7/13/2023 09:15

Sample ID: 23G2119-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Ethylbenzene	0.53	1.0	0.22	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Toluene	1.1	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/21/23 18:59
Toluene-d8	97.6	70-130		7/21/23 18:59
4-Bromofluorobenzene	81.7	70-130		7/21/23 18:59

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-35 | Sampled: 7/13/2023 11:20

Sample ID: 23G2119-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-35 | Sampled: 7/13/2023 11:20

Sample ID: 23G2119-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/21/23 19:26
Toluene-d8	97.5	70-130		7/21/23 19:26
4-Bromofluorobenzene	83.2	70-130		7/21/23 19:26

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-45 | Sampled: 7/13/2023 11:50

Sample ID: 23G2119-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Butyl Ethyl Ether (TBEE)	0.90	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1-Dichloroethane	1.4	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-45 | Sampled: 7/13/2023 11:50

Sample ID: 23G2119-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methyl tert-Butyl Ether (MTBE)	0.26	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Trichloroethylene	0.78	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 19:52
Toluene-d8	98.8	70-130		7/21/23 19:52
4-Bromofluorobenzene	83.0	70-130		7/21/23 19:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-55 | Sampled: 7/13/2023 10:00

Sample ID: 23G2119-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-55 | Sampled: 7/13/2023 10:00

Sample ID: 23G2119-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Ethylbenzene	0.41	1.0	0.22	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Toluene	0.71	1.0	0.22	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		7/21/23 20:19
Toluene-d8	97.2	70-130		7/21/23 20:19
4-Bromofluorobenzene	84.4	70-130		7/21/23 20:19

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-55 | Sampled: 7/13/2023 12:30

Sample ID: 23G2119-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.5	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1-Dichloroethane	1.5	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-55 | Sampled: 7/13/2023 12:30

Sample ID: 23G2119-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,1-Trichloroethane	1.5	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Trichloroethylene	0.90	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 20:45
Toluene-d8	98.4	70-130		7/21/23 20:45
4-Bromofluorobenzene	83.4	70-130		7/21/23 20:45

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2119-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.0	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1-Dichloroethane	13	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1-Dichloroethylene	0.53	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
cis-1,2-Dichloroethylene	0.26	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2119-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1	MS-07A	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Tetrachloroethylene	0.31	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,1-Trichloroethane	55	1.0	0.15	µg/L	1	MS-19	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Trichloroethylene	3.3	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/21/23 21:12
Toluene-d8	98.8	70-130		7/21/23 21:12
4-Bromofluorobenzene	85.2	70-130		7/21/23 21:12

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2119-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2119-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methylene Chloride	0.19	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/21/23 21:39
Toluene-d8	98.6	70-130		7/21/23 21:39
4-Bromofluorobenzene	84.0	70-130		7/21/23 21:39

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2119-09

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2119-09

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methylene Chloride	0.23	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/21/23 22:05
Toluene-d8	99.2	70-130		7/21/23 22:05
4-Bromofluorobenzene	86.8	70-130		7/21/23 22:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2119-10

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2119-10

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methylene Chloride	0.27	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.3	70-130		7/22/23 0:45
Toluene-d8	97.9	70-130		7/22/23 0:45
4-Bromofluorobenzene	86.6	70-130		7/22/23 0:45

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 22:32
Toluene-d8	98.9	70-130		7/21/23 22:32
4-Bromofluorobenzene	83.4	70-130		7/21/23 22:32

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: CW-01-130723 | Sampled: 7/13/2023 18:24

Sample ID: 23G2119-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: CW-01-130723 | Sampled: 7/13/2023 18:24

Sample ID: 23G2119-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,1-Trichloroethane	4.9	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Trichloroethylene	0.34	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 22:59
Toluene-d8	99.1	70-130		7/21/23 22:59
4-Bromofluorobenzene	82.8	70-130		7/21/23 22:59

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: MW-DUP-1-13072023 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: MW-DUP-1-13072023 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methylene Chloride	0.19	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,1-Trichloroethane	4.7	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Trichloroethylene	0.23	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 23:25
Toluene-d8	98.0	70-130		7/21/23 23:25
4-Bromofluorobenzene	83.2	70-130		7/21/23 23:25

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: FN-19-13072023 | Sampled: 7/13/2023 16:56

Sample ID: 23G2119-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1-Dichloroethane	2.8	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1-Dichloroethylene	0.21	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: FN-19-13072023 | Sampled: 7/13/2023 16:56

Sample ID: 23G2119-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1	MS-07A	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,1-Trichloroethane	17	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Trichloroethylene	1.1	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/21/23 23:52
Toluene-d8	98.1	70-130		7/21/23 23:52
4-Bromofluorobenzene	84.7	70-130		7/21/23 23:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: VOC TRIP BLANK | Sampled: 7/10/2023 15:15

Sample ID: 23G2119-15

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: VOC TRIP BLANK | Sampled: 7/10/2023 15:15

Sample ID: 23G2119-15

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methylene Chloride	0.23	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		7/21/23 17:39
Toluene-d8	96.1	70-130		7/21/23 17:39
4-Bromofluorobenzene	84.4	70-130		7/21/23 17:39

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Sample Extraction Data

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2119-01 [BEL-DPT-2-35]	B346727	5	5.00	07/21/23
23G2119-02 [BEL-DPT-2-45]	B346727	5	5.00	07/21/23
23G2119-03 [BEL-DPT-1-35]	B346727	5	5.00	07/21/23
23G2119-04 [BEL-DPT-1-45]	B346727	5	5.00	07/21/23
23G2119-05 [BEL-DPT-2-55]	B346727	5	5.00	07/21/23
23G2119-06 [BEL-DPT-1-55]	B346727	5	5.00	07/21/23
23G2119-07 [5AVE-DPT-1-40]	B346727	5	5.00	07/21/23
23G2119-08 [5AVE-DPT-1-50]	B346727	5	5.00	07/21/23
23G2119-09 [DPT-FB-4-13072023]	B346727	5	5.00	07/21/23
23G2119-10 [DPT-EQB-3-13072023]	B346727	5	5.00	07/21/23
23G2119-11 [DPT-DUP-2]	B346727	5	5.00	07/21/23
23G2119-12 [CW-01-130723]	B346727	5	5.00	07/21/23
23G2119-13 [MW-DUP-1-13072023]	B346727	5	5.00	07/21/23
23G2119-14 [FN-19-13072023]	B346727	5	5.00	07/21/23
23G2119-15 [VOC TRIP BLANK]	B346727	5	5.00	07/21/23

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B										
Blank (B346727-BLK1)				Prepared & Analyzed: 07/21/23						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
Blank (B346727-BLK1)				Prepared & Analyzed: 07/21/23							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.3	70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.1	70-130				
Surrogate: 4-Bromofluorobenzene	*21.1*		µg/L	25.0		84.4	70-130				
LCS (B346727-BS1)				Prepared & Analyzed: 07/21/23							
Acetone	84.6	50	µg/L	100		84.6	70-160				†
Acrylonitrile	9.48	5.0	µg/L	10.0		94.8	70-130				
tert-Amyl Methyl Ether (TAME)	8.60	0.50	µg/L	10.0		86.0	70-130				
Benzene	10.7	1.0	µg/L	10.0		107	70-130				
Bromobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130				
Bromoform	8.32	1.0	µg/L	10.0		83.2	70-130				
Bromomethane	13.0	2.0	µg/L	10.0		130	40-160			V-20	†
2-Butanone (MEK)	94.0	20	µg/L	100		94.0	40-160				†
tert-Butyl Alcohol (TBA)	71.0	20	µg/L	100		71.0	40-160			V-05	†
n-Butylbenzene	9.87	1.0	µg/L	10.0		98.7	70-130				
sec-Butylbenzene	9.40	1.0	µg/L	10.0		94.0	70-130				
tert-Butylbenzene	8.84	1.0	µg/L	10.0		88.4	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.24	0.50	µg/L	10.0		92.4	70-130				
Carbon Disulfide	98.9	5.0	µg/L	100		98.9	70-130				
Carbon Tetrachloride	8.27	5.0	µg/L	10.0		82.7	70-130			V-05	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130				
Chlorodibromomethane	9.54	0.50	µg/L	10.0		95.4	70-130				
Chloroethane	9.58	2.0	µg/L	10.0		95.8	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
LCS (B346727-BS1)				Prepared & Analyzed: 07/21/23							
Chloromethane	9.93	2.0	µg/L	10.0		99.3	40-160				†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130				
4-Chlorotoluene	9.97	1.0	µg/L	10.0		99.7	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.51	5.0	µg/L	10.0		75.1	70-130				
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130				
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,4-Dichloro-2-butene	8.08	2.0	µg/L	10.0		80.8	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	11.1	2.0	µg/L	10.0		111	40-160				†
1,1-Dichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130				
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130				
cis-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0		99.2	70-130				
trans-1,2-Dichloroethylene	9.40	1.0	µg/L	10.0		94.0	70-130				
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130				
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130				
2,2-Dichloropropane	9.69	1.0	µg/L	10.0		96.9	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130				
Diethyl Ether	9.47	2.0	µg/L	10.0		94.7	70-130				
Diisopropyl Ether (DIPE)	9.97	0.50	µg/L	10.0		99.7	70-130				
1,4-Dioxane	80.1	50	µg/L	100		80.1	40-130				†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Hexachlorobutadiene	11.7	0.60	µg/L	10.0		117	70-130				
2-Hexanone (MBK)	86.8	10	µg/L	100		86.8	70-160				†
Isopropylbenzene (Cumene)	9.16	1.0	µg/L	10.0		91.6	70-130				
p-Isopropyltoluene (p-Cymene)	9.37	1.0	µg/L	10.0		93.7	70-130				
Methyl Acetate	8.10	1.0	µg/L	10.0		81.0	70-130				
Methyl tert-Butyl Ether (MTBE)	8.73	1.0	µg/L	10.0		87.3	70-130				
Methyl Cyclohexane	11.4	1.0	µg/L	10.0		114	70-130				
Methylene Chloride	9.36	5.0	µg/L	10.0		93.6	70-130				
4-Methyl-2-pentanone (MIBK)	88.3	10	µg/L	100		88.3	70-160				†
Naphthalene	6.07	2.0	µg/L	10.0		60.7	40-130			V-05	†
n-Propylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130				
Styrene	9.58	1.0	µg/L	10.0		95.8	70-130				
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2,2-Tetrachloroethane	9.64	0.50	µg/L	10.0		96.4	70-130				
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
Tetrahydrofuran	9.48	10	µg/L	10.0		94.8	70-130			J	
Toluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2,3-Trichlorobenzene	8.22	5.0	µg/L	10.0		82.2	70-130				
1,2,4-Trichlorobenzene	7.79	1.0	µg/L	10.0		77.9	70-130			V-05	
1,3,5-Trichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130				
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.98	2.0	µg/L	10.0		99.8	70-130				
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
LCS (B346727-BS1)				Prepared & Analyzed: 07/21/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.42	1.0	µg/L	10.0		94.2	70-130				
1,3,5-Trimethylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130				
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160				†
m+p Xylene	19.9	2.0	µg/L	20.0		99.4	70-130				
o-Xylene	9.44	1.0	µg/L	10.0		94.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.2	70-130				
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.6	70-130				
LCS Dup (B346727-BSD1)				Prepared & Analyzed: 07/21/23							
Acetone	87.0	50	µg/L	100		87.0	70-160	2.75	25		†
Acrylonitrile	8.75	5.0	µg/L	10.0		87.5	70-130	8.01	25		
tert-Amyl Methyl Ether (TAME)	8.82	0.50	µg/L	10.0		88.2	70-130	2.53	25		
Benzene	10.6	1.0	µg/L	10.0		106	70-130	0.188	25		
Bromobenzene	9.52	1.0	µg/L	10.0		95.2	70-130	5.22	25		
Bromochloromethane	10.7	1.0	µg/L	10.0		107	70-130	0.742	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.13	25		
Bromoform	8.03	1.0	µg/L	10.0		80.3	70-130	3.55	25		
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160	2.29	25	V-20	†
2-Butanone (MEK)	97.2	20	µg/L	100		97.2	40-160	3.27	25		†
tert-Butyl Alcohol (TBA)	71.7	20	µg/L	100		71.7	40-160	0.995	25	V-05	†
n-Butylbenzene	9.42	1.0	µg/L	10.0		94.2	70-130	4.67	25		
sec-Butylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130	3.57	25		
tert-Butylbenzene	8.91	1.0	µg/L	10.0		89.1	70-130	0.789	25		
tert-Butyl Ethyl Ether (TBEE)	9.39	0.50	µg/L	10.0		93.9	70-130	1.61	25		
Carbon Disulfide	97.0	5.0	µg/L	100		97.0	70-130	1.93	25		
Carbon Tetrachloride	7.84	5.0	µg/L	10.0		78.4	70-130	5.34	25	V-05	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.41	25		
Chlorodibromomethane	9.26	0.50	µg/L	10.0		92.6	70-130	2.98	25		
Chloroethane	9.30	2.0	µg/L	10.0		93.0	70-130	2.97	25		
Chloroform	9.79	2.0	µg/L	10.0		97.9	70-130	4.10	25		
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160	3.37	25		†
2-Chlorotoluene	9.47	1.0	µg/L	10.0		94.7	70-130	8.59	25		
4-Chlorotoluene	9.22	1.0	µg/L	10.0		92.2	70-130	7.82	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.24	5.0	µg/L	10.0		82.4	70-130	9.27	25		
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130	1.57	25		
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130	3.50	25		
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.297	25		
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.585	25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.66	25		
trans-1,4-Dichloro-2-butene	7.59	2.0	µg/L	10.0		75.9	70-130	6.25	25	V-05	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160	1.73	25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.10	25		
1,2-Dichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	5.85	25		
1,1-Dichloroethylene	9.52	1.0	µg/L	10.0		95.2	70-130	1.77	25		
cis-1,2-Dichloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	1.42	25		
trans-1,2-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130	2.21	25		
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	3.28	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	0.196	25		
2,2-Dichloropropane	9.28	1.0	µg/L	10.0		92.8	40-130	4.32	25		†
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100	70-130	2.26	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
LCS Dup (B346727-BSD1)				Prepared & Analyzed: 07/21/23							
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.29	25		
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	0.891	25		
Diethyl Ether	9.45	2.0	µg/L	10.0		94.5	70-130	0.211	25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	1.69	25		
1,4-Dioxane	71.6	50	µg/L	100		71.6	40-130	11.3	50		† ‡
Ethylbenzene	9.47	1.0	µg/L	10.0		94.7	70-130	7.13	25		
Hexachlorobutadiene	11.9	0.60	µg/L	10.0		119	70-130	1.36	25		
2-Hexanone (MBK)	83.8	10	µg/L	100		83.8	70-160	3.53	25		†
Isopropylbenzene (Cumene)	8.88	1.0	µg/L	10.0		88.8	70-130	3.10	25		
p-Isopropyltoluene (p-Cymene)	9.18	1.0	µg/L	10.0		91.8	70-130	2.05	25		
Methyl Acetate	8.60	1.0	µg/L	10.0		86.0	70-130	5.99	25		
Methyl tert-Butyl Ether (MTBE)	8.94	1.0	µg/L	10.0		89.4	70-130	2.38	25		
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130	5.02	25		
Methylene Chloride	9.49	5.0	µg/L	10.0		94.9	70-130	1.38	25		
4-Methyl-2-pentanone (MIBK)	88.1	10	µg/L	100		88.1	70-160	0.204	25		†
Naphthalene	6.30	2.0	µg/L	10.0		63.0	40-130	3.72	25	V-05	†
n-Propylbenzene	8.88	1.0	µg/L	10.0		88.8	70-130	9.54	25		
Styrene	8.72	1.0	µg/L	10.0		87.2	70-130	9.40	25		
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.90	25		
1,1,2,2-Tetrachloroethane	9.09	0.50	µg/L	10.0		90.9	70-130	5.87	25		
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	7.15	25		
Tetrahydrofuran	9.69	10	µg/L	10.0		96.9	70-130	2.19	25	J	
Toluene	10.5	1.0	µg/L	10.0		105	70-130	2.55	25		
1,2,3-Trichlorobenzene	8.36	5.0	µg/L	10.0		83.6	70-130	1.69	25		
1,2,4-Trichlorobenzene	7.82	1.0	µg/L	10.0		78.2	70-130	0.384	25	V-05	
1,3,5-Trichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	1.12	25		
1,1,1-Trichloroethane	9.82	1.0	µg/L	10.0		98.2	70-130	5.54	25		
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.85	25		
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.956	25		
Trichlorofluoromethane (Freon 11)	9.56	2.0	µg/L	10.0		95.6	70-130	4.30	25		
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0		117	70-130	0.766	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130	2.99	25		
1,2,4-Trimethylbenzene	8.98	1.0	µg/L	10.0		89.8	70-130	4.78	25		
1,3,5-Trimethylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130	5.39	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	6.17	25		†
m+p Xylene	19.1	2.0	µg/L	20.0		95.4	70-130	4.16	25		
o-Xylene	8.73	1.0	µg/L	10.0		87.3	70-130	7.82	25		
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.9	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.6*		µg/L	25.0		90.4	70-130				
Matrix Spike (B346727-MS1)		**Source: 23G2119-07**		Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	75.3	50	µg/L	100	4.05	71.3	70-130				
Acrylonitrile	7.85	5.0	µg/L	10.0	ND	78.5	70-130				
tert-Amyl Methyl Ether (TAME)	7.30	0.50	µg/L	10.0	ND	73.0	70-130				
Benzene	9.66	1.0	µg/L	10.0	ND	96.6	70-130				
Bromobenzene	8.47	1.0	µg/L	10.0	ND	84.7	70-130				
Bromochloromethane	9.68	1.0	µg/L	10.0	ND	96.8	70-130				
Bromodichloromethane	9.38	0.50	µg/L	10.0	ND	93.8	70-130				
Bromoform	7.46	1.0	µg/L	10.0	ND	74.6	70-130				
Bromomethane	10.6	2.0	µg/L	10.0	ND	106	70-130			V-20	
2-Butanone (MEK)	85.5	20	µg/L	100	ND	85.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike (B346727-MS1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
tert-Butyl Alcohol (TBA)	63.7	20	µg/L	100	ND	**63.7**	*	70-130			MS-07A, V-05
n-Butylbenzene	8.02	1.0	µg/L	10.0	ND	80.2		70-130			
sec-Butylbenzene	8.03	1.0	µg/L	10.0	ND	80.3		70-130			
tert-Butylbenzene	7.73	1.0	µg/L	10.0	ND	77.3		70-130			
tert-Butyl Ethyl Ether (TBEE)	8.07	0.50	µg/L	10.0	ND	80.7		70-130			
Carbon Disulfide	89.8	5.0	µg/L	100	ND	89.8		70-130			
Carbon Tetrachloride	9.23	5.0	µg/L	10.0	ND	92.3		70-130			V-05
Chlorobenzene	9.22	1.0	µg/L	10.0	ND	92.2		70-130			
Chlorodibromomethane	8.69	0.50	µg/L	10.0	ND	86.9		70-130			
Chloroethane	8.29	2.0	µg/L	10.0	ND	82.9		70-130			
Chloroform	9.22	2.0	µg/L	10.0	ND	92.2		70-130			
Chloromethane	9.11	2.0	µg/L	10.0	ND	91.1		70-130			
2-Chlorotoluene	8.53	1.0	µg/L	10.0	ND	85.3		70-130			
4-Chlorotoluene	8.21	1.0	µg/L	10.0	ND	82.1		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.00	5.0	µg/L	10.0	ND	70.0		70-130			
1,2-Dibromoethane (EDB)	9.22	0.50	µg/L	10.0	ND	92.2		70-130			
Dibromomethane	9.25	1.0	µg/L	10.0	ND	92.5		70-130			
1,2-Dichlorobenzene	8.51	1.0	µg/L	10.0	ND	85.1		70-130			
1,3-Dichlorobenzene	8.73	1.0	µg/L	10.0	ND	87.3		70-130			
1,4-Dichlorobenzene	7.99	1.0	µg/L	10.0	ND	79.9		70-130			
trans-1,4-Dichloro-2-butene	5.56	2.0	µg/L	10.0	ND	**55.6**	*	70-130			MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0	ND	106		70-130			
1,1-Dichloroethane	22.1	1.0	µg/L	10.0	12.6	94.6		70-130			
1,2-Dichloroethane	9.13	1.0	µg/L	10.0	ND	91.3		70-130			
1,1-Dichloroethylene	9.44	1.0	µg/L	10.0	0.530	89.1		70-130			
cis-1,2-Dichloroethylene	8.93	1.0	µg/L	10.0	0.260	86.7		70-130			
trans-1,2-Dichloroethylene	8.53	1.0	µg/L	10.0	ND	85.3		70-130			
1,2-Dichloropropane	9.45	1.0	µg/L	10.0	ND	94.5		70-130			
1,3-Dichloropropane	9.10	0.50	µg/L	10.0	ND	91.0		70-130			
2,2-Dichloropropane	7.23	1.0	µg/L	10.0	ND	72.3		70-130			
1,1-Dichloropropene	9.08	2.0	µg/L	10.0	ND	90.8		70-130			
cis-1,3-Dichloropropene	8.51	0.50	µg/L	10.0	ND	85.1		70-130			
trans-1,3-Dichloropropene	8.58	0.50	µg/L	10.0	ND	85.8		70-130			
Diethyl Ether	8.41	2.0	µg/L	10.0	ND	84.1		70-130			
Diisopropyl Ether (DIPE)	8.63	0.50	µg/L	10.0	ND	86.3		70-130			
1,4-Dioxane	70.2	50	µg/L	100	ND	70.2		70-130			
Ethylbenzene	8.74	1.0	µg/L	10.0	ND	87.4		70-130			
Hexachlorobutadiene	9.09	0.60	µg/L	10.0	ND	90.9		70-130			
2-Hexanone (MBK)	77.4	10	µg/L	100	ND	77.4		70-130			
Isopropylbenzene (Cumene)	7.90	1.0	µg/L	10.0	ND	79.0		70-130			
p-Isopropyltoluene (p-Cymene)	7.93	1.0	µg/L	10.0	ND	79.3		70-130			
Methyl Acetate	5.94	1.0	µg/L	10.0	ND	**59.4**	*	70-130			MS-07A
Methyl tert-Butyl Ether (MTBE)	7.75	1.0	µg/L	10.0	ND	77.5		70-130			
Methyl Cyclohexane	9.70	1.0	µg/L	10.0	ND	97.0		70-130			
Methylene Chloride	8.44	5.0	µg/L	10.0	0.210	82.3		70-130			
4-Methyl-2-pentanone (MIBK)	79.6	10	µg/L	100	ND	79.6		70-130			
Naphthalene	4.58	2.0	µg/L	10.0	ND	**45.8**	*	70-130			MS-07A, V-05
n-Propylbenzene	8.05	1.0	µg/L	10.0	ND	80.5		70-130			
Styrene	7.39	1.0	µg/L	10.0	ND	73.9		70-130			
1,1,1,2-Tetrachloroethane	9.38	1.0	µg/L	10.0	ND	93.8		70-130			
1,1,2,2-Tetrachloroethane	8.82	0.50	µg/L	10.0	ND	88.2		70-130			
Tetrachloroethylene	9.81	1.0	µg/L	10.0	0.310	95.0		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike (B346727-MS1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
Tetrahydrofuran	7.94	10	µg/L	10.0	ND	79.4		70-130			J
Toluene	9.64	1.0	µg/L	10.0	ND	96.4		70-130			
1,2,3-Trichlorobenzene	6.31	5.0	µg/L	10.0	ND	**63.1**	*	70-130			MS-24
1,2,4-Trichlorobenzene	5.95	1.0	µg/L	10.0	ND	**59.5**	*	70-130			MS-07A, V-05
1,3,5-Trichlorobenzene	7.85	1.0	µg/L	10.0	ND	78.5		70-130			
1,1,1-Trichloroethane	72.0	1.0	µg/L	10.0	55.2	**169**	*	70-130			MS-19
1,1,2-Trichloroethane	9.51	1.0	µg/L	10.0	ND	95.1		70-130			
Trichloroethylene	13.6	1.0	µg/L	10.0	3.30	103		70-130			
Trichlorofluoromethane (Freon 11)	9.05	2.0	µg/L	10.0	ND	90.5		70-130			
1,2,3-Trichloropropane	9.88	2.0	µg/L	10.0	ND	98.8		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.29	1.0	µg/L	10.0	ND	92.9		70-130			
1,2,4-Trimethylbenzene	8.01	1.0	µg/L	10.0	ND	80.1		70-130			
1,3,5-Trimethylbenzene	8.23	1.0	µg/L	10.0	ND	82.3		70-130			
Vinyl Chloride	10.4	2.0	µg/L	10.0	ND	104		70-130			
m+p Xylene	17.0	2.0	µg/L	20.0	ND	85.0		70-130			
o-Xylene	7.90	1.0	µg/L	10.0	ND	79.0		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.6		70-130			
Surrogate: Toluene-d8	*26.4*		µg/L	25.0		106		70-130			
Surrogate: 4-Bromofluorobenzene	*23.0*		µg/L	25.0		91.9		70-130			
Matrix Spike (B346727-MS2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	74.4	50	µg/L	100	ND	74.4		70-130			
Acrylonitrile	7.71	5.0	µg/L	10.0	ND	77.1		70-130			
tert-Amyl Methyl Ether (TAME)	7.55	0.50	µg/L	10.0	ND	75.5		70-130			
Benzene	9.78	1.0	µg/L	10.0	ND	97.8		70-130			
Bromobenzene	8.83	1.0	µg/L	10.0	ND	88.3		70-130			
Bromochloromethane	9.97	1.0	µg/L	10.0	ND	99.7		70-130			
Bromodichloromethane	9.48	0.50	µg/L	10.0	ND	94.8		70-130			
Bromoform	7.23	1.0	µg/L	10.0	ND	72.3		70-130			
Bromomethane	11.4	2.0	µg/L	10.0	ND	114		70-130			V-20
2-Butanone (MEK)	82.8	20	µg/L	100	ND	82.8		70-130			
tert-Butyl Alcohol (TBA)	62.5	20	µg/L	100	ND	**62.5**	*	70-130			MS-07A, V-05
n-Butylbenzene	8.72	1.0	µg/L	10.0	ND	87.2		70-130			
sec-Butylbenzene	8.49	1.0	µg/L	10.0	ND	84.9		70-130			
tert-Butylbenzene	8.09	1.0	µg/L	10.0	ND	80.9		70-130			
tert-Butyl Ethyl Ether (TBEE)	8.07	0.50	µg/L	10.0	ND	80.7		70-130			
Carbon Disulfide	92.0	5.0	µg/L	100	ND	92.0		70-130			
Carbon Tetrachloride	8.77	5.0	µg/L	10.0	ND	87.7		70-130			V-05
Chlorobenzene	9.50	1.0	µg/L	10.0	ND	95.0		70-130			
Chlorodibromomethane	8.53	0.50	µg/L	10.0	ND	85.3		70-130			
Chloroethane	8.85	2.0	µg/L	10.0	ND	88.5		70-130			
Chloroform	9.26	2.0	µg/L	10.0	ND	92.6		70-130			
Chloromethane	9.43	2.0	µg/L	10.0	ND	94.3		70-130			
2-Chlorotoluene	8.41	1.0	µg/L	10.0	ND	84.1		70-130			
4-Chlorotoluene	8.50	1.0	µg/L	10.0	ND	85.0		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.24	5.0	µg/L	10.0	ND	72.4		70-130			
1,2-Dibromoethane (EDB)	9.12	0.50	µg/L	10.0	ND	91.2		70-130			
Dibromomethane	9.31	1.0	µg/L	10.0	ND	93.1		70-130			
1,2-Dichlorobenzene	9.09	1.0	µg/L	10.0	ND	90.9		70-130			
1,3-Dichlorobenzene	9.18	1.0	µg/L	10.0	ND	91.8		70-130			
1,4-Dichlorobenzene	9.20	1.0	µg/L	10.0	ND	92.0		70-130			
trans-1,4-Dichloro-2-butene	5.79	2.0	µg/L	10.0	ND	**57.9**	*	70-130			MS-07A, V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike (B346727-MS2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0	ND	109		70-130			
1,1-Dichloroethane	11.9	1.0	µg/L	10.0	2.75	91.6		70-130			
1,2-Dichloroethane	8.90	1.0	µg/L	10.0	ND	89.0		70-130			
1,1-Dichloroethylene	9.26	1.0	µg/L	10.0	0.210	90.5		70-130			
cis-1,2-Dichloroethylene	8.92	1.0	µg/L	10.0	ND	89.2		70-130			
trans-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0	ND	88.4		70-130			
1,2-Dichloropropane	9.81	1.0	µg/L	10.0	ND	98.1		70-130			
1,3-Dichloropropane	9.01	0.50	µg/L	10.0	ND	90.1		70-130			
2,2-Dichloropropane	7.40	1.0	µg/L	10.0	ND	74.0		70-130			
1,1-Dichloropropene	9.55	2.0	µg/L	10.0	ND	95.5		70-130			
cis-1,3-Dichloropropene	8.75	0.50	µg/L	10.0	ND	87.5		70-130			
trans-1,3-Dichloropropene	8.53	0.50	µg/L	10.0	ND	85.3		70-130			
Diethyl Ether	8.64	2.0	µg/L	10.0	ND	86.4		70-130			
Diisopropyl Ether (DIPE)	8.85	0.50	µg/L	10.0	ND	88.5		70-130			
1,4-Dioxane	69.2	50	µg/L	100	ND	**69.2**	*	70-130			MS-24
Ethylbenzene	9.09	1.0	µg/L	10.0	ND	90.9		70-130			
Hexachlorobutadiene	10.6	0.60	µg/L	10.0	ND	106		70-130			
2-Hexanone (MBK)	73.1	10	µg/L	100	ND	73.1		70-130			
Isopropylbenzene (Cumene)	8.22	1.0	µg/L	10.0	ND	82.2		70-130			
p-Isopropyltoluene (p-Cymene)	8.45	1.0	µg/L	10.0	ND	84.5		70-130			
Methyl Acetate	6.06	1.0	µg/L	10.0	ND	**60.6**	*	70-130			MS-07A
Methyl tert-Butyl Ether (MTBE)	7.86	1.0	µg/L	10.0	ND	78.6		70-130			
Methyl Cyclohexane	9.78	1.0	µg/L	10.0	ND	97.8		70-130			
Methylene Chloride	8.99	5.0	µg/L	10.0	0.220	87.7		70-130			
4-Methyl-2-pentanone (MIBK)	76.7	10	µg/L	100	ND	76.7		70-130			
Naphthalene	5.33	2.0	µg/L	10.0	ND	**53.3**	*	70-130			MS-07A, V-05
n-Propylbenzene	8.51	1.0	µg/L	10.0	ND	85.1		70-130			
Styrene	7.94	1.0	µg/L	10.0	ND	79.4		70-130			
1,1,1,2-Tetrachloroethane	9.34	1.0	µg/L	10.0	ND	93.4		70-130			
1,1,2,2-Tetrachloroethane	8.68	0.50	µg/L	10.0	ND	86.8		70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0	ND	103		70-130			
Tetrahydrofuran	7.97	10	µg/L	10.0	ND	79.7		70-130			J
Toluene	9.87	1.0	µg/L	10.0	ND	98.7		70-130			
1,2,3-Trichlorobenzene	7.12	5.0	µg/L	10.0	ND	71.2		70-130			
1,2,4-Trichlorobenzene	6.84	1.0	µg/L	10.0	ND	**68.4**	*	70-130			MS-07A, V-05
1,3,5-Trichlorobenzene	8.73	1.0	µg/L	10.0	ND	87.3		70-130			
1,1,1-Trichloroethane	26.3	1.0	µg/L	10.0	16.6	96.6		70-130			
1,1,2-Trichloroethane	9.44	1.0	µg/L	10.0	ND	94.4		70-130			
Trichloroethylene	10.8	1.0	µg/L	10.0	1.08	97.6		70-130			
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0	ND	92.3		70-130			
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0	ND	102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.56	1.0	µg/L	10.0	ND	95.6		70-130			
1,2,4-Trimethylbenzene	8.45	1.0	µg/L	10.0	ND	84.5		70-130			
1,3,5-Trimethylbenzene	8.60	1.0	µg/L	10.0	ND	86.0		70-130			
Vinyl Chloride	10.9	2.0	µg/L	10.0	ND	109		70-130			
m+p Xylene	17.6	2.0	µg/L	20.0	ND	88.2		70-130			
o-Xylene	8.17	1.0	µg/L	10.0	ND	81.7		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.6		70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*22.7*		µg/L	25.0		90.7		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike Dup (B346727-MSD1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	78.9	50	µg/L	100	4.05	74.8		70-130	4.64	30	
Acrylonitrile	7.76	5.0	µg/L	10.0	ND	77.6		70-130	1.15	30	
tert-Amyl Methyl Ether (TAME)	7.71	0.50	µg/L	10.0	ND	77.1		70-130	5.46	30	
Benzene	9.92	1.0	µg/L	10.0	ND	99.2		70-130	2.66	30	
Bromobenzene	8.63	1.0	µg/L	10.0	ND	86.3		70-130	1.87	30	
Bromochloromethane	10.2	1.0	µg/L	10.0	ND	102		70-130	5.13	30	
Bromodichloromethane	9.59	0.50	µg/L	10.0	ND	95.9		70-130	2.21	30	
Bromoform	7.28	1.0	µg/L	10.0	ND	72.8		70-130	2.44	30	
Bromomethane	10.4	2.0	µg/L	10.0	ND	104		70-130	2.67	30	V-20
2-Butanone (MEK)	85.9	20	µg/L	100	ND	85.9		70-130	0.467	30	
tert-Butyl Alcohol (TBA)	66.8	20	µg/L	100	ND	**66.8**	*	70-130	4.89	30	MS-07A, V-05
n-Butylbenzene	8.35	1.0	µg/L	10.0	ND	83.5		70-130	4.03	30	
sec-Butylbenzene	8.38	1.0	µg/L	10.0	ND	83.8		70-130	4.27	30	
tert-Butylbenzene	7.94	1.0	µg/L	10.0	ND	79.4		70-130	2.68	30	
tert-Butyl Ethyl Ether (TBEE)	8.23	0.50	µg/L	10.0	ND	82.3		70-130	1.96	30	
Carbon Disulfide	94.6	5.0	µg/L	100	ND	94.6		70-130	5.27	30	
Carbon Tetrachloride	9.87	5.0	µg/L	10.0	ND	98.7		70-130	6.70	30	V-05
Chlorobenzene	9.46	1.0	µg/L	10.0	ND	94.6		70-130	2.57	30	
Chlorodibromomethane	8.94	0.50	µg/L	10.0	ND	89.4		70-130	2.84	30	
Chloroethane	8.98	2.0	µg/L	10.0	ND	89.8		70-130	7.99	30	
Chloroform	9.57	2.0	µg/L	10.0	ND	95.7		70-130	3.73	30	
Chloromethane	9.34	2.0	µg/L	10.0	ND	93.4		70-130	2.49	30	
2-Chlorotoluene	8.53	1.0	µg/L	10.0	ND	85.3		70-130	0.00	30	
4-Chlorotoluene	8.62	1.0	µg/L	10.0	ND	86.2		70-130	4.87	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.29	5.0	µg/L	10.0	ND	72.9		70-130	4.06	30	
1,2-Dibromoethane (EDB)	9.08	0.50	µg/L	10.0	ND	90.8		70-130	1.53	30	
Dibromomethane	9.24	1.0	µg/L	10.0	ND	92.4		70-130	0.108	30	
1,2-Dichlorobenzene	9.01	1.0	µg/L	10.0	ND	90.1		70-130	5.71	30	
1,3-Dichlorobenzene	8.94	1.0	µg/L	10.0	ND	89.4		70-130	2.38	30	
1,4-Dichlorobenzene	9.27	1.0	µg/L	10.0	ND	92.7		70-130	14.8	30	
trans-1,4-Dichloro-2-butene	5.21	2.0	µg/L	10.0	ND	**52.1**	*	70-130	6.50	30	MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	11.1	2.0	µg/L	10.0	ND	111		70-130	4.42	30	
1,1-Dichloroethane	23.0	1.0	µg/L	10.0	12.6	104		70-130	4.09	30	
1,2-Dichloroethane	9.06	1.0	µg/L	10.0	ND	90.6		70-130	0.770	30	
1,1-Dichloroethylene	9.43	1.0	µg/L	10.0	0.530	89.0		70-130	0.106	30	
cis-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0	0.260	87.9		70-130	1.33	30	
trans-1,2-Dichloroethylene	9.06	1.0	µg/L	10.0	ND	90.6		70-130	6.03	30	
1,2-Dichloropropane	9.49	1.0	µg/L	10.0	ND	94.9		70-130	0.422	30	
1,3-Dichloropropane	9.10	0.50	µg/L	10.0	ND	91.0		70-130	0.00	30	
2,2-Dichloropropane	7.67	1.0	µg/L	10.0	ND	76.7		70-130	5.91	30	
1,1-Dichloropropene	9.61	2.0	µg/L	10.0	ND	96.1		70-130	5.67	30	
cis-1,3-Dichloropropene	8.55	0.50	µg/L	10.0	ND	85.5		70-130	0.469	30	
trans-1,3-Dichloropropene	8.55	0.50	µg/L	10.0	ND	85.5		70-130	0.350	30	
Diethyl Ether	8.60	2.0	µg/L	10.0	ND	86.0		70-130	2.23	30	
Diisopropyl Ether (DIPE)	8.96	0.50	µg/L	10.0	ND	89.6		70-130	3.75	30	
1,4-Dioxane	70.6	50	µg/L	100	ND	70.6		70-130	0.667	30	
Ethylbenzene	8.85	1.0	µg/L	10.0	ND	88.5		70-130	1.25	30	
Hexachlorobutadiene	9.52	0.60	µg/L	10.0	ND	95.2		70-130	4.62	30	
2-Hexanone (MBK)	80.5	10	µg/L	100	ND	80.5		70-130	4.00	30	
Isopropylbenzene (Cumene)	8.13	1.0	µg/L	10.0	ND	81.3		70-130	2.87	30	
p-Isopropyltoluene (p-Cymene)	8.37	1.0	µg/L	10.0	ND	83.7		70-130	5.40	30	
Methyl Acetate	5.98	1.0	µg/L	10.0	ND	**59.8**	*	70-130	0.671	30	MS-07A

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike Dup (B346727-MSD1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
Methyl tert-Butyl Ether (MTBE)	8.03	1.0	µg/L	10.0	ND	80.3		70-130	3.55	30	
Methyl Cyclohexane	9.61	1.0	µg/L	10.0	ND	96.1		70-130	0.932	30	
Methylene Chloride	9.08	5.0	µg/L	10.0	0.210	88.7		70-130	7.31	30	
4-Methyl-2-pentanone (MIBK)	79.2	10	µg/L	100	ND	79.2		70-130	0.579	30	
Naphthalene	5.19	2.0	µg/L	10.0	ND	**51.9**	*	70-130	12.5	30	MS-07A, V-05
n-Propylbenzene	8.39	1.0	µg/L	10.0	ND	83.9		70-130	4.14	30	
Styrene	7.78	1.0	µg/L	10.0	ND	77.8		70-130	5.14	30	
1,1,1,2-Tetrachloroethane	9.30	1.0	µg/L	10.0	ND	93.0		70-130	0.857	30	
1,1,2,2-Tetrachloroethane	8.47	0.50	µg/L	10.0	ND	84.7		70-130	4.05	30	
Tetrachloroethylene	9.93	1.0	µg/L	10.0	0.310	96.2		70-130	1.22	30	
Tetrahydrofuran	8.23	10	µg/L	10.0	ND	82.3		70-130	3.59	30	J
Toluene	9.91	1.0	µg/L	10.0	ND	99.1		70-130	2.76	30	
1,2,3-Trichlorobenzene	7.06	5.0	µg/L	10.0	ND	70.6		70-130	11.2	30	
1,2,4-Trichlorobenzene	6.37	1.0	µg/L	10.0	ND	**63.7**	*	70-130	6.82	30	MS-07A, V-05
1,3,5-Trichlorobenzene	8.00	1.0	µg/L	10.0	ND	80.0		70-130	1.89	30	
1,1,1-Trichloroethane	68.2	1.0	µg/L	10.0	55.2	**131**	*	70-130	5.41	30	MS-19
1,1,2-Trichloroethane	9.59	1.0	µg/L	10.0	ND	95.9		70-130	0.838	30	
Trichloroethylene	12.7	1.0	µg/L	10.0	3.30	94.3		70-130	6.53	30	
Trichlorofluoromethane (Freon 11)	9.10	2.0	µg/L	10.0	ND	91.0		70-130	0.551	30	
1,2,3-Trichloropropane	9.79	2.0	µg/L	10.0	ND	97.9		70-130	0.915	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70	1.0	µg/L	10.0	ND	97.0		70-130	4.32	30	
1,2,4-Trimethylbenzene	8.35	1.0	µg/L	10.0	ND	83.5		70-130	4.16	30	
1,3,5-Trimethylbenzene	8.30	1.0	µg/L	10.0	ND	83.0		70-130	0.847	30	
Vinyl Chloride	11.0	2.0	µg/L	10.0	ND	110		70-130	5.06	30	
m+p Xylene	17.5	2.0	µg/L	20.0	ND	87.5		70-130	2.96	20	
o-Xylene	8.19	1.0	µg/L	10.0	ND	81.9		70-130	3.60	30	
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.2		70-130			
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*22.5*		µg/L	25.0		90.0		70-130			
Matrix Spike Dup (B346727-MSD2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	76.7	50	µg/L	100	ND	76.7		70-130	3.11	30	
Acrylonitrile	8.36	5.0	µg/L	10.0	ND	83.6		70-130	8.09	30	
tert-Amyl Methyl Ether (TAME)	7.76	0.50	µg/L	10.0	ND	77.6		70-130	2.74	30	
Benzene	9.71	1.0	µg/L	10.0	ND	97.1		70-130	0.718	30	
Bromobenzene	8.80	1.0	µg/L	10.0	ND	88.0		70-130	0.340	30	
Bromochloromethane	9.90	1.0	µg/L	10.0	ND	99.0		70-130	0.705	30	
Bromodichloromethane	9.68	0.50	µg/L	10.0	ND	96.8		70-130	2.09	30	
Bromoform	7.32	1.0	µg/L	10.0	ND	73.2		70-130	1.24	30	
Bromomethane	12.0	2.0	µg/L	10.0	ND	120		70-130	5.64	30	V-20
2-Butanone (MEK)	85.1	20	µg/L	100	ND	85.1		70-130	2.73	30	
tert-Butyl Alcohol (TBA)	68.3	20	µg/L	100	ND	**68.3**	*	70-130	8.75	30	MS-07A, V-05
n-Butylbenzene	8.60	1.0	µg/L	10.0	ND	86.0		70-130	1.39	30	
sec-Butylbenzene	8.31	1.0	µg/L	10.0	ND	83.1		70-130	2.14	30	
tert-Butylbenzene	8.00	1.0	µg/L	10.0	ND	80.0		70-130	1.12	30	
tert-Butyl Ethyl Ether (TBEE)	8.24	0.50	µg/L	10.0	ND	82.4		70-130	2.08	30	
Carbon Disulfide	93.5	5.0	µg/L	100	ND	93.5		70-130	1.69	30	
Carbon Tetrachloride	8.11	5.0	µg/L	10.0	ND	81.1		70-130	7.82	30	V-05
Chlorobenzene	9.59	1.0	µg/L	10.0	ND	95.9		70-130	0.943	30	
Chlorodibromomethane	8.58	0.50	µg/L	10.0	ND	85.8		70-130	0.584	30	
Chloroethane	9.03	2.0	µg/L	10.0	ND	90.3		70-130	2.01	30	
Chloroform	9.38	2.0	µg/L	10.0	ND	93.8		70-130	1.29	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike Dup (B346727-MSD2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Chloromethane	10.2	2.0	µg/L	10.0	ND	102		70-130	8.04	30	
2-Chlorotoluene	8.85	1.0	µg/L	10.0	ND	88.5		70-130	5.10	30	
4-Chlorotoluene	8.72	1.0	µg/L	10.0	ND	87.2		70-130	2.56	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.18	5.0	µg/L	10.0	ND	71.8		70-130	0.832	30	
1,2-Dibromoethane (EDB)	9.47	0.50	µg/L	10.0	ND	94.7		70-130	3.77	30	
Dibromomethane	9.12	1.0	µg/L	10.0	ND	91.2		70-130	2.06	30	
1,2-Dichlorobenzene	9.02	1.0	µg/L	10.0	ND	90.2		70-130	0.773	30	
1,3-Dichlorobenzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130	0.760	30	
1,4-Dichlorobenzene	9.24	1.0	µg/L	10.0	ND	92.4		70-130	0.434	30	
trans-1,4-Dichloro-2-butene	6.19	2.0	µg/L	10.0	ND	**61.9**	*	70-130	6.68	30	MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0	ND	103		70-130	5.75	30	
1,1-Dichloroethane	12.2	1.0	µg/L	10.0	2.75	94.0		70-130	2.00	30	
1,2-Dichloroethane	9.09	1.0	µg/L	10.0	ND	90.9		70-130	2.11	30	
1,1-Dichloroethylene	9.35	1.0	µg/L	10.0	0.210	91.4		70-130	0.967	30	
cis-1,2-Dichloroethylene	8.95	1.0	µg/L	10.0	ND	89.5		70-130	0.336	30	
trans-1,2-Dichloroethylene	8.90	1.0	µg/L	10.0	ND	89.0		70-130	0.676	30	
1,2-Dichloropropane	9.86	1.0	µg/L	10.0	ND	98.6		70-130	0.508	30	
1,3-Dichloropropane	9.12	0.50	µg/L	10.0	ND	91.2		70-130	1.21	30	
2,2-Dichloropropane	7.51	1.0	µg/L	10.0	ND	75.1		70-130	1.48	30	
1,1-Dichloropropene	9.43	2.0	µg/L	10.0	ND	94.3		70-130	1.26	30	
cis-1,3-Dichloropropene	8.82	0.50	µg/L	10.0	ND	88.2		70-130	0.797	30	
trans-1,3-Dichloropropene	8.68	0.50	µg/L	10.0	ND	86.8		70-130	1.74	30	
Diethyl Ether	8.63	2.0	µg/L	10.0	ND	86.3		70-130	0.116	30	
Diisopropyl Ether (DIPE)	9.01	0.50	µg/L	10.0	ND	90.1		70-130	1.79	30	
1,4-Dioxane	77.2	50	µg/L	100	ND	77.2		70-130	10.9	30	
Ethylbenzene	9.05	1.0	µg/L	10.0	ND	90.5		70-130	0.441	30	
Hexachlorobutadiene	10.2	0.60	µg/L	10.0	ND	102		70-130	4.24	30	
2-Hexanone (MBK)	80.5	10	µg/L	100	ND	80.5		70-130	9.62	30	
Isopropylbenzene (Cumene)	8.42	1.0	µg/L	10.0	ND	84.2		70-130	2.40	30	
p-Isopropyltoluene (p-Cymene)	8.31	1.0	µg/L	10.0	ND	83.1		70-130	1.67	30	
Methyl Acetate	6.22	1.0	µg/L	10.0	ND	**62.2**	*	70-130	2.61	30	MS-07A
Methyl tert-Butyl Ether (MTBE)	8.02	1.0	µg/L	10.0	ND	80.2		70-130	2.02	30	
Methyl Cyclohexane	9.41	1.0	µg/L	10.0	ND	94.1		70-130	3.86	30	
Methylene Chloride	9.05	5.0	µg/L	10.0	0.220	88.3		70-130	0.665	30	
4-Methyl-2-pentanone (MIBK)	80.2	10	µg/L	100	ND	80.2		70-130	4.49	30	
Naphthalene	5.33	2.0	µg/L	10.0	ND	**53.3**	*	70-130	0.00	30	MS-07A, V-05
n-Propylbenzene	8.47	1.0	µg/L	10.0	ND	84.7		70-130	0.471	30	
Styrene	7.92	1.0	µg/L	10.0	ND	79.2		70-130	0.252	30	
1,1,1,2-Tetrachloroethane	9.29	1.0	µg/L	10.0	ND	92.9		70-130	0.537	30	
1,1,2,2-Tetrachloroethane	8.58	0.50	µg/L	10.0	ND	85.8		70-130	1.16	30	
Tetrachloroethylene	10.2	1.0	µg/L	10.0	ND	102		70-130	0.974	30	
Tetrahydrofuran	8.15	10	µg/L	10.0	ND	81.5		70-130	2.23	30	J
Toluene	9.79	1.0	µg/L	10.0	ND	97.9		70-130	0.814	30	
1,2,3-Trichlorobenzene	7.13	5.0	µg/L	10.0	ND	71.3		70-130	0.140	30	
1,2,4-Trichlorobenzene	6.65	1.0	µg/L	10.0	ND	**66.5**	*	70-130	2.82	30	MS-07A, V-05
1,3,5-Trichlorobenzene	8.53	1.0	µg/L	10.0	ND	85.3		70-130	2.32	30	
1,1,1-Trichloroethane	26.1	1.0	µg/L	10.0	16.6	94.6		70-130	0.763	30	
1,1,2-Trichloroethane	9.32	1.0	µg/L	10.0	ND	93.2		70-130	1.28	30	
Trichloroethylene	10.9	1.0	µg/L	10.0	1.08	97.8		70-130	0.184	30	
Trichlorofluoromethane (Freon 11)	8.83	2.0	µg/L	10.0	ND	88.3		70-130	4.43	30	
1,2,3-Trichloropropane	9.84	2.0	µg/L	10.0	ND	98.4		70-130	4.08	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B										
Matrix Spike Dup (B346727-MSD2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.82	1.0	µg/L	10.0	ND	88.2	70-130	8.05	30	
1,2,4-Trimethylbenzene	8.31	1.0	µg/L	10.0	ND	83.1	70-130	1.67	30	
1,3,5-Trimethylbenzene	8.63	1.0	µg/L	10.0	ND	86.3	70-130	0.348	30	
Vinyl Chloride	11.1	2.0	µg/L	10.0	ND	111	70-130	1.27	30	
m+p Xylene	17.6	2.0	µg/L	20.0	ND	88.2	70-130	0.113	20	
o-Xylene	8.26	1.0	µg/L	10.0	ND	82.6	70-130	1.10	30	
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.2	70-130			
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*22.4*		µg/L	25.0		89.8	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

1800 Elm Street SE
Minneapolis, MN 55414

23G2119

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager: See Pg. 1
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	24 H V VOCs 8260D	# of Containers	Preservation Code	Container Code
1	BEL-DPT-2-35	7/13/23	0838		✓	GW	U		2		
2	BEL-DPT-2-45	7/13/23	0915		✓	GW	U		2		
3	BEL-DPT-1-35	7/13/23	1120		✓	GW	U		2		
4	BEL-DPT-1-45	7/13/23	1150		✓	GW	U		2		
5	BEL-DPT-2-55	7/13/23	1000		✓	GW	U		2		
6	BEL-DPT-1-55	7/13/23	1230		✓	GW	U		2		
7	SAVE-DPT-1-40	7/13/23	1520		✓	GW	U		6		
8	SAVE-DPT-1-50	7/13/23	1620		✓	GW	U		2		
9	DPT-FB-4-13072023	7/13/23	1700		✓	W	C		2		
10	DPT-EQB-3-13072023	7/13/23	1705		✓	W	C		2		

ANALYSIS REQUESTED

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments: Use SAVE-DPT-1-40 for MS/MSD.

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = Water

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/14/23 1230	
Received by: (signature) 6.8°C (C)	Date/Time: 7/14/23 12:30	
Relinquished by: (signature) MSMA(AN)	Date/Time: 7/14 1816	
Received by: (signature) MSMA(AN)	Date/Time: 7/14 2130	
Relinquished by: (signature)	Date/Time: 7/14 2180	
Received by: (signature)	Date/Time: 7/15 0040	
	7/15 0330	

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

0°C 7-15-23 0930

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23G2119

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

See pg. 1

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: K.thorpe@eaestrom
Fax To #:

ANALYSIS REQUESTED

VOCs 8260D

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers
11	DPT-DUP-2	7/13/23	—		✓	GW	U	2
12	CW-01-130723	7/13/23	1824		✓	GW	U	2
13	MW-DUP-1-13072023	7/13/23	—		✓	GW	U	2
14	FN-19-13072023	7/13/23	1656		✓	GW	U	6
15	VOC Trip Blank	6/26/23			✓	W	C	2
16								

Comments:
Use FN-19-13072023 for MS/MSD.
Client has indicated that the correct date and time for Sample-15 should be 7/10 @ 15:15.
KKS 7/18/23

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Relinquished by: (signature)	Date/Time: 7/14/23 1230	
Received by: (signature)	Date/Time: 7/14/23 12:30	6.8°C (W)
Relinquished by: (signature)	Date/Time: 7/14 18:16	
Received by: (signature)	Date/Time: 7/14 2130	
Relinquished by: (signature)	Date/Time: 7/14 2130	
Received by: (signature)	Date/Time: 7/15 0040	
	7/15 0330	

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA engineering

Project ss outdoor

MCP/RCP Required No

Deliverable Package Requirement No

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AMM 7/15/23 930

Back-Sheet By / Date / Time EE 7/15/23 2148

Temperature Method gun # 5

Temp < 6° C Actual Temperature 20

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Sample	Soils Jars (Circle Amb/Clear)				Ambers					Plastics										VOA Vials					Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter Unpreserved	1 Liter HCL	1 Liter Sulfuric	250mL Sulfuric	250mL Phosphoric	250mL HCl	100mL Unpreserved	1 Liter Unpreserved	1 Liter Sulfuric	500mL Unpreserved	500mL Sulfuric	250mL Unpreserved	250mL Trizma	250mL Sulfuric	250mL Nitric	250mL NaOH	250mL Ammonium Acetate	250mL NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact			
1																								2						
2																								2						
3																								2						
4																								2						
5																								2						
6																								2						
7																								6						
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18																														
19																														
20																														

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August 4, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2141

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/4/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2141

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-3-40	23G2141-01	Ground Water		Draft Method 1633	
5AVE-DPT-3-50	23G2141-02	Ground Water		Draft Method 1633	
5AVE-DPT-2-35	23G2141-03	Ground Water		Draft Method 1633	
5AVE-DPT-2-45	23G2141-04	Ground Water		Draft Method 1633	
DPT-FB-2-11072023	23G2141-05	Field Blank		Draft Method 1633	
DPT-EQB-2-11072023	23G2141-06	Ground Water		Draft Method 1633	
5AVE-DPT-1-40	23G2141-07	Ground Water		Draft Method 1633	
5AVE-DPT-1-50	23G2141-08	Ground Water		Draft Method 1633	
DPT-FB-4-13072023	23G2141-09	Field Blank		Draft Method 1633	
DPT-EQB-3-13072023	23G2141-10	Equipment Blank Water		Draft Method 1633	
DPT-DUP-2	23G2141-11	Ground Water		Draft Method 1633	

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CASE NARRATIVE SUMMARY

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

Draft Method 1633

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids

23G2141-01[5AVE-DPT-3-40], 23G2141-02[5AVE-DPT-3-50], 23G2141-03[5AVE-DPT-2-35], 23G2141-04[5AVE-DPT-2-45], 23G2141-07[5AVE-DPT-1-40], 23G2141-08[5AVE-DPT-1-50], 23G2141-11[DPT-DUP-2]

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



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2141-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoropentanoic acid (PFPeA)	ND	40	6.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorohexanoic acid (PFHxA)	ND	20	4.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoroheptanoic acid (PFHpA)	ND	20	5.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorooctanoic acid (PFOA)	10	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorohexanesulfonic acid (PFHxS)	4.3	20	4.1	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorooctanesulfonic acid (PFOS)	18	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-EtFOSAA (NEtFOSAA)	ND	20	4.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2141-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	83.8	10-130		7/28/23 18:49
13C5-PFPeA	81.5	35-150		7/28/23 18:49
13C5-PFHxA	83.5	55-150		7/28/23 18:49
13C4-PFHpA	82.0	55-150		7/28/23 18:49
13C8-PFOA	82.4	60-140		7/28/23 18:49
13C9-PFNA	83.5	55-140		7/28/23 18:49
13C6-PFDA	83.7	50-140		7/28/23 18:49
13C7-PFUnA	86.9	30-140		7/28/23 18:49
13C2-PFDoA	80.1	10-150		7/28/23 18:49
13C2-PFTeDA	78.1	10-130		7/28/23 18:49
13C3-PFBS	82.8	55-150		7/28/23 18:49
13C3-PFHxS	83.9	55-150		7/28/23 18:49
13C8-PFOS	84.4	45-140		7/28/23 18:49
13C2-4:2FTS	69.5	60-200		7/28/23 18:49
13C2-6:2FTS	74.8	60-200		7/28/23 18:49
13C2-8:2FTS	72.7	50-200		7/28/23 18:49
13C8-PFOSA	77.1	30-130		7/28/23 18:49
D3-NMeFOSA	60.5	15-130		7/28/23 18:49
D5-NEtFOSA	61.6	10-130		7/28/23 18:49
D3-NMeFOSAA	83.9	45-200		7/28/23 18:49
D5-NEtFOSAA	78.2	10-200		7/28/23 18:49
D7-NMeFOSE	74.1	10-150		7/28/23 18:49
D9-NEtFOSE	72.5	10-150		7/28/23 18:49
13C3-HFPO-DA	85.2	25-160		7/28/23 18:49

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2141-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1700	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2141-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	200	73	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoropentanoic acid (PFPeA)	20	100	17	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorohexanoic acid (PFHxA)	12	50	11	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoroheptanoic acid (PFHpA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorooctanoic acid (PFOA)	31	50	11	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorononanoic acid (PFNA)	ND	50	9.6	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorodecanoic acid (PFDA)	ND	50	9.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoroundecanoic acid (PFUnA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorododecanoic acid (PFDoA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	50	12	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	50	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorooctanesulfonic acid (PFOS)	23	50	16	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorononanesulfonic acid (PFNS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	50	16	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	200	35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	200	54	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	50	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-MeFOSAA (NMeFOSAA)	ND	50	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-EtFOSAA (NEtFOSAA)	ND	50	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	500	130	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	500	120	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	200	52	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	200	34	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
9Cl-PF3ONS (F53B Minor)	ND	200	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
11Cl-PF3OUdS (F53B Major)	ND	200	48	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	500	90	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	2500	510	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	2500	440	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	100	24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	100	25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2141-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	100	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	100	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	85.3	10-130		7/28/23 19:05
13C5-PFPeA	82.6	35-150		7/28/23 19:05
13C5-PFHxA	82.7	55-150		7/28/23 19:05
13C4-PFHpA	82.3	55-150		7/28/23 19:05
13C8-PFOA	85.6	60-140		7/28/23 19:05
13C9-PFNA	80.6	55-140		7/28/23 19:05
13C6-PFDA	88.7	50-140		7/28/23 19:05
13C7-PFUnA	87.1	30-140		7/28/23 19:05
13C2-PFDoA	81.9	10-150		7/28/23 19:05
13C2-PFTeDA	80.3	10-130		7/28/23 19:05
13C3-PFBS	85.5	55-150		7/28/23 19:05
13C3-PFHxS	87.9	55-150		7/28/23 19:05
13C8-PFOS	83.4	45-140		7/28/23 19:05
13C2-4:2FTS	69.9	60-200		7/28/23 19:05
13C2-6:2FTS	82.5	60-200		7/28/23 19:05
13C2-8:2FTS	78.5	50-200		7/28/23 19:05
13C8-PFOSA	76.5	30-130		7/28/23 19:05
D3-NMeFOSA	58.2	15-130		7/28/23 19:05
D5-NEtFOSA	59.9	10-130		7/28/23 19:05
D3-NMeFOSAA	81.7	45-200		7/28/23 19:05
D5-NEtFOSAA	80.6	10-200		7/28/23 19:05
D7-NMeFOSE	73.5	10-150		7/28/23 19:05
D9-NEtFOSE	73.2	10-150		7/28/23 19:05
13C3-HFPO-DA	83.3	25-160		7/28/23 19:05

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2141-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	3200	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2141-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoropentanoic acid (PFPeA)	7.7	40	6.9	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorohexanoic acid (PFHxA)	ND	20	4.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoroheptanoic acid (PFHpA)	ND	20	5.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorooctanoic acid (PFOA)	5.1	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	20	4.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorooctanesulfonic acid (PFOS)	19	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-EtFOSAA (NEtFOSAA)	ND	20	4.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2141-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	96.2	10-130		7/28/23 19:20
13C5-PFPeA	96.5	35-150		7/28/23 19:20
13C5-PFHxA	95.4	55-150		7/28/23 19:20
13C4-PFHpA	94.1	55-150		7/28/23 19:20
13C8-PFOA	91.4	60-140		7/28/23 19:20
13C9-PFNA	95.1	55-140		7/28/23 19:20
13C6-PFDA	101	50-140		7/28/23 19:20
13C7-PFUnA	102	30-140		7/28/23 19:20
13C2-PFDoA	97.3	10-150		7/28/23 19:20
13C2-PFTeDA	96.3	10-130		7/28/23 19:20
13C3-PFBS	94.6	55-150		7/28/23 19:20
13C3-PFHxS	97.0	55-150		7/28/23 19:20
13C8-PFOS	96.4	45-140		7/28/23 19:20
13C2-4:2FTS	77.7	60-200		7/28/23 19:20
13C2-6:2FTS	93.2	60-200		7/28/23 19:20
13C2-8:2FTS	87.4	50-200		7/28/23 19:20
13C8-PFOSA	88.4	30-130		7/28/23 19:20
D3-NMeFOSA	75.0	15-130		7/28/23 19:20
D5-NEtFOSA	75.0	10-130		7/28/23 19:20
D3-NMeFOSAA	94.1	45-200		7/28/23 19:20
D5-NEtFOSAA	93.2	10-200		7/28/23 19:20
D7-NMeFOSE	87.2	10-150		7/28/23 19:20
D9-NEtFOSE	84.3	10-150		7/28/23 19:20
13C3-HFPO-DA	98.8	25-160		7/28/23 19:20

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2141-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1400	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2141-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	200	73	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoropentanoic acid (PFPeA)	ND	100	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorohexanoic acid (PFHxA)	ND	50	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoroheptanoic acid (PFHpA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorooctanoic acid (PFOA)	15	50	11	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorononanoic acid (PFNA)	ND	50	9.6	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorodecanoic acid (PFDA)	ND	50	9.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoroundecanoic acid (PFUnA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorododecanoic acid (PFDoA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	50	12	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	50	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorooctanesulfonic acid (PFOS)	17	50	16	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorononanesulfonic acid (PFNS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	50	16	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	200	35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	200	54	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	50	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-MeFOSAA (NMeFOSAA)	ND	50	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-EtFOSAA (NEtFOSAA)	ND	50	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	500	130	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	500	120	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	200	52	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	200	34	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
9Cl-PF3ONS (F53B Minor)	ND	200	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
11Cl-PF3OUdS (F53B Major)	ND	200	48	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	500	90	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	2500	510	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	2500	440	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	100	24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	100	25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2141-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	100	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	100	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	80.3	10-130		7/28/23 19:36
13C5-PFPeA	79.2	35-150		7/28/23 19:36
13C5-PFHxA	79.1	55-150		7/28/23 19:36
13C4-PFHpA	76.8	55-150		7/28/23 19:36
13C8-PFOA	76.1	60-140		7/28/23 19:36
13C9-PFNA	78.0	55-140		7/28/23 19:36
13C6-PFDA	76.1	50-140		7/28/23 19:36
13C7-PFUnA	74.8	30-140		7/28/23 19:36
13C2-PFDoA	70.7	10-150		7/28/23 19:36
13C2-PFTeDA	68.6	10-130		7/28/23 19:36
13C3-PFBS	80.6	55-150		7/28/23 19:36
13C3-PFHxS	77.8	55-150		7/28/23 19:36
13C8-PFOS	76.4	45-140		7/28/23 19:36
13C2-4:2FTS	64.5	60-200		7/28/23 19:36
13C2-6:2FTS	78.2	60-200		7/28/23 19:36
13C2-8:2FTS	74.7	50-200		7/28/23 19:36
13C8-PFOSA	69.0	30-130		7/28/23 19:36
D3-NMeFOSA	58.6	15-130		7/28/23 19:36
D5-NEtFOSA	61.8	10-130		7/28/23 19:36
D3-NMeFOSAA	72.8	45-200		7/28/23 19:36
D5-NEtFOSAA	69.2	10-200		7/28/23 19:36
D7-NMeFOSE	69.6	10-150		7/28/23 19:36
D9-NEtFOSE	66.4	10-150		7/28/23 19:36
13C3-HFPO-DA	83.5	25-160		7/28/23 19:36

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2141-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	5200	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2141-05

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.1	1.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.1	0.71	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.1	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.42	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.45	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	0.70	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.1	0.87	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.1	0.99	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	51	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	51	9.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.51	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2141-05

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.41	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.88	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	90.1	10-130		7/28/23 19:52
13C5-PFPeA	90.4	35-150		7/28/23 19:52
13C5-PFHxA	91.4	55-150		7/28/23 19:52
13C4-PFHpA	87.3	55-150		7/28/23 19:52
13C8-PFOA	87.2	60-140		7/28/23 19:52
13C9-PFNA	90.8	55-140		7/28/23 19:52
13C6-PFDA	89.0	50-140		7/28/23 19:52
13C7-PFUnA	85.8	30-140		7/28/23 19:52
13C2-PFDoA	85.9	10-150		7/28/23 19:52
13C2-PFTeDA	82.8	10-130		7/28/23 19:52
13C3-PFBS	91.8	55-150		7/28/23 19:52
13C3-PFHxS	91.0	55-150		7/28/23 19:52
13C8-PFOS	93.6	45-140		7/28/23 19:52
13C2-4:2FTS	73.5	60-200		7/28/23 19:52
13C2-6:2FTS	91.9	60-200		7/28/23 19:52
13C2-8:2FTS	89.1	50-200		7/28/23 19:52
13C8-PFOSA	81.1	30-130		7/28/23 19:52
D3-NMeFOSA	61.7	15-130		7/28/23 19:52
D5-NEtFOSA	66.5	10-130		7/28/23 19:52
D3-NMeFOSAA	91.2	45-200		7/28/23 19:52
D5-NEtFOSAA	87.3	10-200		7/28/23 19:52
D7-NMeFOSE	77.6	10-150		7/28/23 19:52
D9-NEtFOSE	75.0	10-150		7/28/23 19:52
13C3-HFPO-DA	94.0	25-160		7/28/23 19:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2141-05

Sample Matrix: Field Blank

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2141-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.8	1.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.95	0.20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.95	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorooctanoic acid (PFOA)	ND	0.95	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorononanoic acid (PFNA)	ND	0.95	0.18	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorodecanoic acid (PFDA)	ND	0.95	0.18	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.95	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.95	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.95	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.95	0.20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.95	0.29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.95	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.66	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	0.94	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.95	0.29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.95	0.39	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	0.29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.95	0.42	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.95	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.5	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	2.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.99	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.65	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.81	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	0.92	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	1.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	9.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	8.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2141-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.38	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.82	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	87.3	10-130		7/28/23 20:07
13C5-PFPeA	87.1	35-150		7/28/23 20:07
13C5-PFHxA	85.9	55-150		7/28/23 20:07
13C4-PFHpA	82.7	55-150		7/28/23 20:07
13C8-PFOA	82.0	60-140		7/28/23 20:07
13C9-PFNA	86.2	55-140		7/28/23 20:07
13C6-PFDA	84.7	50-140		7/28/23 20:07
13C7-PFUnA	84.6	30-140		7/28/23 20:07
13C2-PFDoA	80.9	10-150		7/28/23 20:07
13C2-PFTeDA	78.6	10-130		7/28/23 20:07
13C3-PFBS	85.3	55-150		7/28/23 20:07
13C3-PFHxS	86.8	55-150		7/28/23 20:07
13C8-PFOS	85.0	45-140		7/28/23 20:07
13C2-4:2FTS	69.1	60-200		7/28/23 20:07
13C2-6:2FTS	85.0	60-200		7/28/23 20:07
13C2-8:2FTS	80.7	50-200		7/28/23 20:07
13C8-PFOSA	73.8	30-130		7/28/23 20:07
D3-NMeFOSA	60.8	15-130		7/28/23 20:07
D5-NEtFOSA	62.6	10-130		7/28/23 20:07
D3-NMeFOSAA	83.3	45-200		7/28/23 20:07
D5-NEtFOSAA	79.9	10-200		7/28/23 20:07
D7-NMeFOSE	72.6	10-150		7/28/23 20:07
D9-NEtFOSE	71.3	10-150		7/28/23 20:07
13C3-HFPO-DA	87.2	25-160		7/28/23 20:07

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2141-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2141-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	42	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoropentanoic acid (PFPeA)	14	21	3.7	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorohexanoic acid (PFHxA)	13	11	2.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoroheptanoic acid (PFHpA)	7.7	11	2.7	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorooctanoic acid (PFOA)	22	11	2.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorononanoic acid (PFNA)	ND	11	2.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorodecanoic acid (PFDA)	2.4	11	2.0	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoroundecanoic acid (PFUnA)	ND	11	2.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorododecanoic acid (PFDoA)	ND	11	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	11	2.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	11	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorobutanesulfonic acid (PFBS)	3.5	11	2.8	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	11	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.2	11	2.2	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	11	3.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorooctanesulfonic acid (PFOS)	53	11	3.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorononanesulfonic acid (PFNS)	ND	11	3.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	11	3.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	11	2.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	42	7.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	42	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	42	12	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	11	3.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	11	4.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	11	3.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-MeFOSAA (NMeFOSAA)	ND	11	4.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-EtFOSAA (NEtFOSAA)	10	11	2.3	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	110	28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	110	26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	42	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	42	7.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
9Cl-PF3ONS (F53B Minor)	ND	42	9.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
11Cl-PF3OUdS (F53B Major)	ND	42	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	110	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	530	110	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	530	93	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	21	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	21	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2141-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	21	4.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	21	9.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	86.9	10-130		7/28/23 20:23
13C5-PFPeA	88.6	35-150		7/28/23 20:23
13C5-PFHxA	88.0	55-150		7/28/23 20:23
13C4-PFHpA	84.6	55-150		7/28/23 20:23
13C8-PFOA	85.6	60-140		7/28/23 20:23
13C9-PFNA	84.7	55-140		7/28/23 20:23
13C6-PFDA	82.5	50-140		7/28/23 20:23
13C7-PFUnA	84.3	30-140		7/28/23 20:23
13C2-PFDoA	82.0	10-150		7/28/23 20:23
13C2-PFTeDA	75.8	10-130		7/28/23 20:23
13C3-PFBS	84.6	55-150		7/28/23 20:23
13C3-PFHxS	88.5	55-150		7/28/23 20:23
13C8-PFOS	86.9	45-140		7/28/23 20:23
13C2-4:2FTS	70.7	60-200		7/28/23 20:23
13C2-6:2FTS	81.3	60-200		7/28/23 20:23
13C2-8:2FTS	78.6	50-200		7/28/23 20:23
13C8-PFOSA	78.1	30-130		7/28/23 20:23
D3-NMeFOSA	63.9	15-130		7/28/23 20:23
D5-NEtFOSA	66.5	10-130		7/28/23 20:23
D3-NMeFOSAA	87.1	45-200		7/28/23 20:23
D5-NEtFOSAA	81.2	10-200		7/28/23 20:23
D7-NMeFOSE	74.0	10-150		7/28/23 20:23
D9-NEtFOSE	72.2	10-150		7/28/23 20:23
13C3-HFPO-DA	92.1	25-160		7/28/23 20:23

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2141-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	700	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2141-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoropentanoic acid (PFPeA)	16	40	6.9	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorohexanoic acid (PFHxA)	13	20	4.3	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoroheptanoic acid (PFHpA)	6.2	20	5.1	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorooctanoic acid (PFOA)	20	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorobutanesulfonic acid (PFBS)	15	20	5.2	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	20	4.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorooctanesulfonic acid (PFOS)	17	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-EtFOSAA (NEtFOSAA)	6.7	20	4.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2141-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	81.1	10-130		7/28/23 20:38
13C5-PFPeA	81.1	35-150		7/28/23 20:38
13C5-PFHxA	80.3	55-150		7/28/23 20:38
13C4-PFHpA	77.2	55-150		7/28/23 20:38
13C8-PFOA	79.8	60-140		7/28/23 20:38
13C9-PFNA	78.2	55-140		7/28/23 20:38
13C6-PFDA	78.8	50-140		7/28/23 20:38
13C7-PFUnA	79.1	30-140		7/28/23 20:38
13C2-PFDoA	75.1	10-150		7/28/23 20:38
13C2-PFTeDA	80.7	10-130		7/28/23 20:38
13C3-PFBS	79.4	55-150		7/28/23 20:38
13C3-PFHxS	80.7	55-150		7/28/23 20:38
13C8-PFOS	82.0	45-140		7/28/23 20:38
13C2-4:2FTS	65.4	60-200		7/28/23 20:38
13C2-6:2FTS	80.3	60-200		7/28/23 20:38
13C2-8:2FTS	80.2	50-200		7/28/23 20:38
13C8-PFOSA	73.0	30-130		7/28/23 20:38
D3-NMeFOSA	57.3	15-130		7/28/23 20:38
D5-NEtFOSA	61.4	10-130		7/28/23 20:38
D3-NMeFOSAA	79.4	45-200		7/28/23 20:38
D5-NEtFOSAA	75.3	10-200		7/28/23 20:38
D7-NMeFOSE	71.8	10-150		7/28/23 20:38
D9-NEtFOSE	69.5	10-150		7/28/23 20:38
13C3-HFPO-DA	81.5	25-160		7/28/23 20:38

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2141-08

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1300	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2141-09

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.1	1.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.1	0.36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.33	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.1	0.72	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.1	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.45	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	0.71	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.1	0.88	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.1	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	52	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	52	9.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.1	0.51	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2141-09

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.1	0.41	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.89	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	68.3		10-130		7/28/23 20:54
13C5-PFPeA	67.4		35-150		7/28/23 20:54
13C5-PFHxA	67.6		55-150		7/28/23 20:54
13C4-PFHpA	65.4		55-150		7/28/23 20:54
13C8-PFOA	67.4		60-140		7/28/23 20:54
13C9-PFNA	70.1		55-140		7/28/23 20:54
13C6-PFDA	70.1		50-140		7/28/23 20:54
13C7-PFUnA	70.8		30-140		7/28/23 20:54
13C2-PFDoA	68.5		10-150		7/28/23 20:54
13C2-PFTeDA	65.5		10-130		7/28/23 20:54
13C3-PFBS	65.1		55-150		7/28/23 20:54
13C3-PFHxS	65.7		55-150		7/28/23 20:54
13C8-PFOS	67.5		45-140		7/28/23 20:54
13C2-4:2FTS	**56.2**	*	60-200		7/28/23 20:54
13C2-6:2FTS	71.5		60-200		7/28/23 20:54
13C2-8:2FTS	71.6		50-200		7/28/23 20:54
13C8-PFOSA	62.4		30-130		7/28/23 20:54
D3-NMeFOSA	49.8		15-130		7/28/23 20:54
D5-NEtFOSA	51.1		10-130		7/28/23 20:54
D3-NMeFOSAA	69.6		45-200		7/28/23 20:54
D5-NEtFOSAA	66.1		10-200		7/28/23 20:54
D7-NMeFOSE	58.2		10-150		7/28/23 20:54
D9-NEtFOSE	58.9		10-150		7/28/23 20:54
13C3-HFPO-DA	71.6		25-160		7/28/23 20:54

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2141-09

Sample Matrix: Field Blank

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2141-10

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.0	1.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	0.70	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.42	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.45	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	0.69	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.0	0.86	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.0	0.98	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	51	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	51	8.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2141-10

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.41	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.88	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	97.6	10-130		7/28/23 21:41
13C5-PFPeA	101	35-150		7/28/23 21:41
13C5-PFHxA	99.4	55-150		7/28/23 21:41
13C4-PFHpA	96.9	55-150		7/28/23 21:41
13C8-PFOA	93.9	60-140		7/28/23 21:41
13C9-PFNA	101	55-140		7/28/23 21:41
13C6-PFDA	99.9	50-140		7/28/23 21:41
13C7-PFUnA	97.1	30-140		7/28/23 21:41
13C2-PFDoA	96.8	10-150		7/28/23 21:41
13C2-PFTeDA	93.5	10-130		7/28/23 21:41
13C3-PFBS	98.2	55-150		7/28/23 21:41
13C3-PFHxS	97.4	55-150		7/28/23 21:41
13C8-PFOS	97.1	45-140		7/28/23 21:41
13C2-4:2FTS	79.0	60-200		7/28/23 21:41
13C2-6:2FTS	100	60-200		7/28/23 21:41
13C2-8:2FTS	99.4	50-200		7/28/23 21:41
13C8-PFOSA	88.0	30-130		7/28/23 21:41
D3-NMeFOSA	73.3	15-130		7/28/23 21:41
D5-NEtFOSA	77.4	10-130		7/28/23 21:41
D3-NMeFOSAA	96.7	45-200		7/28/23 21:41
D5-NEtFOSAA	96.1	10-200		7/28/23 21:41
D7-NMeFOSE	84.4	10-150		7/28/23 21:41
D9-NEtFOSE	81.6	10-150		7/28/23 21:41
13C3-HFPO-DA	104	25-160		7/28/23 21:41

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2141-10

Sample Matrix: Equipment Blank Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2141-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoropentanoic acid (PFPeA)	18	40	6.9	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorohexanoic acid (PFHxA)	11	20	4.3	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoroheptanoic acid (PFHpA)	7.0	20	5.1	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorooctanoic acid (PFOA)	18	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorobutanesulfonic acid (PFBS)	13	20	5.2	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	20	4.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorooctanesulfonic acid (PFOS)	20	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-EtFOSAA (NEtFOSAA)	7.4	20	4.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2141-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	89.0	10-130		7/28/23 21:57
13C5-PFPeA	88.4	35-150		7/28/23 21:57
13C5-PFHxA	89.5	55-150		7/28/23 21:57
13C4-PFHpA	83.8	55-150		7/28/23 21:57
13C8-PFOA	86.1	60-140		7/28/23 21:57
13C9-PFNA	86.1	55-140		7/28/23 21:57
13C6-PFDA	84.1	50-140		7/28/23 21:57
13C7-PFUnA	84.0	30-140		7/28/23 21:57
13C2-PFDoA	81.7	10-150		7/28/23 21:57
13C2-PFTeDA	80.3	10-130		7/28/23 21:57
13C3-PFBS	89.4	55-150		7/28/23 21:57
13C3-PFHxS	87.9	55-150		7/28/23 21:57
13C8-PFOS	88.0	45-140		7/28/23 21:57
13C2-4:2FTS	72.0	60-200		7/28/23 21:57
13C2-6:2FTS	88.0	60-200		7/28/23 21:57
13C2-8:2FTS	81.9	50-200		7/28/23 21:57
13C8-PFOSA	77.4	30-130		7/28/23 21:57
D3-NMeFOSA	64.5	15-130		7/28/23 21:57
D5-NEtFOSA	66.9	10-130		7/28/23 21:57
D3-NMeFOSAA	85.1	45-200		7/28/23 21:57
D5-NEtFOSAA	82.2	10-200		7/28/23 21:57
D7-NMeFOSE	76.8	10-150		7/28/23 21:57
D9-NEtFOSE	74.8	10-150		7/28/23 21:57
13C3-HFPO-DA	92.1	25-160		7/28/23 21:57

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2141-11

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1100	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Sample Extraction Data

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2141-05 [DPT-FB-2-11072023]	B346281	50.0	07/18/23
23G2141-06 [DPT-EQB-2-11072023]	B346281	50.0	07/18/23
23G2141-09 [DPT-FB-4-13072023]	B346281	50.0	07/18/23
23G2141-10 [DPT-EQB-3-13072023]	B346281	50.0	07/18/23

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2141-01 [5AVE-DPT-3-40]	B346639	50.0	07/20/23
23G2141-02 [5AVE-DPT-3-50]	B346639	50.0	07/20/23
23G2141-03 [5AVE-DPT-2-35]	B346639	50.0	07/20/23
23G2141-04 [5AVE-DPT-2-45]	B346639	50.0	07/20/23
23G2141-07 [5AVE-DPT-1-40]	B346639	50.0	07/20/23
23G2141-08 [5AVE-DPT-1-50]	B346639	50.0	07/20/23
23G2141-11 [DPT-DUP-2]	B346639	50.0	07/20/23

Prep Method:Draft Method 1633 **Analytical Method:Draft Method 1633** **Leachates were extracted on 7/20/2023 per NO PREP in Batch B346639**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2141-01 [5AVE-DPT-3-40]	B346881	25.0	5.00	07/27/23
23G2141-02 [5AVE-DPT-3-50]	B346881	10.0	5.00	07/27/23
23G2141-03 [5AVE-DPT-2-35]	B346881	25.0	5.00	07/27/23
23G2141-04 [5AVE-DPT-2-45]	B346881	10.0	5.00	07/27/23
23G2141-05 [DPT-FB-2-11072023]	B346881	491	5.00	07/27/23
23G2141-06 [DPT-EQB-2-11072023]	B346881	526	5.00	07/27/23
23G2141-07 [5AVE-DPT-1-40]	B346881	47.1	5.00	07/27/23
23G2141-08 [5AVE-DPT-1-50]	B346881	25.0	5.00	07/27/23
23G2141-09 [DPT-FB-4-13072023]	B346881	485	5.00	07/27/23
23G2141-10 [DPT-EQB-3-13072023]	B346881	495	5.00	07/27/23
23G2141-11 [DPT-DUP-2]	B346881	25.0	5.00	07/27/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Blank (B346881-BLK1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	ND	3.9	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.98	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.98	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.98	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.98	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.98	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.98	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.98	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.98	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.98	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.98	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.98	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.98	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.98	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.98	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.98	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.98	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.98	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.98	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.98	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.98	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.98	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.98	ng/L							
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.8	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	3.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	3.9	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.8	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	*83.9*		ng/L	97.9		85.7	10-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Blank (B346881-BLK1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Surrogate: 13C5-PFPeA	*42.6*		ng/L	49.0		87.0	35-150			
Surrogate: 13C5-PFHxA	*21.5*		ng/L	24.5		87.7	55-150			
Surrogate: 13C4-PFHpA	*20.8*		ng/L	24.5		85.0	55-150			
Surrogate: 13C8-PFOA	*20.2*		ng/L	24.5		82.6	60-140			
Surrogate: 13C9-PFNA	*10.6*		ng/L	12.2		86.4	55-140			
Surrogate: 13C6-PFDA	*10.3*		ng/L	12.2		84.2	50-140			
Surrogate: 13C7-PFUnA	*10.1*		ng/L	12.2		82.9	30-140			
Surrogate: 13C2-PFDoA	*9.69*		ng/L	12.2		79.2	10-150			
Surrogate: 13C2-PFTeDA	*9.31*		ng/L	12.2		76.1	10-130			
Surrogate: 13C3-PFBS	*21.5*		ng/L	24.5		87.8	55-150			
Surrogate: 13C3-PFHxS	*21.3*		ng/L	24.5		86.9	55-150			
Surrogate: 13C8-PFOS	*20.2*		ng/L	24.5		82.6	45-140			
Surrogate: 13C2-4:2FTS	*33.5*		ng/L	49.0		68.5	60-200			
Surrogate: 13C2-6:2FTS	*41.7*		ng/L	49.0		85.1	60-200			
Surrogate: 13C2-8:2FTS	*40.4*		ng/L	49.0		82.6	50-200			
Surrogate: 13C8-PFOSA	*18.5*		ng/L	24.5		75.4	30-130			
Surrogate: D3-NMeFOSA	*13.3*		ng/L	24.5		54.5	15-130			
Surrogate: D5-NEtFOSA	*13.8*		ng/L	24.5		56.2	10-130			
Surrogate: D3-NMeFOSAA	*40.5*		ng/L	49.0		82.8	45-200			
Surrogate: D5-NEtFOSAA	*39.5*		ng/L	49.0		80.7	10-200			
Surrogate: D7-NMeFOSE	*176*		ng/L	245		71.9	10-150			
Surrogate: D9-NEtFOSE	*168*		ng/L	245		68.7	10-150			
Surrogate: 13C3-HFPO-DA	*86.8*		ng/L	97.9		88.6	25-160			
LCS (B346881-BS1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	99.6	3.9	ng/L	94.0		106	58-148			
Perfluoropentanoic acid (PFPeA)	48.2	2.0	ng/L	47.0		102	54-152			
Perfluorohexanoic acid (PFHxA)	24.3	0.98	ng/L	23.5		103	55-152			
Perfluoroheptanoic acid (PFHpA)	24.0	0.98	ng/L	23.5		102	54-154			
Perfluorooctanoic acid (PFOA)	24.8	0.98	ng/L	23.5		105	52-161			
Perfluorononanoic acid (PFNA)	23.7	0.98	ng/L	23.5		101	59-149			
Perfluorodecanoic acid (PFDA)	24.2	0.98	ng/L	23.5		103	52-147			
Perfluoroundecanoic acid (PFUnA)	24.2	0.98	ng/L	23.5		103	48-159			
Perfluorododecanoic acid (PFDoA)	24.4	0.98	ng/L	23.5		104	64-142			
Perfluorotridecanoic acid (PFTrDA)	24.4	0.98	ng/L	23.5		104	49-148			
Perfluorotetradecanoic acid (PFTeDA)	24.8	0.98	ng/L	23.5		105	47-161			
Perfluorobutanesulfonic acid (PFBS)	21.5	0.98	ng/L	20.9		103	62-144			
Perfluoropentanesulfonic acid (PFPeS)	23.6	0.98	ng/L	22.1		107	59-151			
Perfluorohexanesulfonic acid (PFHxS)	22.4	0.98	ng/L	21.5		104	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	23.8	0.98	ng/L	22.4		106	55-152			
Perfluorooctanesulfonic acid (PFOS)	21.5	0.98	ng/L	21.8		98.7	58-149			
Perfluorononanesulfonic acid (PFNS)	23.6	0.98	ng/L	22.6		104	52-148			
Perfluorodecanesulfonic acid (PFDS)	23.0	0.98	ng/L	22.7		101	51-147			
Perfluorododecanesulfonic acid (PFDoS)	22.8	0.98	ng/L	22.8		99.9	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.2	3.9	ng/L	88.1		105	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	92.2	3.9	ng/L	89.3		103	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.4	3.9	ng/L	90.5		103	63-152			
Perfluorooctanesulfonamide (PFOSA)	23.9	0.98	ng/L	23.5		102	61-148			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	21.9	0.98	ng/L	23.5		93.3	63-145			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
LCS (B346881-BS1)				Prepared: 07/27/23 Analyzed: 07/28/23						
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	22.0	0.98	ng/L	23.5		93.4	65-139			
N-MeFOSAA (NMeFOSAA)	24.1	0.98	ng/L	23.5		102	58-144			
N-EtFOSAA (NEtFOSAA)	24.6	0.98	ng/L	23.5		105	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	246	9.8	ng/L	235		105	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	249	9.8	ng/L	235		106	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.4	3.9	ng/L	94.0		99.4	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.4	3.9	ng/L	88.7		94.0	68-146			
9Cl-PF3ONS (F53B Minor)	86.3	3.9	ng/L	88.1		97.9	56-156			
11Cl-PF3OUdS (F53B Major)	82.7	3.9	ng/L	88.7		93.2	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	192	9.8	ng/L	235		81.7	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1040	49	ng/L	1180		88.7	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	973	49	ng/L	1180		82.8	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	41.7	2.0	ng/L	41.8		99.6	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.6	2.0	ng/L	47.0		92.8	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	45.2	2.0	ng/L	47.0		96.1	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	47.5	2.0	ng/L	47.0		101	48-161			
Surrogate: 13C4-PFBA	*86.8*		ng/L	97.9		88.6	10-130			
Surrogate: 13C5-PFPeA	*43.3*		ng/L	49.0		88.4	35-150			
Surrogate: 13C5-PFHxA	*21.6*		ng/L	24.5		88.2	55-150			
Surrogate: 13C4-PFHpA	*21.3*		ng/L	24.5		86.8	55-150			
Surrogate: 13C8-PFOA	*21.5*		ng/L	24.5		87.9	60-140			
Surrogate: 13C9-PFNA	*10.9*		ng/L	12.2		88.9	55-140			
Surrogate: 13C6-PFDA	*10.8*		ng/L	12.2		88.2	50-140			
Surrogate: 13C7-PFUnA	*10.3*		ng/L	12.2		83.7	30-140			
Surrogate: 13C2-PFDoA	*10.2*		ng/L	12.2		83.0	10-150			
Surrogate: 13C2-PFTeDA	*10.0*		ng/L	12.2		81.9	10-130			
Surrogate: 13C3-PFBS	*21.6*		ng/L	24.5		88.3	55-150			
Surrogate: 13C3-PFHxS	*20.9*		ng/L	24.5		85.4	55-150			
Surrogate: 13C8-PFOS	*20.9*		ng/L	24.5		85.4	45-140			
Surrogate: 13C2-4:2FTS	*37.4*		ng/L	49.0		76.4	60-200			
Surrogate: 13C2-6:2FTS	*45.3*		ng/L	49.0		92.5	60-200			
Surrogate: 13C2-8:2FTS	*43.3*		ng/L	49.0		88.5	50-200			
Surrogate: 13C8-PFOSA	*19.5*		ng/L	24.5		79.7	30-130			
Surrogate: D3-NMeFOSA	*16.8*		ng/L	24.5		68.5	15-130			
Surrogate: D5-NEtFOSA	*17.4*		ng/L	24.5		71.0	10-130			
Surrogate: D3-NMeFOSAA	*42.1*		ng/L	49.0		85.9	45-200			
Surrogate: D5-NEtFOSAA	*41.1*		ng/L	49.0		84.0	10-200			
Surrogate: D7-NMeFOSE	*192*		ng/L	245		78.2	10-150			
Surrogate: D9-NEtFOSE	*188*		ng/L	245		76.8	10-150			
Surrogate: 13C3-HFPO-DA	*85.2*		ng/L	97.9		87.0	25-160			
MRL Check (B346881-MRL1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	7.76	3.9	ng/L	7.85		98.9	44-157			
Perfluoropentanoic acid (PFPeA)	3.59	2.0	ng/L	3.93		91.4	57-148			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
MRL Check (B346881-MRL1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorohexanoic acid (PFHxA)	1.80	0.98	ng/L	1.96		91.7	62-149			
Perfluoroheptanoic acid (PFHpA)	1.69	0.98	ng/L	1.96		86.0	56-150			
Perfluorooctanoic acid (PFOA)	1.79	0.98	ng/L	1.96		91.4	57-161			
Perfluorononanoic acid (PFNA)	1.68	0.98	ng/L	1.96		85.4	53-157			
Perfluorodecanoic acid (PFDA)	1.63	0.98	ng/L	1.96		83.2	43-158			
Perfluoroundecanoic acid (PFUnA)	1.69	0.98	ng/L	1.96		86.2	50-155			
Perfluorododecanoic acid (PFDoA)	1.80	0.98	ng/L	1.96		91.6	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.66	0.98	ng/L	1.96		84.7	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.80	0.98	ng/L	1.96		91.8	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.45	0.98	ng/L	1.74		83.2	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.74	0.98	ng/L	1.85		94.4	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.58	0.98	ng/L	1.80		87.7	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	1.59	0.98	ng/L	1.87		85.3	51-150			
Perfluorooctanesulfonic acid (PFOS)	1.69	0.98	ng/L	1.82		93.0	43-162			
Perfluorononanesulfonic acid (PFNS)	1.64	0.98	ng/L	1.89		86.6	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.57	0.98	ng/L	1.89		83.0	50-144			
Perfluorododecanesulfonic acid (PFDoS)	1.59	0.98	ng/L	1.90		83.6	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	6.66	3.9	ng/L	7.36		90.5	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	6.63	3.9	ng/L	7.46		88.9	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	6.46	3.9	ng/L	7.56		85.5	46-165			
Perfluorooctanesulfonamide (PFOSA)	1.75	0.98	ng/L	1.96		88.9	47-163			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.60	0.98	ng/L	1.96		81.4	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.70	0.98	ng/L	1.96		86.7	49-156			
N-MeFOSAA (NMeFOSAA)	1.67	0.98	ng/L	1.96		85.1	32-160			
N-EtFOSAA (NEtFOSAA)	1.72	0.98	ng/L	1.96		87.5	51-154			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	17.7	9.8	ng/L	19.6		90.4	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	17.8	9.8	ng/L	19.6		90.7	60-147			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.02	3.9	ng/L	7.85		89.3	58-154			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.22	3.9	ng/L	7.41		83.9	61-148			
9Cl-PF3ONS (F53B Minor)	6.41	3.9	ng/L	7.36		87.1	44-167			
11Cl-PF3OUdS (F53B Major)	6.13	3.9	ng/L	7.41		82.7	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	17.2	9.8	ng/L	19.6		87.8	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	87.2	49	ng/L	98.2		88.9	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	78.4	49	ng/L	98.2		79.9	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.11	2.0	ng/L	3.49		89.0	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.44	2.0	ng/L	3.93		87.6	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.43	2.0	ng/L	3.93		87.5	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.60	2.0	ng/L	3.93		91.6	47-160			
Surrogate: 13C4-PFBA	*84.1*		ng/L	98.2		85.7	10-130			
Surrogate: 13C5-PFPeA	*43.0*		ng/L	49.1		87.6	35-150			
Surrogate: 13C5-PFHxA	*21.2*		ng/L	24.5		86.6	55-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
MRL Check (B346881-MRL1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Surrogate: 13C4-PFHpA	*21.3*		ng/L	24.5		86.8	55-150			
Surrogate: 13C8-PFOA	*21.4*		ng/L	24.5		87.1	60-140			
Surrogate: 13C9-PFNA	*10.7*		ng/L	12.3		87.3	55-140			
Surrogate: 13C6-PFDA	*10.5*		ng/L	12.3		85.8	50-140			
Surrogate: 13C7-PFUnA	*10.4*		ng/L	12.3		84.6	30-140			
Surrogate: 13C2-PFDoA	*10.1*		ng/L	12.3		81.9	10-150			
Surrogate: 13C2-PFTeDA	*10.1*		ng/L	12.3		82.3	10-130			
Surrogate: 13C3-PFBS	*21.7*		ng/L	24.5		88.5	55-150			
Surrogate: 13C3-PFHxS	*20.6*		ng/L	24.5		84.1	55-150			
Surrogate: 13C8-PFOS	*21.9*		ng/L	24.5		89.3	45-140			
Surrogate: 13C2-4:2FTS	*34.7*		ng/L	49.1		70.7	60-200			
Surrogate: 13C2-6:2FTS	*43.6*		ng/L	49.1		88.8	60-200			
Surrogate: 13C2-8:2FTS	*39.5*		ng/L	49.1		80.6	50-200			
Surrogate: 13C8-PFOSA	*19.9*		ng/L	24.5		81.1	30-130			
Surrogate: D3-NMeFOSA	*15.9*		ng/L	24.5		64.7	15-130			
Surrogate: D5-NEtFOSA	*16.8*		ng/L	24.5		68.4	10-130			
Surrogate: D3-NMeFOSAA	*42.0*		ng/L	49.1		85.6	45-200			
Surrogate: D5-NEtFOSAA	*41.0*		ng/L	49.1		83.6	10-200			
Surrogate: D7-NMeFOSE	*195*		ng/L	245		79.4	10-150			
Surrogate: D9-NEtFOSE	*192*		ng/L	245		78.1	10-150			
Surrogate: 13C3-HFPO-DA	*89.7*		ng/L	98.2		91.4	25-160			
Matrix Spike (B346881-MS1)		**Source: 23G2141-07**		Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	1110	42	ng/L	1020	ND	109	58-148			
Perfluoropentanoic acid (PFPeA)	551	21	ng/L	509	13.9	106	54-152			
Perfluorohexanoic acid (PFHxA)	281	11	ng/L	255	13.3	105	55-152			
Perfluoroheptanoic acid (PFHpA)	267	11	ng/L	255	7.70	102	54-154			
Perfluorooctanoic acid (PFOA)	294	11	ng/L	255	22.1	107	52-161			
Perfluorononanoic acid (PFNA)	274	11	ng/L	255	ND	107	59-149			
Perfluorodecanoic acid (PFDA)	280	11	ng/L	255	2.38	109	52-147			
Perfluoroundecanoic acid (PFUnA)	269	11	ng/L	255	ND	105	48-159			
Perfluorododecanoic acid (PFDoA)	269	11	ng/L	255	ND	106	64-142			
Perfluorotridecanoic acid (PFTrDA)	259	11	ng/L	255	ND	102	49-148			
Perfluorotetradecanoic acid (PFTeDA)	264	11	ng/L	255	ND	104	47-161			
Perfluorobutanesulfonic acid (PFBS)	235	11	ng/L	226	3.51	102	62-144			
Perfluoropentanesulfonic acid (PFPeS)	255	11	ng/L	239	ND	107	59-151			
Perfluorohexanesulfonic acid (PFHxS)	243	11	ng/L	233	3.16	103	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	259	11	ng/L	243	ND	107	55-152			
Perfluorooctanesulfonic acid (PFOS)	285	11	ng/L	236	52.6	98.5	58-149			
Perfluorononanesulfonic acid (PFNS)	245	11	ng/L	245	ND	100	52-148			
Perfluorodecanesulfonic acid (PFDS)	243	11	ng/L	246	ND	98.8	51-147			
Perfluorododecanesulfonic acid (PFDoS)	234	11	ng/L	247	ND	94.7	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	1010	42	ng/L	955	ND	106	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1040	42	ng/L	968	ND	108	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	1050	42	ng/L	981	ND	108	63-152			
Perfluorooctanesulfonamide (PFOSA)	259	11	ng/L	255	ND	102	61-148			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	232	11	ng/L	255	ND	91.1	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	237	11	ng/L	255	ND	93.2	65-139			
N-MeFOSAA (NMeFOSAA)	259	11	ng/L	255	ND	102	58-144			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Matrix Spike (B346881-MS1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
N-EtFOSAA (NEtFOSAA)	276	11	ng/L	255	10.5	104	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	2610	110	ng/L	2550	ND	102	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	2580	110	ng/L	2550	ND	101	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	929	42	ng/L	1020	ND	91.2	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	823	42	ng/L	962	ND	85.6	68-146			
9Cl-PF3ONS (F53B Minor)	850	42	ng/L	955	ND	89.0	56-156			
11Cl-PF3OUdS (F53B Major)	788	42	ng/L	962	ND	81.9	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	2120	110	ng/L	2550	ND	83.4	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	11200	530	ng/L	12700	ND	87.9	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	10900	530	ng/L	12700	ND	85.5	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	440	21	ng/L	453	ND	97.2	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	464	21	ng/L	509	ND	91.2	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	483	21	ng/L	509	ND	94.7	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	502	21	ng/L	509	ND	98.5	48-161			
Surrogate: 13C4-PFBA	*935*		ng/L	1060		88.1	10-130			
Surrogate: 13C5-PFPeA	*466*		ng/L	531		87.8	35-150			
Surrogate: 13C5-PFHxA	*234*		ng/L	265		88.3	55-150			
Surrogate: 13C4-PFHpA	*234*		ng/L	265		88.3	55-150			
Surrogate: 13C8-PFOA	*231*		ng/L	265		86.9	60-140			
Surrogate: 13C9-PFNA	*117*		ng/L	133		87.8	55-140			
Surrogate: 13C6-PFDA	*113*		ng/L	133		85.2	50-140			
Surrogate: 13C7-PFUnA	*112*		ng/L	133		84.4	30-140			
Surrogate: 13C2-PFDoA	*106*		ng/L	133		79.7	10-150			
Surrogate: 13C2-PFTeDA	*103*		ng/L	133		77.3	10-130			
Surrogate: 13C3-PFBS	*239*		ng/L	265		90.2	55-150			
Surrogate: 13C3-PFHxS	*234*		ng/L	265		88.0	55-150			
Surrogate: 13C8-PFOS	*233*		ng/L	265		87.8	45-140			
Surrogate: 13C2-4:2FTS	*420*		ng/L	531		79.1	60-200			
Surrogate: 13C2-6:2FTS	*463*		ng/L	531		87.2	60-200			
Surrogate: 13C2-8:2FTS	*473*		ng/L	531		89.1	50-200			
Surrogate: 13C8-PFOSA	*217*		ng/L	265		81.7	30-130			
Surrogate: D3-NMeFOSA	*170*		ng/L	265		64.2	15-130			
Surrogate: D5-NEtFOSA	*169*		ng/L	265		63.8	10-130			
Surrogate: D3-NMeFOSAA	*465*		ng/L	531		87.5	45-200			
Surrogate: D5-NEtFOSAA	*446*		ng/L	531		84.1	10-200			
Surrogate: D7-NMeFOSE	*2060*		ng/L	2650		77.7	10-150			
Surrogate: D9-NEtFOSE	*2040*		ng/L	2650		76.7	10-150			
Surrogate: 13C3-HFPO-DA	*989*		ng/L	1060		93.2	25-160			
Matrix Spike Dup (B346881-MSD1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	1050	42	ng/L	1010	ND	104	58-148	5.80	20	
Perfluoropentanoic acid (PFPeA)	522	21	ng/L	505	13.9	101	54-152	5.45	20	
Perfluorohexanoic acid (PFHxA)	265	11	ng/L	253	13.3	99.6	55-152	6.06	25	
Perfluoroheptanoic acid (PFHpA)	258	11	ng/L	253	7.70	99.2	54-154	3.47	25	
Perfluorooctanoic acid (PFOA)	284	11	ng/L	253	22.1	104	52-161	3.68	25	

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Matrix Spike Dup (B346881-MSD1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorononanoic acid (PFNA)	254	11	ng/L	253	ND	101	59-149	7.54	25	
Perfluorodecanoic acid (PFDA)	255	11	ng/L	253	2.38	100	52-147	9.26	25	
Perfluoroundecanoic acid (PFUnA)	263	11	ng/L	253	ND	104	48-159	2.18	30	
Perfluorododecanoic acid (PFDoA)	254	11	ng/L	253	ND	101	64-142	5.63	25	
Perfluorotridecanoic acid (PFTrDA)	247	11	ng/L	253	ND	97.9	49-148	4.71	25	
Perfluorotetradecanoic acid (PFTeDA)	256	11	ng/L	253	ND	101	47-161	2.92	25	
Perfluorobutanesulfonic acid (PFBS)	226	11	ng/L	224	3.51	99.3	62-144	3.79	20	
Perfluoropentanesulfonic acid (PFPeS)	240	11	ng/L	237	ND	101	59-151	6.01	25	
Perfluorohexanesulfonic acid (PFHxS)	225	11	ng/L	231	3.16	96.2	57-146	7.44	25	
Perfluoroheptanesulfonic acid (PFHpS)	234	11	ng/L	241	ND	97.4	55-152	10.1	25	
Perfluorooctanesulfonic acid (PFOS)	275	11	ng/L	234	52.6	95.1	58-149	3.57	20	
Perfluorononanesulfonic acid (PFNS)	237	11	ng/L	243	ND	97.4	52-148	3.64	25	
Perfluorodecanesulfonic acid (PFDS)	237	11	ng/L	244	ND	97.4	51-147	2.23	25	
Perfluorododecanesulfonic acid (PFDoS)	236	11	ng/L	245	ND	96.3	36-145	0.808	30	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	968	42	ng/L	947	ND	102	67-146	4.54	25	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	960	42	ng/L	960	ND	100	61-151	8.26	30	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	992	42	ng/L	972	ND	102	63-152	6.06	30	
Perfluorooctanesulfonamide (PFOSA)	252	11	ng/L	253	ND	99.6	61-148	3.06	20	
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	221	11	ng/L	253	ND	87.6	63-145	4.79	25	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	222	11	ng/L	253	ND	88.1	65-139	6.52	25	
N-MeFOSAA (NMeFOSAA)	268	11	ng/L	253	ND	106	58-144	3.37	25	
N-EtFOSAA (NEtFOSAA)	254	11	ng/L	253	10.5	96.5	59-146	8.17	25	
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	2540	110	ng/L	2530	ND	101	71-136	2.37	20	
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	2500	110	ng/L	2530	ND	99.0	69-137	3.25	25	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	982	42	ng/L	1010	ND	97.2	63-144	5.50	25	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	854	42	ng/L	953	ND	89.6	68-146	3.66	20	
9Cl-PF3ONS (F53B Minor)	873	42	ng/L	947	ND	92.2	56-156	2.73	30	
11Cl-PF3OUdS (F53B Major)	844	42	ng/L	953	ND	88.5	46-156	6.88	35	
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	2070	110	ng/L	2530	ND	81.9	62-129	2.60	20	
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	10600	530	ng/L	12600	ND	84.1	63-134	5.23	20	
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	10300	530	ng/L	12600	ND	81.8	50-138	5.38	25	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	442	21	ng/L	449	ND	98.4	56-151	0.382	20	
Perfluoro-3-methoxypropanoic acid (PFMPA)	463	21	ng/L	505	ND	91.6	51-145	0.371	25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	474	21	ng/L	505	ND	93.8	55-148	1.80	20	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	505	21	ng/L	505	ND	99.9	48-161	0.572	35	
Surrogate: 13C4-PFBA	*866*		ng/L	1050		82.3	10-130			
Surrogate: 13C5-PFPeA	*429*		ng/L	526		81.6	35-150			
Surrogate: 13C5-PFHxA	*215*		ng/L	263		81.7	55-150			
Surrogate: 13C4-PFHpA	*211*		ng/L	263		80.3	55-150			
Surrogate: 13C8-PFOA	*209*		ng/L	263		79.4	60-140			
Surrogate: 13C9-PFNA	*111*		ng/L	132		84.4	55-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Matrix Spike Dup (B346881-MSD1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
Surrogate: 13C6-PFDA	*107*		ng/L	132		81.0	50-140			
Surrogate: 13C7-PFUnA	*101*		ng/L	132		77.1	30-140			
Surrogate: 13C2-PFDoA	*100*		ng/L	132		76.4	10-150			
Surrogate: 13C2-PFTeDA	*101*		ng/L	132		77.0	10-130			
Surrogate: 13C3-PFBS	*217*		ng/L	263		82.3	55-150			
Surrogate: 13C3-PFHxS	*217*		ng/L	263		82.6	55-150			
Surrogate: 13C8-PFOS	*224*		ng/L	263		85.3	45-140			
Surrogate: 13C2-4:2FTS	*383*		ng/L	526		72.7	60-200			
Surrogate: 13C2-6:2FTS	*437*		ng/L	526		83.1	60-200			
Surrogate: 13C2-8:2FTS	*426*		ng/L	526		80.9	50-200			
Surrogate: 13C8-PFOSA	*206*		ng/L	263		78.3	30-130			
Surrogate: D3-NMeFOSA	*166*		ng/L	263		63.1	15-130			
Surrogate: D5-NEtFOSA	*169*		ng/L	263		64.4	10-130			
Surrogate: D3-NMeFOSAA	*429*		ng/L	526		81.6	45-200			
Surrogate: D5-NEtFOSAA	*429*		ng/L	526		81.5	10-200			
Surrogate: D7-NMeFOSE	*2000*		ng/L	2630		75.9	10-150			
Surrogate: D9-NEtFOSE	*1970*		ng/L	2630		74.9	10-150			
Surrogate: 13C3-HFPO-DA	*872*		ng/L	1050		82.9	25-160			
Batch B346882 - Draft Method 1633										
Blank (B346882-BLK1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	ND	3.9	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.98	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.98	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.98	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.98	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.98	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.98	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.98	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.98	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.98	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.98	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.98	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.98	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.98	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.98	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.98	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.98	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.98	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.98	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.98	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.98	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.98	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.98	ng/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
Blank (B346882-BLK1)				Prepared: 07/31/23 Analyzed: 08/03/23						
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.8	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	3.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	3.9	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.8	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	*94.9*		ng/L	97.9		96.9	10-130			
Surrogate: 13C5-PFPeA	*46.2*		ng/L	48.9		94.5	35-150			
Surrogate: 13C5-PFHxA	*23.8*		ng/L	24.5		97.4	55-150			
Surrogate: 13C4-PFHpA	*23.8*		ng/L	24.5		97.1	55-150			
Surrogate: 13C8-PFOA	*24.2*		ng/L	24.5		98.9	60-140			
Surrogate: 13C9-PFNA	*11.6*		ng/L	12.2		95.1	55-140			
Surrogate: 13C6-PFDA	*11.6*		ng/L	12.2		95.0	50-140			
Surrogate: 13C7-PFUnA	*11.4*		ng/L	12.2		93.4	30-140			
Surrogate: 13C2-PFDoA	*11.0*		ng/L	12.2		89.9	10-150			
Surrogate: 13C2-PFTeDA	*11.0*		ng/L	12.2		90.1	10-130			
Surrogate: 13C3-PFBS	*22.9*		ng/L	24.5		93.4	55-150			
Surrogate: 13C3-PFHxS	*22.9*		ng/L	24.5		93.5	55-150			
Surrogate: 13C8-PFOS	*24.0*		ng/L	24.5		98.0	45-140			
Surrogate: 13C2-4:2FTS	*38.0*		ng/L	48.9		77.7	60-200			
Surrogate: 13C2-6:2FTS	*44.2*		ng/L	48.9		90.3	60-200			
Surrogate: 13C2-8:2FTS	*45.2*		ng/L	48.9		92.4	50-200			
Surrogate: 13C8-PFOSA	*21.6*		ng/L	24.5		88.1	30-130			
Surrogate: D3-NMeFOSA	*16.4*		ng/L	24.5		67.0	15-130			
Surrogate: D5-NEtFOSA	*18.1*		ng/L	24.5		74.0	10-130			
Surrogate: D3-NMeFOSAA	*44.8*		ng/L	48.9		91.6	45-200			
Surrogate: D5-NEtFOSAA	*43.9*		ng/L	48.9		89.7	10-200			
Surrogate: D7-NMeFOSE	*214*		ng/L	245		87.6	10-150			
Surrogate: D9-NEtFOSE	*211*		ng/L	245		86.3	10-150			
Surrogate: 13C3-HFPO-DA	*96.9*		ng/L	97.9		99.0	25-160			
LCS (B346882-BS1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	90.5	3.9	ng/L	94.2		96.1	58-148			
Perfluoropentanoic acid (PFPeA)	43.9	2.0	ng/L	47.1		93.3	54-152			
Perfluorohexanoic acid (PFHxA)	21.7	0.98	ng/L	23.6		92.2	55-152			
Perfluoroheptanoic acid (PFHpA)	22.2	0.98	ng/L	23.6		94.2	54-154			
Perfluorooctanoic acid (PFOA)	22.1	0.98	ng/L	23.6		93.8	52-161			
Perfluorononanoic acid (PFNA)	22.7	0.98	ng/L	23.6		96.2	59-149			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
LCS (B346882-BS1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorodecanoic acid (PFDA)	22.2	0.98	ng/L	23.6		94.1	52-147			
Perfluoroundecanoic acid (PFUnA)	21.4	0.98	ng/L	23.6		90.8	48-159			
Perfluorododecanoic acid (PFDoA)	22.2	0.98	ng/L	23.6		94.1	64-142			
Perfluorotridecanoic acid (PFTrDA)	21.9	0.98	ng/L	23.6		93.1	49-148			
Perfluorotetradecanoic acid (PFTeDA)	21.8	0.98	ng/L	23.6		92.6	47-161			
Perfluorobutanesulfonic acid (PFBS)	19.3	0.98	ng/L	20.9		92.6	62-144			
Perfluoropentanesulfonic acid (PFPeS)	20.6	0.98	ng/L	22.1		93.0	59-151			
Perfluorohexanesulfonic acid (PFHxS)	20.0	0.98	ng/L	21.6		92.7	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	20.6	0.98	ng/L	22.4		92.0	55-152			
Perfluorooctanesulfonic acid (PFOS)	19.6	0.98	ng/L	21.8		89.8	58-149			
Perfluorononanesulfonic acid (PFNS)	19.9	0.98	ng/L	22.7		87.9	52-148			
Perfluorodecanesulfonic acid (PFDS)	19.6	0.98	ng/L	22.7		86.4	51-147			
Perfluorododecanesulfonic acid (PFDoS)	19.2	0.98	ng/L	22.8		83.9	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.4	3.9	ng/L	88.3		95.6	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	80.0	3.9	ng/L	89.5		89.4	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	85.8	3.9	ng/L	90.7		94.6	63-152			
Perfluorooctanesulfonamide (PFOSA)	21.8	0.98	ng/L	23.6		92.8	61-148			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	21.0	0.98	ng/L	23.6		89.1	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	20.4	0.98	ng/L	23.6		86.5	65-139			
N-MeFOSAA (NMeFOSAA)	19.8	0.98	ng/L	23.6		84.0	58-144			
N-EtFOSAA (NEtFOSAA)	21.4	0.98	ng/L	23.6		90.8	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	222	9.8	ng/L	236		94.0	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	219	9.8	ng/L	236		93.0	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.1	3.9	ng/L	94.2		101	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.3	3.9	ng/L	88.9		90.4	68-146			
9Cl-PF3ONS (F53B Minor)	85.9	3.9	ng/L	88.3		97.2	56-156			
11Cl-PF3OUdS (F53B Major)	81.4	3.9	ng/L	88.9		91.6	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	210	9.8	ng/L	236		89.1	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1050	49	ng/L	1180		89.2	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	1010	49	ng/L	1180		85.6	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	40.3	2.0	ng/L	41.9		96.1	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.8	2.0	ng/L	47.1		93.0	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	46.1	2.0	ng/L	47.1		97.8	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	46.1	2.0	ng/L	47.1		97.9	48-161			
Surrogate: 13C4-PFBA	*97.1*		ng/L	98.1		98.9	10-130			
Surrogate: 13C5-PFPeA	*47.7*		ng/L	49.1		97.3	35-150			
Surrogate: 13C5-PFHxA	*24.6*		ng/L	24.5		100	55-150			
Surrogate: 13C4-PFHpA	*24.5*		ng/L	24.5		99.7	55-150			
Surrogate: 13C8-PFOA	*23.6*		ng/L	24.5		96.0	60-140			
Surrogate: 13C9-PFNA	*12.0*		ng/L	12.3		97.9	55-140			
Surrogate: 13C6-PFDA	*12.1*		ng/L	12.3		98.8	50-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
LCS (B346882-BS1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Surrogate: 13C7-PFUnA	*12.2*		ng/L	12.3		99.3	30-140			
Surrogate: 13C2-PFDoA	*11.4*		ng/L	12.3		92.7	10-150			
Surrogate: 13C2-PFTeDA	*11.4*		ng/L	12.3		93.0	10-130			
Surrogate: 13C3-PFBS	*23.4*		ng/L	24.5		95.6	55-150			
Surrogate: 13C3-PFHxS	*24.5*		ng/L	24.5		99.8	55-150			
Surrogate: 13C8-PFOS	*24.7*		ng/L	24.5		101	45-140			
Surrogate: 13C2-4:2FTS	*41.4*		ng/L	49.1		84.4	60-200			
Surrogate: 13C2-6:2FTS	*47.1*		ng/L	49.1		95.9	60-200			
Surrogate: 13C2-8:2FTS	*49.6*		ng/L	49.1		101	50-200			
Surrogate: 13C8-PFOSA	*21.9*		ng/L	24.5		89.1	30-130			
Surrogate: D3-NMeFOSA	*16.4*		ng/L	24.5		66.9	15-130			
Surrogate: D5-NEtFOSA	*18.1*		ng/L	24.5		73.6	10-130			
Surrogate: D3-NMeFOSAA	*48.1*		ng/L	49.1		98.1	45-200			
Surrogate: D5-NEtFOSAA	*45.0*		ng/L	49.1		91.7	10-200			
Surrogate: D7-NMeFOSE	*224*		ng/L	245		91.2	10-150			
Surrogate: D9-NEtFOSE	*217*		ng/L	245		88.5	10-150			
Surrogate: 13C3-HFPO-DA	*98.0*		ng/L	98.1		99.9	25-160			
MRL Check (B346882-MRL1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	8.52	3.9	ng/L	7.89		108	44-157			
Perfluoropentanoic acid (PFPeA)	4.07	2.0	ng/L	3.95		103	57-148			
Perfluorohexanoic acid (PFHxA)	2.05	0.99	ng/L	1.97		104	62-149			
Perfluoroheptanoic acid (PFHpA)	2.04	0.99	ng/L	1.97		103	56-150			
Perfluorooctanoic acid (PFOA)	1.92	0.99	ng/L	1.97		97.0	57-161			
Perfluorononanoic acid (PFNA)	2.04	0.99	ng/L	1.97		104	53-157			
Perfluorodecanoic acid (PFDA)	1.79	0.99	ng/L	1.97		90.9	43-158			
Perfluoroundecanoic acid (PFUnA)	1.80	0.99	ng/L	1.97		91.4	50-155			
Perfluorododecanoic acid (PFDoA)	2.07	0.99	ng/L	1.97		105	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.92	0.99	ng/L	1.97		97.4	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.92	0.99	ng/L	1.97		97.2	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.71	0.99	ng/L	1.75		97.5	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.79	0.99	ng/L	1.86		96.5	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.89	0.99	ng/L	1.81		105	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	2.09	0.99	ng/L	1.88		111	51-150			
Perfluorooctanesulfonic acid (PFOS)	2.13	0.99	ng/L	1.83		116	43-162			
Perfluorononanesulfonic acid (PFNS)	2.01	0.99	ng/L	1.90		106	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.87	0.99	ng/L	1.90		98.0	50-144			
Perfluorododecanesulfonic acid (PFDoS)	2.06	0.99	ng/L	1.91		108	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.63	3.9	ng/L	7.40		103	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.30	3.9	ng/L	7.50		97.4	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	8.34	3.9	ng/L	7.60		110	46-165			
Perfluorooctanesulfonamide (PFOSA)	2.06	0.99	ng/L	1.97		105	47-163			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.91	0.99	ng/L	1.97		96.7	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.88	0.99	ng/L	1.97		95.1	49-156			
N-MeFOSAA (NMeFOSAA)	1.97	0.99	ng/L	1.97		99.9	32-160			
N-EtFOSAA (NEtFOSAA)	1.96	0.99	ng/L	1.97		99.2	51-154			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	19.7	9.9	ng/L	19.7		99.7	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	20.0	9.9	ng/L	19.7		101	60-147			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
MRL Check (B346882-MRL1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.70	3.9	ng/L	7.89		97.6	58-154			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.98	3.9	ng/L	7.45		93.7	61-148			
9Cl-PF3ONS (F53B Minor)	7.30	3.9	ng/L	7.40		98.7	44-167			
11Cl-PF3OUdS (F53B Major)	6.71	3.9	ng/L	7.45		90.1	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	17.8	9.9	ng/L	19.7		90.3	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	88.1	49	ng/L	98.7		89.2	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	82.3	49	ng/L	98.7		83.4	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.49	2.0	ng/L	3.51		99.2	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.97	2.0	ng/L	3.95		101	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	2.0	ng/L	3.95		101	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.96	2.0	ng/L	3.95		100	47-160			
Surrogate: 13C4-PFBA	*97.1*		ng/L	98.7		98.4	10-130			
Surrogate: 13C5-PFPeA	*47.6*		ng/L	49.3		96.4	35-150			
Surrogate: 13C5-PFHxA	*24.6*		ng/L	24.7		99.9	55-150			
Surrogate: 13C4-PFHpA	*24.0*		ng/L	24.7		97.2	55-150			
Surrogate: 13C8-PFOA	*24.2*		ng/L	24.7		98.0	60-140			
Surrogate: 13C9-PFNA	*12.0*		ng/L	12.3		97.3	55-140			
Surrogate: 13C6-PFDA	*12.5*		ng/L	12.3		101	50-140			
Surrogate: 13C7-PFUnA	*12.1*		ng/L	12.3		97.9	30-140			
Surrogate: 13C2-PFDoA	*11.2*		ng/L	12.3		90.8	10-150			
Surrogate: 13C2-PFTeDA	*11.6*		ng/L	12.3		93.8	10-130			
Surrogate: 13C3-PFBS	*23.8*		ng/L	24.7		96.3	55-150			
Surrogate: 13C3-PFHxS	*25.0*		ng/L	24.7		101	55-150			
Surrogate: 13C8-PFOS	*23.6*		ng/L	24.7		95.6	45-140			
Surrogate: 13C2-4:2FTS	*39.2*		ng/L	49.3		79.5	60-200			
Surrogate: 13C2-6:2FTS	*46.1*		ng/L	49.3		93.5	60-200			
Surrogate: 13C2-8:2FTS	*47.5*		ng/L	49.3		96.2	50-200			
Surrogate: 13C8-PFOSA	*22.2*		ng/L	24.7		90.1	30-130			
Surrogate: D3-NMeFOSA	*18.2*		ng/L	24.7		73.9	15-130			
Surrogate: D5-NEtFOSA	*19.3*		ng/L	24.7		78.2	10-130			
Surrogate: D3-NMeFOSAA	*47.4*		ng/L	49.3		96.1	45-200			
Surrogate: D5-NEtFOSAA	*45.3*		ng/L	49.3		91.8	10-200			
Surrogate: D7-NMeFOSE	*229*		ng/L	247		92.9	10-150			
Surrogate: D9-NEtFOSE	*227*		ng/L	247		91.8	10-150			
Surrogate: 13C3-HFPO-DA	*99.8*		ng/L	98.7		101	25-160			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346639 - Draft Method 1633										
Blank (B346639-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B346639-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
Total Suspended Solids	180	5.0	mg/L	200		90.0	64.1-125			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
Draft Method 1633 in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
Perfluorobutanoic acid (PFBA)	NH-P,NY,PA,WV
Perfluoropentanoic acid (PFPeA)	NH-P,NY,PA,WV
Perfluorohexanoic acid (PFHxA)	NH-P,NY,PA,WV
Perfluoroheptanoic acid (PFHpA)	NH-P,NY,PA,WV
Perfluorooctanoic acid (PFOA)	NH-P,NY,PA,WV
Perfluorononanoic acid (PFNA)	NH-P,NY,PA,WV
Perfluorodecanoic acid (PFDA)	NH-P,NY,PA,WV
Perfluoroundecanoic acid (PFUnA)	NH-P,NY,PA,WV
Perfluorododecanoic acid (PFDoA)	NH-P,NY,PA,WV
Perfluorotridecanoic acid (PFTrDA)	NH-P,NY,PA,WV
Perfluorotetradecanoic acid (PFTeDA)	NH-P,NY,PA,WV
Perfluorobutanesulfonic acid (PFBS)	NH-P,NY,PA,WV
Perfluoropentanesulfonic acid (PFPeS)	NH-P,NY,PA,WV
Perfluorohexanesulfonic acid (PFHxS)	NH-P,NY,PA,WV
Perfluoroheptanesulfonic acid (PFHpS)	NH-P,NY,PA,WV
Perfluorooctanesulfonic acid (PFOS)	NH-P,NY,PA,WV
Perfluorononanesulfonic acid (PFNS)	NH-P,PA,WV
Perfluorodecanesulfonic acid (PFDS)	NH-P,PA,WV
Perfluorododecanesulfonic acid (PFDoS)	NH-P,PA,WV
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NH-P,PA,WV
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NH-P,NY,PA,WV
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NH-P,NY,PA,WV
Perfluorooctanesulfonamide (PFOSA)	NH-P,PA,WV
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	NH-P,PA,WV
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NH-P,PA,WV
N-MeFOSAA (NMeFOSAA)	NH-P,NY,PA,WV
N-EtFOSAA (NEtFOSAA)	NH-P,NY,PA,WV
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NH-P,PA,WV
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NH-P,PA,WV
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P,NY,PA,WV
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P,NY,PA,WV
9Cl-PF3ONS (F53B Minor)	NH-P,NY,PA,WV
11Cl-PF3OUdS (F53B Major)	NH-P,NY,PA,WV
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NH-P,PA,WV
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NH-P,PA,WV
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NH-P,PA,WV
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH-P,NY,PA,WV
Perfluoro-3-methoxypropanoic acid (PFMPA)	NH-P,NY,PA,WV
Perfluoro-4-methoxybutanoic acid (PFMBA)	NH-P,PA,WV
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P,PA,WV

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2024

ODY Analytical Request Document

ody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

2362141

1-5

ALL SHADED AREAS are for LAB USE ONLY

Billing Information: Callout ID: 147379 Project No: 1602533

Syracuse NY

st.com

Email To: northeastap@eaest.com

Site Collection Info/Address: Bayshore

Cust... nber: Sou... Outdoor - Off-Site

State: NY/ County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET

Phone: (4... 390-2213 Email:

Site/Facility ID #: 152228

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Jeremy Fontaine

Purchase Order #: Quote #: See billing info

DW PWS ID #: DW Location Code:

Collected By (signature):

Turnaround Date Required: 20 days

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PFAS 1633	TSS
1	SAVE-DPT-3-40	GW	G	7/11/23	1245				3	2	1
2	SAVE-DPT-3-50	GW		7/11/23	1335				3	2	1
3	SAVE-DPT-2-35	GW		7/11/23	1630				3	2	1
4	SAVE-DPT-2-45	GW		7/11/23	1705				3	2	1
5	DPT-FB-2-11072023	WATER		7/11/23	1745				2	2	
6	DPT-EQB-2-11072023	WATER		7/11/23	1750				2	2	
7	SAVE-DPT-1-40	GW		7/13/23	1520				7	6	1
8	SAVE-DPT-1-50	GW		7/13/23	1620				3	2	1
9	DPT-FB-4-13072023	WATER		7/13/23	1700				2	2	
10	DPT-EQB-3-13072023	WATER		7/13/23	1705				2	2	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Use SAVE-DPT-1-40 for MS/MSD.

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2793198

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 6B
Cooler 1 Temp Upon Receipt: 6.3 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments: 6.3C

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jeremy Fontaine EA	7/14/23 1230		7/14/23 12:30
MSMA(ANL)	7/14 1516		
MSMA(ANL)	7/14 2150		7/14 2130

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 2

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address:	
Report To:	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: / Email:	Site/Facility ID #:
Collected By (print):	Purchase Order #: / Quote #:
Collected By (signature):	Turnaround Date Required:
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: / DW Location Code:

Immediately Packed on Ice: [ ] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: PFAS 1633; TSS

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PFAS 1633	TSS
11	DPT-DUP-2	GW	G	7/13/23	—				3	2	1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2793199

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: GS
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 6.8C

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] EA	7/14/23 1230	[signature]	7/14/23 12:30
MSMA(AN)	7/14 2130	MSMA(AN)	7/14 1845
[signature]	7/14 2100	[signature]	7/15 0040

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 2

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0330 07-15-23

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NA

Deliverable Package Requirement NA

Location Bohemia, NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AM 7/15/23 930 ZEA

Back-Sheet By / Date / Time LA 7/18/23 934

Temperature Method Gun #5

Temp ☑ < 6° C Actual Temperature 2.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☐

Project ☐ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Sample
																				16oz Amb/Clear
																				8oz Amb/Clear
																				4oz Amb/Clear
																				2oz Amb/Clear
																				Unpreserved
																				HCL
																				Sulfuric
																				Sulfuric
																				Phosphoric
																				HCl
																				Unpreserved
																				Unpreserved
																				Sulfuric
																				Unpreserved
																				Sulfuric
																				Unpreserved
																				Trizma
																				Sulfuric
																				Nitric
																				NaOH
																				Ammonium Acetate
																				NaOH/Zinc
																				Unpreserved
																				HCl
																				MeOH
																				D.I. Water
																				BiSulfate
																				Col/Bact
																				Other

Soils Jars	(Circle Amb/Clear)
Ambers	1 Liter
	250mL
	100mL
Plastics	1 Liter
	500mL
	250mL
VOA Vials	
Other / Fill in	

Qualtrax ID: 120836

Data Package

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March 15, 2024

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

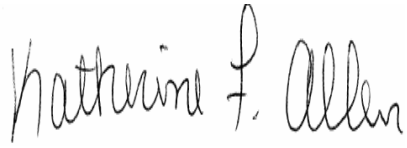
Project Location: Bay Shore, NY
Client Job Number:
Project Number: NYSDEC# 152228A / EA# 1602533
Laboratory Work Order Number: 24C0251

Enclosed are results of analyses for samples as received by the laboratory on March 1, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 3/15/2024

PURCHASE ORDER NUMBER: 1602533/0002/B

PROJECT NUMBER: NYSDEC# 152228A / EA# 1602533

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24C0251

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CVS-SV-2-28022024	24C0251-01	Soil Gas		EPA TO-15	
CVS-SV-1-28022024	24C0251-02	Soil Gas		EPA TO-15	
5AVE-SSV-3-28022024	24C0251-03	Sub Slab		EPA TO-15	
5AVE-IA-3-28022024	24C0251-04	Indoor air		EPA TO-15	
5AVE-SSV-2-28022024	24C0251-05	Sub Slab		EPA TO-15	
5AVE-IA-2-28022024	24C0251-06	Indoor air		EPA TO-15	
5AVE-SSV-1-28022024	24C0251-07	Sub Slab		EPA TO-15	
5AVE-IA-1-28022024	24C0251-08	Indoor air		EPA TO-15	
5AVE-OA-1-28022024	24C0251-09	Ambient Air		EPA TO-15	
SSV-DUP-28022024	24C0251-10	Sub Slab		-	
				EPA TO-15	
IA-DUP-28022024	24C0251-11	Indoor air		-	
				EPA TO-15	
UNUSED	24C0251-12			-	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

E Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

2-Butanone (MEK), Ethanol, Isopropanol

24C0251-11[IA-DUP-28022024], 24C0251-03[5AVE-SSV-3-28022024], 24C0251-04[5AVE-IA-3-28022024], 24C0251-06[5AVE-IA-2-28022024], 24C0251-08[5AVE-IA-1-28022024], 24C0251-09[5AVE-OA-1-28022024]

R-04 Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

B368536-DUP1

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



Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-2-28022024
Sample ID: 24C0251-01
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 1304
Canister Size: 6 liter
Flow Controller ID: 4402
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	3.3	4.0	2.0	J	7.8	9.5	4.8	2	3/14/24 6:19	TPH
Benzene	0.29	0.10	0.031		0.91	0.32	0.099	2	3/14/24 6:19	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 6:19	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 6:19	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 6:19	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 6:19	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 6:19	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 6:19	TPH
Carbon Disulfide	0.47	1.0	0.19	J	1.5	3.1	0.60	2	3/14/24 6:19	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 6:19	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 6:19	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 6:19	TPH
Chloroform	0.42	0.10	0.049		2.0	0.49	0.24	2	3/14/24 6:19	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 6:19	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 6:19	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 6:19	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 6:19	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 6:19	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 6:19	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 6:19	TPH
Dichlorodifluoromethane (Freon 12)	0.52	0.10	0.042		2.6	0.49	0.21	2	3/14/24 6:19	TPH
1,1-Dichloroethane	2.5	0.10	0.049		10	0.40	0.20	2	3/14/24 6:19	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 6:19	TPH
1,1-Dichloroethylene	0.086	0.10	0.070	J	0.34	0.40	0.28	2	3/14/24 6:19	TPH
cis-1,2-Dichloroethylene	1.8	0.10	0.048		7.2	0.40	0.19	2	3/14/24 6:19	TPH
trans-1,2-Dichloroethylene	0.16	0.10	0.047		0.65	0.40	0.19	2	3/14/24 6:19	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 6:19	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 6:19	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 6:19	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 6:19	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 6:19	TPH
Ethanol	ND	4.0	2.7		ND	7.5	5.0	2	3/14/24 6:19	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 6:19	TPH
Ethylbenzene	0.62	0.10	0.034		2.7	0.43	0.15	2	3/14/24 6:19	TPH
4-Ethyltoluene	0.34	0.10	0.043		1.7	0.49	0.21	2	3/14/24 6:19	TPH
Heptane	0.46	0.10	0.063		1.9	0.41	0.26	2	3/14/24 6:19	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 6:19	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 6:19	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 6:19	TPH
Isopropanol	ND	4.0	2.1		ND	9.8	5.2	2	3/14/24 6:19	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 6:19	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 6:19	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 6:19	TPH
Naphthalene	0.83	0.10	0.081		4.3	0.52	0.43	2	3/14/24 6:19	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 6:19	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 6:19	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 6:19	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-2-28022024
Sample ID: 24C0251-01
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:18

Sample Description/Location:
Sub Description/Location:
Canister ID: 1304
Canister Size: 6 liter
Flow Controller ID: 4402
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	19	0.10	0.086		130	0.68	0.58	2	3/14/24 6:19	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 6:19	TPH
Toluene	1.1	0.10	0.050		4.1	0.38	0.19	2	3/14/24 6:19	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 6:19	TPH
1,1,1-Trichloroethane	42	0.10	0.031		230	0.55	0.17	2	3/14/24 6:19	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 6:19	TPH
Trichloroethylene	100	0.50	0.38		560	2.7	2.1	10	3/14/24 6:46	TPH
Trichlorofluoromethane (Freon 11)	0.83	0.40	0.041		4.7	2.2	0.23	2	3/14/24 6:19	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.072	0.40	0.027	J	0.55	3.1	0.21	2	3/14/24 6:19	TPH
1,2,4-Trimethylbenzene	1.6	0.10	0.060		7.7	0.49	0.29	2	3/14/24 6:19	TPH
1,3,5-Trimethylbenzene	0.39	0.10	0.077		1.9	0.49	0.38	2	3/14/24 6:19	TPH
Vinyl Acetate	0.54	2.0	0.41	J	1.9	7.0	1.4	2	3/14/24 6:19	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 6:19	TPH
m&p-Xylene	2.0	0.20	0.070		8.9	0.87	0.30	2	3/14/24 6:19	TPH
o-Xylene	0.91	0.10	0.037		3.9	0.43	0.16	2	3/14/24 6:19	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.6	70-130	3/14/24 6:19
4-Bromofluorobenzene (1)	87.1	70-130	3/14/24 6:46

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-1-28022024
Sample ID: 24C0251-02
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1984
Canister Size: 6 liter
Flow Controller ID: 4446
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.6	4.0	2.0		21	9.5	4.8	2	3/14/24 5:51	TPH
Benzene	0.29	0.10	0.031		0.92	0.32	0.099	2	3/14/24 5:51	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 5:51	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 5:51	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 5:51	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 5:51	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 5:51	TPH
2-Butanone (MEK)	2.2	4.0	2.0	J	6.5	12	5.8	2	3/14/24 5:51	TPH
Carbon Disulfide	0.32	1.0	0.19	J	0.98	3.1	0.60	2	3/14/24 5:51	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 5:51	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 5:51	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 5:51	TPH
Chloroform	0.15	0.10	0.049		0.71	0.49	0.24	2	3/14/24 5:51	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 5:51	TPH
Cyclohexane	0.096	0.10	0.078	J	0.33	0.34	0.27	2	3/14/24 5:51	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 5:51	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 5:51	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 5:51	TPH
1,3-Dichlorobenzene	0.13	0.10	0.037		0.76	0.60	0.22	2	3/14/24 5:51	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 5:51	TPH
Dichlorodifluoromethane (Freon 12)	0.45	0.10	0.042		2.2	0.49	0.21	2	3/14/24 5:51	TPH
1,1-Dichloroethane	0.090	0.10	0.049	J	0.36	0.40	0.20	2	3/14/24 5:51	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 5:51	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 5:51	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 5:51	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 5:51	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 5:51	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 5:51	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 5:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 5:51	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 5:51	TPH
Ethanol	70	4.0	2.7		130	7.5	5.0	2	3/14/24 5:51	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 5:51	TPH
Ethylbenzene	0.27	0.10	0.034		1.2	0.43	0.15	2	3/14/24 5:51	TPH
4-Ethyltoluene	0.18	0.10	0.043		0.90	0.49	0.21	2	3/14/24 5:51	TPH
Heptane	0.25	0.10	0.063		1.0	0.41	0.26	2	3/14/24 5:51	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 5:51	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 5:51	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 5:51	TPH
Isopropanol	7.2	4.0	2.1		18	9.8	5.2	2	3/14/24 5:51	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 5:51	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 5:51	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 5:51	TPH
Naphthalene	0.17	0.10	0.081		0.91	0.52	0.43	2	3/14/24 5:51	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 5:51	TPH
Styrene	0.090	0.10	0.077	J	0.38	0.43	0.33	2	3/14/24 5:51	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 5:51	TPH

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: CVS-SV-1-28022024
Sample ID: 24C0251-02
Sample Matrix: Soil Gas
Sampled: 2/28/2024 16:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1984
Canister Size: 6 liter
Flow Controller ID: 4446
Sample Type: 2 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.23	0.10	0.086		1.5	0.68	0.58	2	3/14/24 5:51	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 5:51	TPH
Toluene	1.5	0.10	0.050		5.7	0.38	0.19	2	3/14/24 5:51	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 5:51	TPH
1,1,1-Trichloroethane	2.7	0.10	0.031		15	0.55	0.17	2	3/14/24 5:51	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 5:51	TPH
Trichloroethylene	2.5	0.10	0.077		14	0.54	0.41	2	3/14/24 5:51	TPH
Trichlorofluoromethane (Freon 11)	0.29	0.40	0.041	J	1.6	2.2	0.23	2	3/14/24 5:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.064	0.40	0.027	J	0.49	3.1	0.21	2	3/14/24 5:51	TPH
1,2,4-Trimethylbenzene	1.3	0.10	0.060		6.2	0.49	0.29	2	3/14/24 5:51	TPH
1,3,5-Trimethylbenzene	0.24	0.10	0.077		1.2	0.49	0.38	2	3/14/24 5:51	TPH
Vinyl Acetate	0.71	2.0	0.41	J	2.5	7.0	1.4	2	3/14/24 5:51	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 5:51	TPH
m&p-Xylene	0.96	0.20	0.070		4.2	0.87	0.30	2	3/14/24 5:51	TPH
o-Xylene	0.43	0.10	0.037		1.9	0.43	0.16	2	3/14/24 5:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.3	70-130	3/14/24 5:51

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-3-28022024
Sample ID: 24C0251-03
Sample Matrix: Sub Slab
Sampled: 2/28/2024 19:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1982
Canister Size: 6 liter
Flow Controller ID: 3336
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	13	4.0	2.0		31	9.5	4.8	2	3/14/24 5:23	TPH
Benzene	0.090	0.10	0.031	J	0.29	0.32	0.099	2	3/14/24 5:23	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 5:23	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 5:23	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 5:23	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 5:23	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 5:23	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 5:23	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 5:23	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 5:23	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 5:23	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 5:23	TPH
Chloroform	0.77	0.10	0.049		3.8	0.49	0.24	2	3/14/24 5:23	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 5:23	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 5:23	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 5:23	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 5:23	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 5:23	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 5:23	TPH
1,4-Dichlorobenzene	0.054	0.10	0.048	J	0.32	0.60	0.29	2	3/14/24 5:23	TPH
Dichlorodifluoromethane (Freon 12)	0.42	0.10	0.042		2.1	0.49	0.21	2	3/14/24 5:23	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 5:23	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 5:23	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 5:23	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 5:23	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 5:23	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 5:23	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 5:23	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 5:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 5:23	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 5:23	TPH
Ethanol	110	4.0	2.7	E	210	7.5	5.0	2	3/14/24 5:23	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 5:23	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 5:23	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 5:23	TPH
Heptane	0.080	0.10	0.063	J	0.33	0.41	0.26	2	3/14/24 5:23	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 5:23	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 5:23	TPH
2-Hexanone (MBK)	0.10	0.10	0.043		0.41	0.41	0.18	2	3/14/24 5:23	TPH
Isopropanol	15	4.0	2.1		37	9.8	5.2	2	3/14/24 5:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 5:23	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 5:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 5:23	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 5:23	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 5:23	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 5:23	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 5:23	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-3-28022024
Sample ID: 24C0251-03
Sample Matrix: Sub Slab
Sampled: 2/28/2024 19:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1982
Canister Size: 6 liter
Flow Controller ID: 3336
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.0	0.10	0.086		6.9	0.68	0.58	2	3/14/24 5:23	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 5:23	TPH
Toluene	0.13	0.10	0.050		0.48	0.38	0.19	2	3/14/24 5:23	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 5:23	TPH
1,1,1-Trichloroethane	1.1	0.10	0.031		5.8	0.55	0.17	2	3/14/24 5:23	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 5:23	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 5:23	TPH
Trichlorofluoromethane (Freon 11)	1.4	0.40	0.041		7.6	2.2	0.23	2	3/14/24 5:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.096	0.40	0.027	J	0.74	3.1	0.21	2	3/14/24 5:23	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 5:23	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 5:23	TPH
Vinyl Acetate	0.56	2.0	0.41	J	2.0	7.0	1.4	2	3/14/24 5:23	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 5:23	TPH
m&p-Xylene	ND	0.20	0.070		ND	0.87	0.30	2	3/14/24 5:23	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 5:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.5	70-130	3/14/24 5:23

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-3-28022024
Sample ID: 24C0251-04
Sample Matrix: Indoor air
Sampled: 2/28/2024 19:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1056
Canister Size: 6 liter
Flow Controller ID: 3160
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -10.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	24	1.4	0.71		58	3.3	1.7	0.696	3/14/24 0:50	TPH
Benzene	0.19	0.035	0.011		0.60	0.11	0.034	0.696	3/14/24 0:50	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.696	3/14/24 0:50	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.696	3/14/24 0:50	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.696	3/14/24 0:50	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	3/14/24 0:50	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.11	0.696	3/14/24 0:50	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.064	0.696	3/14/24 0:50	TPH
2-Butanone (MEK)	4.7	1.4	0.68		14	4.1	2.0	0.696	3/14/24 0:50	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.696	3/14/24 0:50	TPH
Carbon Tetrachloride	0.070	0.035	0.027		0.44	0.22	0.17	0.696	3/14/24 0:50	TPH
Carbon Tetrachloride (SIM)	0.067	0.0070	0.0014		0.42	0.044	0.009	0.696	3/14/24 0:50	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.696	3/14/24 0:50	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.696	3/14/24 0:50	TPH
Chloroform	0.033	0.035	0.017	J	0.16	0.17	0.083	0.696	3/14/24 0:50	TPH
Chloroform (SIM)	0.039	0.0070	0.0018		0.19	0.034	0.0087	0.696	3/14/24 0:50	TPH
Chloromethane	0.76	0.070	0.047		1.6	0.14	0.096	0.696	3/14/24 0:50	TPH
Cyclohexane	0.070	0.035	0.027		0.24	0.12	0.093	0.696	3/14/24 0:50	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	3/14/24 0:50	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.696	3/14/24 0:50	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	3/14/24 0:50	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	3/14/24 0:50	TPH
1,4-Dichlorobenzene	2.3	0.035	0.017		14	0.21	0.10	0.696	3/14/24 0:50	TPH
Dichlorodifluoromethane (Freon 12)	0.77	0.035	0.015		3.8	0.17	0.072	0.696	3/14/24 0:50	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.696	3/14/24 0:50	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.696	3/14/24 0:50	TPH
1,2-Dichloroethane	0.072	0.035	0.013		0.29	0.14	0.053	0.696	3/14/24 0:50	TPH
1,2-Dichloroethane (SIM)	0.070	0.0070	0.0014		0.28	0.028	0.0058	0.696	3/14/24 0:50	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.696	3/14/24 0:50	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.696	3/14/24 0:50	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.696	3/14/24 0:50	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.696	3/14/24 0:50	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.696	3/14/24 0:50	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.696	3/14/24 0:50	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.696	3/14/24 0:50	TPH
1,2-Dichloropropane (SIM)	0.0097	0.0070	0.0014		0.045	0.032	0.0066	0.696	3/14/24 0:50	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.696	3/14/24 0:50	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.696	3/14/24 0:50	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.696	3/14/24 0:50	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.021	0.696	3/14/24 0:50	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.42	0.035	0.014		2.9	0.24	0.097	0.696	3/14/24 0:50	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	3/14/24 0:50	TPH
Ethanol	1500	1.4	0.92	E	2800	2.6	1.7	0.696	3/14/24 0:50	TPH
Ethyl Acetate	0.93	0.35	0.14		3.3	1.3	0.49	0.696	3/14/24 0:50	TPH
Ethylbenzene	0.084	0.035	0.012		0.36	0.15	0.051	0.696	3/14/24 0:50	TPH
4-Ethyltoluene	0.33	0.035	0.015		1.6	0.17	0.074	0.696	3/14/24 0:50	TPH
Heptane	0.31	0.035	0.022		1.3	0.14	0.090	0.696	3/14/24 0:50	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-3-28022024
Sample ID: 24C0251-04
Sample Matrix: Indoor air
Sampled: 2/28/2024 19:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1056
Canister Size: 6 liter
Flow Controller ID: 3160
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -10.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	3/14/24 0:50	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.696	3/14/24 0:50	TPH
2-Hexanone (MBK)	0.10	0.035	0.015		0.43	0.14	0.062	0.696	3/14/24 0:50	TPH
Isopropanol	170	1.4	0.73	E	420	3.4	1.8	0.696	3/14/24 0:50	TPH
Methyl tert-Butyl Ether (MTBE)	0.022	0.035	0.017	J	0.078	0.13	0.062	0.696	3/14/24 0:50	TPH
Methylene Chloride	0.15	0.35	0.094	J	0.51	1.2	0.32	0.696	3/14/24 0:50	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.696	3/14/24 0:50	TPH
Naphthalene	0.038	0.035	0.028		0.20	0.18	0.15	0.696	3/14/24 0:50	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.696	3/14/24 0:50	TPH
Styrene	0.15	0.035	0.027		0.63	0.15	0.11	0.696	3/14/24 0:50	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	3/14/24 0:50	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.696	3/14/24 0:50	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.696	3/14/24 0:50	TPH
Tetrahydrofuran	0.27	0.35	0.13	J	0.81	1.0	0.39	0.696	3/14/24 0:50	TPH
Toluene	0.67	0.035	0.017		2.5	0.13	0.066	0.696	3/14/24 0:50	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	3/14/24 0:50	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.696	3/14/24 0:50	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.696	3/14/24 0:50	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0048	0.696	3/14/24 0:50	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.696	3/14/24 0:50	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.696	3/14/24 0:50	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.14	0.014		1.4	0.78	0.080	0.696	3/14/24 0:50	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.11	0.14	0.0095	J	0.86	1.1	0.073	0.696	3/14/24 0:50	TPH
1,2,4-Trimethylbenzene	2.5	0.035	0.021		12	0.17	0.10	0.696	3/14/24 0:50	TPH
1,3,5-Trimethylbenzene	0.88	0.035	0.027		4.3	0.17	0.13	0.696	3/14/24 0:50	TPH
Vinyl Acetate	0.88	0.70	0.14		3.1	2.5	0.50	0.696	3/14/24 0:50	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.696	3/14/24 0:50	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.696	3/14/24 0:50	TPH
m&p-Xylene	0.19	0.070	0.024		0.83	0.30	0.11	0.696	3/14/24 0:50	TPH
o-Xylene	0.17	0.035	0.013		0.73	0.15	0.055	0.696	3/14/24 0:50	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	93.0	70-130	3/14/24	0:50
4-Bromofluorobenzene (1) (SIM)	97.5	70-130	3/14/24	0:50

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-2-28022024
Sample ID: 24C0251-05
Sample Matrix: Sub Slab
Sampled: 2/28/2024 18:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2023
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	9.9	4.0	2.0		24	9.5	4.8	2	3/14/24 4:55	TPH
Benzene	0.052	0.10	0.031	J	0.17	0.32	0.099	2	3/14/24 4:55	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 4:55	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 4:55	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 4:55	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 4:55	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 4:55	TPH
2-Butanone (MEK)	7.3	4.0	2.0		22	12	5.8	2	3/14/24 4:55	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 4:55	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 4:55	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 4:55	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 4:55	TPH
Chloroform	6.0	0.10	0.049		30	0.49	0.24	2	3/14/24 4:55	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 4:55	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 4:55	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 4:55	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 4:55	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 4:55	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 4:55	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 4:55	TPH
Dichlorodifluoromethane (Freon 12)	0.39	0.10	0.042		1.9	0.49	0.21	2	3/14/24 4:55	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 4:55	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 4:55	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 4:55	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 4:55	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 4:55	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 4:55	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 4:55	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 4:55	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 4:55	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 4:55	TPH
Ethanol	36	4.0	2.7		68	7.5	5.0	2	3/14/24 4:55	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 4:55	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 4:55	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 4:55	TPH
Heptane	0.076	0.10	0.063	J	0.31	0.41	0.26	2	3/14/24 4:55	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 4:55	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 4:55	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 4:55	TPH
Isopropanol	3.4	4.0	2.1	J	8.4	9.8	5.2	2	3/14/24 4:55	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 4:55	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 4:55	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 4:55	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 4:55	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 4:55	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 4:55	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 4:55	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-2-28022024
Sample ID: 24C0251-05
Sample Matrix: Sub Slab
Sampled: 2/28/2024 18:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2023
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.11	0.10	0.086		0.73	0.68	0.58	2	3/14/24 4:55	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 4:55	TPH
Toluene	0.078	0.10	0.050	J	0.29	0.38	0.19	2	3/14/24 4:55	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 4:55	TPH
1,1,1-Trichloroethane	0.22	0.10	0.031		1.2	0.55	0.17	2	3/14/24 4:55	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 4:55	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 4:55	TPH
Trichlorofluoromethane (Freon 11)	0.25	0.40	0.041	J	1.4	2.2	0.23	2	3/14/24 4:55	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.074	0.40	0.027	J	0.57	3.1	0.21	2	3/14/24 4:55	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 4:55	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 4:55	TPH
Vinyl Acetate	0.42	2.0	0.41	J	1.5	7.0	1.4	2	3/14/24 4:55	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 4:55	TPH
m&p-Xylene	ND	0.20	0.070		ND	0.87	0.30	2	3/14/24 4:55	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 4:55	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	90.7	70-130	3/14/24 4:55	

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-2-28022024
Sample ID: 24C0251-06
Sample Matrix: Indoor air
Sampled: 2/28/2024 18:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1966
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	18	1.4	0.71		44	3.3	1.7	0.698	3/14/24 1:23	TPH
Benzene	0.16	0.035	0.011		0.50	0.11	0.034	0.698	3/14/24 1:23	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.698	3/14/24 1:23	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.698	3/14/24 1:23	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.698	3/14/24 1:23	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	3/14/24 1:23	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.12	0.698	3/14/24 1:23	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.065	0.698	3/14/24 1:23	TPH
2-Butanone (MEK)	34	1.4	0.68		100	4.1	2.0	0.698	3/14/24 1:23	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	3/14/24 1:23	TPH
Carbon Tetrachloride	0.079	0.035	0.027		0.50	0.22	0.17	0.698	3/14/24 1:23	TPH
Carbon Tetrachloride (SIM)	0.070	0.0070	0.0014		0.44	0.044	0.009	0.698	3/14/24 1:23	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.698	3/14/24 1:23	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.698	3/14/24 1:23	TPH
Chloroform	0.038	0.035	0.017		0.19	0.17	0.083	0.698	3/14/24 1:23	TPH
Chloroform (SIM)	0.038	0.0070	0.0018		0.19	0.034	0.0087	0.698	3/14/24 1:23	TPH
Chloromethane	0.61	0.070	0.047		1.3	0.14	0.096	0.698	3/14/24 1:23	TPH
Cyclohexane	0.048	0.035	0.027		0.17	0.12	0.093	0.698	3/14/24 1:23	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.698	3/14/24 1:23	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.698	3/14/24 1:23	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	3/14/24 1:23	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	3/14/24 1:23	TPH
1,4-Dichlorobenzene	0.083	0.035	0.017		0.50	0.21	0.10	0.698	3/14/24 1:23	TPH
Dichlorodifluoromethane (Freon 12)	0.46	0.035	0.015		2.3	0.17	0.072	0.698	3/14/24 1:23	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.698	3/14/24 1:23	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.698	3/14/24 1:23	TPH
1,2-Dichloroethane	0.082	0.035	0.013		0.33	0.14	0.053	0.698	3/14/24 1:23	TPH
1,2-Dichloroethane (SIM)	0.077	0.0070	0.0014		0.31	0.028	0.0058	0.698	3/14/24 1:23	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.698	3/14/24 1:23	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.698	3/14/24 1:23	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.698	3/14/24 1:23	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.698	3/14/24 1:23	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.698	3/14/24 1:23	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.698	3/14/24 1:23	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.698	3/14/24 1:23	TPH
1,2-Dichloropropane (SIM)	0.0070	0.0070	0.0014		0.032	0.032	0.0066	0.698	3/14/24 1:23	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.698	3/14/24 1:23	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.698	3/14/24 1:23	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.698	3/14/24 1:23	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.022	0.698	3/14/24 1:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.015	0.035	0.014	J	0.10	0.24	0.098	0.698	3/14/24 1:23	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	3/14/24 1:23	TPH
Ethanol	420	1.4	0.93	E	790	2.6	1.7	0.698	3/14/24 1:23	TPH
Ethyl Acetate	1.5	0.35	0.14		5.4	1.3	0.49	0.698	3/14/24 1:23	TPH
Ethylbenzene	0.068	0.035	0.012		0.29	0.15	0.052	0.698	3/14/24 1:23	TPH
4-Ethyltoluene	0.070	0.035	0.015		0.35	0.17	0.075	0.698	3/14/24 1:23	TPH
Heptane	0.14	0.035	0.022		0.56	0.14	0.090	0.698	3/14/24 1:23	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-2-28022024
Sample ID: 24C0251-06
Sample Matrix: Indoor air
Sampled: 2/28/2024 18:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1966
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	3/14/24 1:23	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.698	3/14/24 1:23	TPH
2-Hexanone (MBK)	0.022	0.035	0.015	J	0.089	0.14	0.062	0.698	3/14/24 1:23	TPH
Isopropanol	25	1.4	0.73		61	3.4	1.8	0.698	3/14/24 1:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	3/14/24 1:23	TPH
Methylene Chloride	0.13	0.35	0.094	J	0.46	1.2	0.33	0.698	3/14/24 1:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.698	3/14/24 1:23	TPH
Naphthalene	0.044	0.035	0.028		0.23	0.18	0.15	0.698	3/14/24 1:23	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.698	3/14/24 1:23	TPH
Styrene	0.29	0.035	0.027		1.2	0.15	0.12	0.698	3/14/24 1:23	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	3/14/24 1:23	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.698	3/14/24 1:23	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.698	3/14/24 1:23	TPH
Tetrahydrofuran	ND	0.35	0.13		ND	1.0	0.39	0.698	3/14/24 1:23	TPH
Toluene	0.50	0.035	0.017		1.9	0.13	0.066	0.698	3/14/24 1:23	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	3/14/24 1:23	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	3/14/24 1:23	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.698	3/14/24 1:23	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0049	0.698	3/14/24 1:23	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.698	3/14/24 1:23	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.698	3/14/24 1:23	TPH
Trichlorofluoromethane (Freon 11)	0.22	0.14	0.014		1.2	0.78	0.080	0.698	3/14/24 1:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.071	0.14	0.0095	J	0.55	1.1	0.073	0.698	3/14/24 1:23	TPH
1,2,4-Trimethylbenzene	0.60	0.035	0.021		2.9	0.17	0.10	0.698	3/14/24 1:23	TPH
1,3,5-Trimethylbenzene	0.15	0.035	0.027		0.74	0.17	0.13	0.698	3/14/24 1:23	TPH
Vinyl Acetate	0.43	0.70	0.14	J	1.5	2.5	0.50	0.698	3/14/24 1:23	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.698	3/14/24 1:23	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.698	3/14/24 1:23	TPH
m&p-Xylene	0.19	0.070	0.024		0.82	0.30	0.11	0.698	3/14/24 1:23	TPH
o-Xylene	0.090	0.035	0.013		0.39	0.15	0.055	0.698	3/14/24 1:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.4	70-130	3/14/24 1:23
4-Bromofluorobenzene (1) (SIM)	95.8	70-130	3/14/24 1:23

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-1-28022024
Sample ID: 24C0251-07
Sample Matrix: Sub Slab
Sampled: 2/28/2024 20:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1236
Canister Size: 6 liter
Flow Controller ID: 3085
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	3.6	4.0	2.0	J	8.6	9.5	4.8	2	3/14/24 4:27	TPH
Benzene	0.038	0.10	0.031	J	0.12	0.32	0.099	2	3/14/24 4:27	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 4:27	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 4:27	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 4:27	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 4:27	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 4:27	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 4:27	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 4:27	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 4:27	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 4:27	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 4:27	TPH
Chloroform	1.4	0.10	0.049		6.6	0.49	0.24	2	3/14/24 4:27	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 4:27	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 4:27	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 4:27	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 4:27	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 4:27	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 4:27	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 4:27	TPH
Dichlorodifluoromethane (Freon 12)	0.31	0.10	0.042		1.6	0.49	0.21	2	3/14/24 4:27	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 4:27	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 4:27	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 4:27	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 4:27	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 4:27	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 4:27	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 4:27	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 4:27	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 4:27	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 4:27	TPH
Ethanol	26	4.0	2.7		49	7.5	5.0	2	3/14/24 4:27	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 4:27	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 4:27	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 4:27	TPH
Heptane	ND	0.10	0.063		ND	0.41	0.26	2	3/14/24 4:27	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 4:27	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 4:27	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 4:27	TPH
Isopropanol	ND	4.0	2.1		ND	9.8	5.2	2	3/14/24 4:27	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 4:27	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 4:27	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 4:27	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 4:27	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 4:27	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 4:27	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 4:27	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-SSV-1-28022024
Sample ID: 24C0251-07
Sample Matrix: Sub Slab
Sampled: 2/28/2024 20:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1236
Canister Size: 6 liter
Flow Controller ID: 3085
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.088	0.10	0.086	J	0.60	0.68	0.58	2	3/14/24 4:27	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 4:27	TPH
Toluene	0.17	0.10	0.050		0.65	0.38	0.19	2	3/14/24 4:27	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 4:27	TPH
1,1,1-Trichloroethane	13	0.10	0.031		72	0.55	0.17	2	3/14/24 4:27	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 4:27	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 4:27	TPH
Trichlorofluoromethane (Freon 11)	0.26	0.40	0.041	J	1.5	2.2	0.23	2	3/14/24 4:27	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.062	0.40	0.027	J	0.48	3.1	0.21	2	3/14/24 4:27	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 4:27	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 4:27	TPH
Vinyl Acetate	0.48	2.0	0.41	J	1.7	7.0	1.4	2	3/14/24 4:27	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 4:27	TPH
m&p-Xylene	0.11	0.20	0.070	J	0.46	0.87	0.30	2	3/14/24 4:27	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 4:27	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	92.1	70-130		3/14/24 4:27

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-1-28022024
Sample ID: 24C0251-08
Sample Matrix: Indoor air
Sampled: 2/28/2024 20:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 1961
Canister Size: 6 liter
Flow Controller ID: 3561
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -10.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	10	1.4	0.71		24	3.3	1.7	0.696	3/14/24 1:56	TPH
Benzene	0.43	0.035	0.011		1.4	0.11	0.034	0.696	3/14/24 1:56	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.696	3/14/24 1:56	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.696	3/14/24 1:56	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.696	3/14/24 1:56	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	3/14/24 1:56	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.11	0.696	3/14/24 1:56	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.064	0.696	3/14/24 1:56	TPH
2-Butanone (MEK)	1.6	1.4	0.68		4.8	4.1	2.0	0.696	3/14/24 1:56	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.696	3/14/24 1:56	TPH
Carbon Tetrachloride	0.20	0.035	0.027		1.3	0.22	0.17	0.696	3/14/24 1:56	TPH
Carbon Tetrachloride (SIM)	0.20	0.0070	0.0014		1.3	0.044	0.009	0.696	3/14/24 1:56	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.696	3/14/24 1:56	TPH
Chloroethane	0.033	0.035	0.032	J	0.088	0.092	0.084	0.696	3/14/24 1:56	TPH
Chloroform	0.28	0.035	0.017		1.4	0.17	0.083	0.696	3/14/24 1:56	TPH
Chloroform (SIM)	0.28	0.0070	0.0018		1.4	0.034	0.0087	0.696	3/14/24 1:56	TPH
Chloromethane	0.67	0.070	0.047		1.4	0.14	0.096	0.696	3/14/24 1:56	TPH
Cyclohexane	0.081	0.035	0.027		0.28	0.12	0.093	0.696	3/14/24 1:56	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	3/14/24 1:56	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.696	3/14/24 1:56	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	3/14/24 1:56	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	3/14/24 1:56	TPH
1,4-Dichlorobenzene	0.097	0.035	0.017		0.59	0.21	0.10	0.696	3/14/24 1:56	TPH
Dichlorodifluoromethane (Freon 12)	1.5	0.035	0.015		7.3	0.17	0.072	0.696	3/14/24 1:56	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.696	3/14/24 1:56	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.696	3/14/24 1:56	TPH
1,2-Dichloroethane	0.014	0.035	0.013	J	0.056	0.14	0.053	0.696	3/14/24 1:56	TPH
1,2-Dichloroethane (SIM)	0.017	0.0070	0.0014		0.070	0.028	0.0058	0.696	3/14/24 1:56	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.696	3/14/24 1:56	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.696	3/14/24 1:56	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.696	3/14/24 1:56	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.696	3/14/24 1:56	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.696	3/14/24 1:56	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.696	3/14/24 1:56	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.696	3/14/24 1:56	TPH
1,2-Dichloropropane (SIM)	ND	0.0070	0.0014		ND	0.032	0.0066	0.696	3/14/24 1:56	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.696	3/14/24 1:56	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.696	3/14/24 1:56	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.696	3/14/24 1:56	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.021	0.696	3/14/24 1:56	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.017	0.035	0.014	J	0.12	0.24	0.097	0.696	3/14/24 1:56	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	3/14/24 1:56	TPH
Ethanol	860	1.4	0.92	E	1600	2.6	1.7	0.696	3/14/24 1:56	TPH
Ethyl Acetate	1.2	0.35	0.14		4.3	1.3	0.49	0.696	3/14/24 1:56	TPH
Ethylbenzene	0.12	0.035	0.012		0.50	0.15	0.051	0.696	3/14/24 1:56	TPH
4-Ethyltoluene	0.027	0.035	0.015	J	0.13	0.17	0.074	0.696	3/14/24 1:56	TPH
Heptane	0.25	0.035	0.022		1.0	0.14	0.090	0.696	3/14/24 1:56	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-IA-1-28022024
Sample ID: 24C0251-08
Sample Matrix: Indoor air
Sampled: 2/28/2024 20:51

Sample Description/Location:
Sub Description/Location:
Canister ID: 1961
Canister Size: 6 liter
Flow Controller ID: 3561
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -10.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	3/14/24 1:56	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.696	3/14/24 1:56	TPH
2-Hexanone (MBK)	0.12	0.035	0.015		0.50	0.14	0.062	0.696	3/14/24 1:56	TPH
Isopropanol	2.3	1.4	0.73		5.6	3.4	1.8	0.696	3/14/24 1:56	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.696	3/14/24 1:56	TPH
Methylene Chloride	0.31	0.35	0.094	J	1.1	1.2	0.32	0.696	3/14/24 1:56	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.696	3/14/24 1:56	TPH
Naphthalene	0.050	0.035	0.028		0.26	0.18	0.15	0.696	3/14/24 1:56	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.696	3/14/24 1:56	TPH
Styrene	0.096	0.035	0.027		0.41	0.15	0.11	0.696	3/14/24 1:56	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	3/14/24 1:56	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.696	3/14/24 1:56	TPH
Tetrachloroethylene	0.048	0.035	0.030		0.33	0.24	0.20	0.696	3/14/24 1:56	TPH
Tetrahydrofuran	0.39	0.35	0.13		1.2	1.0	0.39	0.696	3/14/24 1:56	TPH
Toluene	0.68	0.035	0.017		2.6	0.13	0.066	0.696	3/14/24 1:56	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	3/14/24 1:56	TPH
1,1,1-Trichloroethane	0.032	0.035	0.011	J	0.17	0.19	0.059	0.696	3/14/24 1:56	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.696	3/14/24 1:56	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0048	0.696	3/14/24 1:56	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.696	3/14/24 1:56	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.696	3/14/24 1:56	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.14	0.014		1.4	0.78	0.080	0.696	3/14/24 1:56	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.15	0.14	0.0095		1.1	1.1	0.073	0.696	3/14/24 1:56	TPH
1,2,4-Trimethylbenzene	0.18	0.035	0.021		0.89	0.17	0.10	0.696	3/14/24 1:56	TPH
1,3,5-Trimethylbenzene	0.051	0.035	0.027		0.25	0.17	0.13	0.696	3/14/24 1:56	TPH
Vinyl Acetate	2.8	0.70	0.14		10	2.5	0.50	0.696	3/14/24 1:56	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.696	3/14/24 1:56	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.696	3/14/24 1:56	TPH
m&p-Xylene	0.31	0.070	0.024		1.3	0.30	0.11	0.696	3/14/24 1:56	TPH
o-Xylene	0.15	0.035	0.013		0.64	0.15	0.055	0.696	3/14/24 1:56	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	93.0	70-130	3/14/24	1:56
4-Bromofluorobenzene (1) (SIM)	97.3	70-130	3/14/24	1:56

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-OA-1-28022024
Sample ID: 24C0251-09
Sample Matrix: Ambient Air
Sampled: 2/28/2024 18:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 2197
Canister Size: 6 liter
Flow Controller ID: 3559
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	4.6	1.4	0.71		11	3.3	1.7	0.698	3/14/24 2:29	TPH
Benzene	0.066	0.035	0.011		0.21	0.11	0.034	0.698	3/14/24 2:29	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.698	3/14/24 2:29	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.698	3/14/24 2:29	TPH
Bromodichloromethane (SIM)	0.011	0.0070	0.0019		0.075	0.047	0.013	0.698	3/14/24 2:29	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.698	3/14/24 2:29	TPH
Bromomethane	ND	0.035	0.030		ND	0.14	0.12	0.698	3/14/24 2:29	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.065	0.698	3/14/24 2:29	TPH
2-Butanone (MEK)	1.1	1.4	0.68	J	3.4	4.1	2.0	0.698	3/14/24 2:29	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.698	3/14/24 2:29	TPH
Carbon Tetrachloride	0.082	0.035	0.027		0.52	0.22	0.17	0.698	3/14/24 2:29	TPH
Carbon Tetrachloride (SIM)	0.073	0.0070	0.0014		0.46	0.044	0.009	0.698	3/14/24 2:29	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.698	3/14/24 2:29	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.698	3/14/24 2:29	TPH
Chloroform	0.050	0.035	0.017		0.25	0.17	0.083	0.698	3/14/24 2:29	TPH
Chloroform (SIM)	0.051	0.0070	0.0018		0.25	0.034	0.0087	0.698	3/14/24 2:29	TPH
Chloromethane	0.56	0.070	0.047		1.2	0.14	0.096	0.698	3/14/24 2:29	TPH
Cyclohexane	0.033	0.035	0.027	J	0.11	0.12	0.093	0.698	3/14/24 2:29	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.698	3/14/24 2:29	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.698	3/14/24 2:29	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.698	3/14/24 2:29	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.698	3/14/24 2:29	TPH
1,4-Dichlorobenzene	ND	0.035	0.017		ND	0.21	0.10	0.698	3/14/24 2:29	TPH
Dichlorodifluoromethane (Freon 12)	0.74	0.035	0.015		3.6	0.17	0.072	0.698	3/14/24 2:29	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.698	3/14/24 2:29	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.698	3/14/24 2:29	TPH
1,2-Dichloroethane	0.026	0.035	0.013	J	0.10	0.14	0.053	0.698	3/14/24 2:29	TPH
1,2-Dichloroethane (SIM)	0.028	0.0070	0.0014		0.11	0.028	0.0058	0.698	3/14/24 2:29	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.698	3/14/24 2:29	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.698	3/14/24 2:29	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.698	3/14/24 2:29	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.698	3/14/24 2:29	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.698	3/14/24 2:29	TPH
trans-1,2-Dichloroethylene (SIM)	0.010	0.0070	0.0017		0.041	0.028	0.0069	0.698	3/14/24 2:29	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.698	3/14/24 2:29	TPH
1,2-Dichloropropane (SIM)	ND	0.0070	0.0014		ND	0.032	0.0066	0.698	3/14/24 2:29	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.698	3/14/24 2:29	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.698	3/14/24 2:29	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.698	3/14/24 2:29	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.022	0.698	3/14/24 2:29	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.019	0.035	0.014	J	0.13	0.24	0.098	0.698	3/14/24 2:29	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	3/14/24 2:29	TPH
Ethanol	47	1.4	0.93	E	88	2.6	1.7	0.698	3/14/24 2:29	TPH
Ethyl Acetate	0.67	0.35	0.14		2.4	1.3	0.49	0.698	3/14/24 2:29	TPH
Ethylbenzene	ND	0.035	0.012		ND	0.15	0.052	0.698	3/14/24 2:29	TPH
4-Ethyltoluene	ND	0.035	0.015		ND	0.17	0.075	0.698	3/14/24 2:29	TPH
Heptane	ND	0.035	0.022		ND	0.14	0.090	0.698	3/14/24 2:29	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: 5AVE-OA-1-28022024
Sample ID: 24C0251-09
Sample Matrix: Ambient Air
Sampled: 2/28/2024 18:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 2197
Canister Size: 6 liter
Flow Controller ID: 3559
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.698	3/14/24 2:29	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.698	3/14/24 2:29	TPH
2-Hexanone (MBK)	ND	0.035	0.015		ND	0.14	0.062	0.698	3/14/24 2:29	TPH
Isopropanol	11	1.4	0.73		27	3.4	1.8	0.698	3/14/24 2:29	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	3/14/24 2:29	TPH
Methylene Chloride	0.12	0.35	0.094	J	0.40	1.2	0.33	0.698	3/14/24 2:29	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.698	3/14/24 2:29	TPH
Naphthalene	ND	0.035	0.028		ND	0.18	0.15	0.698	3/14/24 2:29	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.698	3/14/24 2:29	TPH
Styrene	ND	0.035	0.027		ND	0.15	0.12	0.698	3/14/24 2:29	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	3/14/24 2:29	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.698	3/14/24 2:29	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.698	3/14/24 2:29	TPH
Tetrahydrofuran	ND	0.35	0.13		ND	1.0	0.39	0.698	3/14/24 2:29	TPH
Toluene	ND	0.035	0.017		ND	0.13	0.066	0.698	3/14/24 2:29	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.698	3/14/24 2:29	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.698	3/14/24 2:29	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.698	3/14/24 2:29	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0049	0.698	3/14/24 2:29	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.698	3/14/24 2:29	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.698	3/14/24 2:29	TPH
Trichlorofluoromethane (Freon 11)	0.22	0.14	0.014		1.3	0.78	0.080	0.698	3/14/24 2:29	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.082	0.14	0.0095	J	0.63	1.1	0.073	0.698	3/14/24 2:29	TPH
1,2,4-Trimethylbenzene	ND	0.035	0.021		ND	0.17	0.10	0.698	3/14/24 2:29	TPH
1,3,5-Trimethylbenzene	ND	0.035	0.027		ND	0.17	0.13	0.698	3/14/24 2:29	TPH
Vinyl Acetate	ND	0.70	0.14		ND	2.5	0.50	0.698	3/14/24 2:29	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.698	3/14/24 2:29	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.698	3/14/24 2:29	TPH
m&p-Xylene	ND	0.070	0.024		ND	0.30	0.11	0.698	3/14/24 2:29	TPH
o-Xylene	ND	0.035	0.013		ND	0.15	0.055	0.698	3/14/24 2:29	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.0	70-130	3/14/24 2:29
4-Bromofluorobenzene (1) (SIM)	94.6	70-130	3/14/24 2:29

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: SSV-DUP-28022024
Sample ID: 24C0251-10
Sample Matrix: Sub Slab
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1741
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.4	4.0	2.0		20	9.5	4.8	2	3/14/24 3:31	TPH
Benzene	0.052	0.10	0.031	J	0.17	0.32	0.099	2	3/14/24 3:31	TPH
Benzyl chloride	ND	0.10	0.054		ND	0.52	0.28	2	3/14/24 3:31	TPH
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	3/14/24 3:31	TPH
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	3/14/24 3:31	TPH
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	3/14/24 3:31	TPH
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	3/14/24 3:31	TPH
2-Butanone (MEK)	ND	4.0	2.0		ND	12	5.8	2	3/14/24 3:31	TPH
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	3/14/24 3:31	TPH
Carbon Tetrachloride	ND	0.10	0.079		ND	0.63	0.50	2	3/14/24 3:31	TPH
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	3/14/24 3:31	TPH
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	3/14/24 3:31	TPH
Chloroform	7.0	0.10	0.049		34	0.49	0.24	2	3/14/24 3:31	TPH
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	3/14/24 3:31	TPH
Cyclohexane	ND	0.10	0.078		ND	0.34	0.27	2	3/14/24 3:31	TPH
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	3/14/24 3:31	TPH
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	3/14/24 3:31	TPH
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	3/14/24 3:31	TPH
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	3/14/24 3:31	TPH
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	3/14/24 3:31	TPH
Dichlorodifluoromethane (Freon 12)	0.25	0.10	0.042		1.2	0.49	0.21	2	3/14/24 3:31	TPH
1,1-Dichloroethane	ND	0.10	0.049		ND	0.40	0.20	2	3/14/24 3:31	TPH
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	3/14/24 3:31	TPH
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	3/14/24 3:31	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.048		ND	0.40	0.19	2	3/14/24 3:31	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	3/14/24 3:31	TPH
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	3/14/24 3:31	TPH
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	3/14/24 3:31	TPH
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	3/14/24 3:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	3/14/24 3:31	TPH
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	3/14/24 3:31	TPH
Ethanol	11	4.0	2.7		20	7.5	5.0	2	3/14/24 3:31	TPH
Ethyl Acetate	ND	1.0	0.39		ND	3.6	1.4	2	3/14/24 3:31	TPH
Ethylbenzene	ND	0.10	0.034		ND	0.43	0.15	2	3/14/24 3:31	TPH
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	3/14/24 3:31	TPH
Heptane	0.11	0.10	0.063		0.44	0.41	0.26	2	3/14/24 3:31	TPH
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	3/14/24 3:31	TPH
Hexane	ND	4.0	2.1		ND	14	7.4	2	3/14/24 3:31	TPH
2-Hexanone (MBK)	ND	0.10	0.043		ND	0.41	0.18	2	3/14/24 3:31	TPH
Isopropanol	ND	4.0	2.1		ND	9.8	5.2	2	3/14/24 3:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	3/14/24 3:31	TPH
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	3/14/24 3:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	3/14/24 3:31	TPH
Naphthalene	ND	0.10	0.081		ND	0.52	0.43	2	3/14/24 3:31	TPH
Propene	ND	4.0	2.2		ND	6.9	3.8	2	3/14/24 3:31	TPH
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	3/14/24 3:31	TPH
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	3/14/24 3:31	TPH

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: SSV-DUP-28022024
Sample ID: 24C0251-10
Sample Matrix: Sub Slab
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1741
Canister Size: 6 liter
Flow Controller ID: 5082
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.11	0.10	0.086		0.77	0.68	0.58	2	3/14/24 3:31	TPH
Tetrahydrofuran	ND	1.0	0.38		ND	2.9	1.1	2	3/14/24 3:31	TPH
Toluene	0.062	0.10	0.050	J	0.23	0.38	0.19	2	3/14/24 3:31	TPH
1,2,4-Trichlorobenzene	ND	0.10	0.055		ND	0.74	0.41	2	3/14/24 3:31	TPH
1,1,1-Trichloroethane	0.26	0.10	0.031		1.4	0.55	0.17	2	3/14/24 3:31	TPH
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	3/14/24 3:31	TPH
Trichloroethylene	ND	0.10	0.077		ND	0.54	0.41	2	3/14/24 3:31	TPH
Trichlorofluoromethane (Freon 11)	0.28	0.40	0.041	J	1.6	2.2	0.23	2	3/14/24 3:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.10	0.40	0.027	J	0.77	3.1	0.21	2	3/14/24 3:31	TPH
1,2,4-Trimethylbenzene	ND	0.10	0.060		ND	0.49	0.29	2	3/14/24 3:31	TPH
1,3,5-Trimethylbenzene	ND	0.10	0.077		ND	0.49	0.38	2	3/14/24 3:31	TPH
Vinyl Acetate	ND	2.0	0.41		ND	7.0	1.4	2	3/14/24 3:31	TPH
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	3/14/24 3:31	TPH
m&p-Xylene	ND	0.20	0.070		ND	0.87	0.30	2	3/14/24 3:31	TPH
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	3/14/24 3:31	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	90.5	70-130	3/14/24	3:31

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

ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: IA-DUP-28022024
Sample ID: 24C0251-11
Sample Matrix: Indoor air
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1938
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -11.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	21	1.4	0.71		49	3.3	1.7	0.696	3/14/24 3:03	TPH
Benzene	0.13	0.035	0.011		0.40	0.11	0.034	0.696	3/14/24 3:03	TPH
Benzyl chloride	ND	0.035	0.019		ND	0.18	0.097	0.696	3/14/24 3:03	TPH
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.696	3/14/24 3:03	TPH
Bromodichloromethane (SIM)	ND	0.0070	0.0019		ND	0.047	0.013	0.696	3/14/24 3:03	TPH
Bromoform	ND	0.035	0.012		ND	0.36	0.13	0.696	3/14/24 3:03	TPH
Bromomethane	0.031	0.035	0.030	J	0.12	0.14	0.11	0.696	3/14/24 3:03	TPH
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.064	0.696	3/14/24 3:03	TPH
2-Butanone (MEK)	68	1.4	0.68	E	200	4.1	2.0	0.696	3/14/24 3:03	TPH
Carbon Disulfide	ND	0.35	0.067		ND	1.1	0.21	0.696	3/14/24 3:03	TPH
Carbon Tetrachloride	0.070	0.035	0.027		0.44	0.22	0.17	0.696	3/14/24 3:03	TPH
Carbon Tetrachloride (SIM)	0.071	0.0070	0.0014		0.45	0.044	0.009	0.696	3/14/24 3:03	TPH
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.696	3/14/24 3:03	TPH
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.696	3/14/24 3:03	TPH
Chloroform	0.039	0.035	0.017		0.19	0.17	0.083	0.696	3/14/24 3:03	TPH
Chloroform (SIM)	0.041	0.0070	0.0018		0.20	0.034	0.0087	0.696	3/14/24 3:03	TPH
Chloromethane	0.64	0.070	0.047		1.3	0.14	0.096	0.696	3/14/24 3:03	TPH
Cyclohexane	0.064	0.035	0.027		0.22	0.12	0.093	0.696	3/14/24 3:03	TPH
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	3/14/24 3:03	TPH
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.696	3/14/24 3:03	TPH
1,2-Dichlorobenzene	ND	0.035	0.012		ND	0.21	0.073	0.696	3/14/24 3:03	TPH
1,3-Dichlorobenzene	ND	0.035	0.013		ND	0.21	0.078	0.696	3/14/24 3:03	TPH
1,4-Dichlorobenzene	0.074	0.035	0.017		0.45	0.21	0.10	0.696	3/14/24 3:03	TPH
Dichlorodifluoromethane (Freon 12)	0.46	0.035	0.015		2.3	0.17	0.072	0.696	3/14/24 3:03	TPH
1,1-Dichloroethane	ND	0.035	0.017		ND	0.14	0.069	0.696	3/14/24 3:03	TPH
1,1-Dichloroethane (SIM)	ND	0.0070	0.0024		ND	0.028	0.0095	0.696	3/14/24 3:03	TPH
1,2-Dichloroethane	0.089	0.035	0.013		0.36	0.14	0.053	0.696	3/14/24 3:03	TPH
1,2-Dichloroethane (SIM)	0.085	0.0070	0.0014		0.34	0.028	0.0058	0.696	3/14/24 3:03	TPH
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.696	3/14/24 3:03	TPH
1,1-Dichloroethylene (SIM)	ND	0.0070	0.0013		ND	0.028	0.0053	0.696	3/14/24 3:03	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.696	3/14/24 3:03	TPH
cis-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0067	0.696	3/14/24 3:03	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.016		ND	0.14	0.065	0.696	3/14/24 3:03	TPH
trans-1,2-Dichloroethylene (SIM)	ND	0.0070	0.0017		ND	0.028	0.0069	0.696	3/14/24 3:03	TPH
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.696	3/14/24 3:03	TPH
1,2-Dichloropropane (SIM)	ND	0.0070	0.0014		ND	0.032	0.0066	0.696	3/14/24 3:03	TPH
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.696	3/14/24 3:03	TPH
cis-1,3-Dichloropropene (SIM)	ND	0.0070	0.0022		ND	0.032	0.010	0.696	3/14/24 3:03	TPH
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.696	3/14/24 3:03	TPH
trans-1,3-Dichloropropene (SIM)	ND	0.0070	0.0047		ND	0.032	0.021	0.696	3/14/24 3:03	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.017	0.035	0.014	J	0.12	0.24	0.097	0.696	3/14/24 3:03	TPH
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.696	3/14/24 3:03	TPH
Ethanol	440	1.4	0.92	E	830	2.6	1.7	0.696	3/14/24 3:03	TPH
Ethyl Acetate	0.66	0.35	0.14		2.4	1.3	0.49	0.696	3/14/24 3:03	TPH
Ethylbenzene	0.058	0.035	0.012		0.25	0.15	0.051	0.696	3/14/24 3:03	TPH
4-Ethyltoluene	0.084	0.035	0.015		0.41	0.17	0.074	0.696	3/14/24 3:03	TPH
Heptane	0.19	0.035	0.022		0.79	0.14	0.090	0.696	3/14/24 3:03	TPH

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ANALYTICAL RESULTS

Project Location: Bay Shore, NY
Date Received: 3/1/2024
Field Sample #: IA-DUP-28022024
Sample ID: 24C0251-11
Sample Matrix: Indoor air
Sampled: 2/28/2024 00:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1938
Canister Size: 6 liter
Flow Controller ID: 5096
Sample Type: 8 hr

Work Order: 24C0251
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -11.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Hexachlorobutadiene	ND	0.035	0.020		ND	0.37	0.21	0.696	3/14/24 3:03	TPH
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.696	3/14/24 3:03	TPH
2-Hexanone (MBK)	ND	0.035	0.015		ND	0.14	0.062	0.696	3/14/24 3:03	TPH
Isopropanol	27	1.4	0.73		66	3.4	1.8	0.696	3/14/24 3:03	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.696	3/14/24 3:03	TPH
Methylene Chloride	0.13	0.35	0.094	J	0.44	1.2	0.32	0.696	3/14/24 3:03	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.018		ND	0.14	0.076	0.696	3/14/24 3:03	TPH
Naphthalene	0.059	0.035	0.028		0.31	0.18	0.15	0.696	3/14/24 3:03	TPH
Propene	ND	1.4	0.77		ND	2.4	1.3	0.696	3/14/24 3:03	TPH
Styrene	0.33	0.035	0.027		1.4	0.15	0.11	0.696	3/14/24 3:03	TPH
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.696	3/14/24 3:03	TPH
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0070	0.0013		ND	0.048	0.0092	0.696	3/14/24 3:03	TPH
Tetrachloroethylene	ND	0.035	0.030		ND	0.24	0.20	0.696	3/14/24 3:03	TPH
Tetrahydrofuran	ND	0.35	0.13		ND	1.0	0.39	0.696	3/14/24 3:03	TPH
Toluene	0.48	0.035	0.017		1.8	0.13	0.066	0.696	3/14/24 3:03	TPH
1,2,4-Trichlorobenzene	ND	0.035	0.019		ND	0.26	0.14	0.696	3/14/24 3:03	TPH
1,1,1-Trichloroethane	ND	0.035	0.011		ND	0.19	0.059	0.696	3/14/24 3:03	TPH
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.696	3/14/24 3:03	TPH
1,1,2-Trichloroethane (SIM)	ND	0.0070	0.00089		ND	0.038	0.0048	0.696	3/14/24 3:03	TPH
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.696	3/14/24 3:03	TPH
Trichloroethylene (SIM)	ND	0.0070	0.0023		ND	0.037	0.012	0.696	3/14/24 3:03	TPH
Trichlorofluoromethane (Freon 11)	0.22	0.14	0.014		1.2	0.78	0.080	0.696	3/14/24 3:03	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.069	0.14	0.0095	J	0.53	1.1	0.073	0.696	3/14/24 3:03	TPH
1,2,4-Trimethylbenzene	0.65	0.035	0.021		3.2	0.17	0.10	0.696	3/14/24 3:03	TPH
1,3,5-Trimethylbenzene	0.18	0.035	0.027		0.89	0.17	0.13	0.696	3/14/24 3:03	TPH
Vinyl Acetate	0.76	0.70	0.14		2.7	2.5	0.50	0.696	3/14/24 3:03	TPH
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.696	3/14/24 3:03	TPH
Vinyl Chloride (SIM)	ND	0.0070	0.0019		ND	0.018	0.0048	0.696	3/14/24 3:03	TPH
m&p-Xylene	0.16	0.070	0.024		0.71	0.30	0.11	0.696	3/14/24 3:03	TPH
o-Xylene	0.087	0.035	0.013		0.38	0.15	0.055	0.696	3/14/24 3:03	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	94.8	70-130	3/14/24	3:03
4-Bromofluorobenzene (1) (SIM)	95.8	70-130	3/14/24	3:03

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24C0251-04 [5AVE-IA-3-28022024]	B368535	1.74	1	N/A	1000	200	500	03/13/24
24C0251-06 [5AVE-IA-2-28022024]	B368535	1.5	1	N/A	1000	200	430	03/13/24
24C0251-08 [5AVE-IA-1-28022024]	B368535	1.74	1	N/A	1000	200	500	03/13/24
24C0251-09 [5AVE-OA-1-28022024]	B368535	1.5	1	N/A	1000	200	430	03/13/24
24C0251-11 [IA-DUP-28022024]	B368535	1.74	1	N/A	1000	200	500	03/13/24

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24C0251-01 [CVS-SV-2-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-01RE1 [CVS-SV-2-28022024]	B368536	1.5	1	N/A	1000	200	30	03/13/24
24C0251-02 [CVS-SV-1-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-03 [5AVE-SSV-3-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-05 [5AVE-SSV-2-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-07 [5AVE-SSV-1-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24
24C0251-10 [SSV-DUP-28022024]	B368536	1.5	1	N/A	1000	200	150	03/13/24

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Blank (B368536-BLK1)					Prepared & Analyzed: 03/13/24						
Acetone	ND	1.4									
Benzene	ND	0.034									
Benzyl chloride	ND	0.034									
Bromodichloromethane	ND	0.034									
Bromoform	ND	0.034									
Bromomethane	ND	0.034									
1,3-Butadiene	ND	0.034									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.34									
Carbon Tetrachloride	ND	0.034									
Chlorobenzene	ND	0.034									
Chloroethane	ND	0.034									
Chloroform	ND	0.034									
Chloromethane	ND	0.069									
Cyclohexane	ND	0.034									
Dibromochloromethane	ND	0.034									
1,2-Dibromoethane (EDB)	ND	0.034									
1,2-Dichlorobenzene	ND	0.034									
1,3-Dichlorobenzene	ND	0.034									
1,4-Dichlorobenzene	ND	0.034									
Dichlorodifluoromethane (Freon 12)	ND	0.034									
1,1-Dichloroethane	ND	0.034									
1,2-Dichloroethane	ND	0.034									
1,1-Dichloroethylene	ND	0.034									
cis-1,2-Dichloroethylene	ND	0.034									
trans-1,2-Dichloroethylene	ND	0.034									
1,2-Dichloropropane	ND	0.034									
cis-1,3-Dichloropropene	ND	0.034									
trans-1,3-Dichloropropene	ND	0.034									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.034									
1,4-Dioxane	ND	0.34									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.34									
Ethylbenzene	ND	0.034									
4-Ethyltoluene	ND	0.034									
Heptane	ND	0.034									
Hexachlorobutadiene	ND	0.034									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.034									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.034									
Methylene Chloride	ND	0.34									
4-Methyl-2-pentanone (MIBK)	ND	0.034									
Naphthalene	ND	0.034									
Propene	ND	1.4									
Styrene	ND	0.034									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Blank (B368536-BLK1)					Prepared & Analyzed: 03/13/24						
1,1,2,2-Tetrachloroethane	ND	0.034									
Tetrachloroethylene	ND	0.034									
Tetrahydrofuran	ND	0.34									
Toluene	ND	0.034									
1,2,4-Trichlorobenzene	ND	0.034									
1,1,1-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane	ND	0.034									
Trichloroethylene	ND	0.034									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.034									
1,3,5-Trimethylbenzene	ND	0.034									
Vinyl Acetate	ND	0.69									
Vinyl Chloride	ND	0.034									
m&p-Xylene	ND	0.069									
o-Xylene	ND	0.034									
Surrogate: 4-Bromofluorobenzene (1)	*7.28*				*8.00*		*91.0*	*70-130*			
LCS (B368536-BS1)					Prepared & Analyzed: 03/13/24						
Acetone	3.92				5.00		78.3	70-130			
Benzene	5.13				5.00		103	70-130			
Benzyl chloride	4.42				5.00		88.3	70-130			
Bromodichloromethane	4.76				5.00		95.1	70-130			
Bromoform	4.73				5.00		94.6	70-130			
Bromomethane	5.42				5.00		108	70-130			
1,3-Butadiene	4.93				5.00		98.6	70-130			
2-Butanone (MEK)	4.40				5.00		88.0	70-130			
Carbon Disulfide	5.46				5.00		109	70-130			
Carbon Tetrachloride	4.64				5.00		92.8	70-130			
Chlorobenzene	5.21				5.00		104	70-130			
Chloroethane	4.96				5.00		99.1	70-130			
Chloroform	5.39				5.00		108	70-130			
Chloromethane	4.75				5.00		95.0	70-130			
Cyclohexane	5.01				5.00		100	70-130			
Dibromochloromethane	4.93				5.00		98.7	70-130			
1,2-Dibromoethane (EDB)	5.18				5.00		104	70-130			
1,2-Dichlorobenzene	5.17				5.00		103	70-130			
1,3-Dichlorobenzene	5.77				5.00		115	70-130			
1,4-Dichlorobenzene	5.82				5.00		116	70-130			
Dichlorodifluoromethane (Freon 12)	5.04				5.00		101	70-130			
1,1-Dichloroethane	4.66				5.00		93.2	70-130			
1,2-Dichloroethane	4.41				5.00		88.1	70-130			
1,1-Dichloroethylene	4.99				5.00		99.8	70-130			
cis-1,2-Dichloroethylene	5.14				5.00		103	70-130			
trans-1,2-Dichloroethylene	4.47				5.00		89.5	70-130			
1,2-Dichloropropane	5.44				5.00		109	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
LCS (B368536-BS1)					Prepared & Analyzed: 03/13/24						
cis-1,3-Dichloropropene	5.24				5.00		105	70-130			
trans-1,3-Dichloropropene	4.88				5.00		97.6	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.88				5.00		97.7	70-130			
1,4-Dioxane	5.52				5.00		110	70-130			
Ethanol	5.16				5.00		103	70-130			
Ethyl Acetate	3.99				5.00		79.7	70-130			
Ethylbenzene	5.21				5.00		104	70-130			
4-Ethyltoluene	5.31				5.00		106	70-130			
Heptane	4.87				5.00		97.5	70-130			
Hexachlorobutadiene	4.35				5.00		87.0	70-130			
Hexane	4.11				5.00		82.1	70-130			
2-Hexanone (MBK)	4.77				5.00		95.4	70-130			
Isopropanol	4.54				5.00		90.9	70-130			
Methyl tert-Butyl Ether (MTBE)	4.56				5.00		91.1	70-130			
Methylene Chloride	4.43				5.00		88.6	70-130			
4-Methyl-2-pentanone (MIBK)	5.24				5.00		105	70-130			
Naphthalene	4.87				5.00		97.3	70-130			
Propene	5.05				5.00		101	70-130			
Styrene	5.35				5.00		107	70-130			
1,1,2,2-Tetrachloroethane	5.92				5.00		118	70-130			
Tetrachloroethylene	5.06				5.00		101	70-130			
Tetrahydrofuran	4.27				5.00		85.4	70-130			
Toluene	5.31				5.00		106	70-130			
1,2,4-Trichlorobenzene	4.46				5.00		89.2	70-130			
1,1,1-Trichloroethane	4.42				5.00		88.5	70-130			
1,1,2-Trichloroethane	5.70				5.00		114	70-130			
Trichloroethylene	4.85				5.00		97.1	70-130			
Trichlorofluoromethane (Freon 11)	4.76				5.00		95.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.24				5.00		105	70-130			
1,2,4-Trimethylbenzene	5.20				5.00		104	70-130			
1,3,5-Trimethylbenzene	5.30				5.00		106	70-130			
Vinyl Acetate	4.77				5.00		95.5	70-130			
Vinyl Chloride	5.26				5.00		105	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.38				5.00		108	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.67*				*8.00*		*95.8*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Duplicate (B368536-DUP1)			**Source: 24C0251-10**		Prepared: 03/13/24 Analyzed: 03/14/24						
Acetone	8.5	4.0	20	9.5		8.4			1.56	25	
Benzene	0.052	0.10	0.17	0.32		0.052			0.00	25	J
Benzyl chloride	ND	0.10	ND	0.52		ND				25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
Bromomethane	ND	0.10	ND	0.39		ND				25	
1,3-Butadiene	ND	0.10	ND	0.22		ND				25	
2-Butanone (MEK)	ND	4.0	ND	12		ND				25	
Carbon Disulfide	ND	1.0	ND	3.1		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	6.8	0.10	33	0.49		7.0			2.34	25	
Chloromethane	ND	0.20	ND	0.41		ND				25	
Cyclohexane	ND	0.10	ND	0.34		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.35	0.10	1.7	0.49		0.25			33.1	25	R-04
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	ND	0.70		ND				25	
1,4-Dioxane	ND	1.0	ND	3.6		ND				25	
Ethanol	9.2	4.0	17	7.5		11			14.2	25	
Ethyl Acetate	ND	1.0	ND	3.6		ND				25	
Ethylbenzene	ND	0.10	ND	0.43		ND				25	
4-Ethyltoluene	ND	0.10	ND	0.49		ND				25	
Heptane	0.12	0.10	0.51	0.41		0.11			13.8	25	
Hexachlorobutadiene	ND	0.10	ND	1.1		ND				25	
Hexane	ND	4.0	ND	14		ND				25	
2-Hexanone (MBK)	ND	0.10	ND	0.41		ND				25	
Isopropanol	ND	4.0	ND	9.8		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	ND	1.0	ND	3.5		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.10	ND	0.41		ND				25	
Naphthalene	ND	0.10	ND	0.52		ND				25	
Propene	ND	4.0	ND	6.9		ND				25	
Styrene	ND	0.10	ND	0.43		ND				25	

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368536 - TO-15 Prep											
Duplicate (B368536-DUP1)			**Source: 24C0251-10**		Prepared: 03/13/24 Analyzed: 03/14/24						
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND				25	
Tetrachloroethylene	0.12	0.10	0.84	0.68		0.11			8.40	25	
Tetrahydrofuran	ND	1.0	ND	2.9		ND				25	
Toluene	0.060	0.10	0.23	0.38		0.062			3.28	25	J
1,2,4-Trichlorobenzene	ND	0.10	ND	0.74		ND				25	
1,1,1-Trichloroethane	0.24	0.10	1.3	0.55		0.26			8.76	25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND				25	
Trichloroethylene	ND	0.10	ND	0.54		ND				25	
Trichlorofluoromethane (Freon 11)	0.26	0.40	1.5	2.2		0.28			6.69	25	J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.090	0.40	0.69	3.1		0.10			10.5	25	J
1,2,4-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
Vinyl Acetate	ND	2.0	ND	7.0		ND				25	
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
m&p-Xylene	ND	0.20	ND	0.87		ND				25	
o-Xylene	ND	0.10	ND	0.43		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	*7.38*				*8.00*		*92.3*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
Blank (B368535-BLK1)					Prepared & Analyzed: 03/13/24						
Acetone	ND	1.4									
Benzene	ND	0.034									
Benzyl chloride	ND	0.034									
Bromodichloromethane	ND	0.034									
Bromodichloromethane (SIM)	ND	0.0069									
Bromoform	ND	0.034									
Bromomethane	ND	0.034									
1,3-Butadiene	ND	0.034									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.34									
Carbon Tetrachloride	ND	0.034									
Carbon Tetrachloride (SIM)	ND	0.0069									
Chlorobenzene	ND	0.034									
Chloroethane	ND	0.034									
Chloroform	ND	0.034									
Chloroform (SIM)	ND	0.0069									
Chloromethane	ND	0.069									
Cyclohexane	ND	0.034									
Dibromochloromethane	ND	0.034									
1,2-Dibromoethane (EDB)	ND	0.034									
1,2-Dichlorobenzene	ND	0.034									
1,3-Dichlorobenzene	ND	0.034									
1,4-Dichlorobenzene	ND	0.034									
Dichlorodifluoromethane (Freon 12)	ND	0.034									
1,1-Dichloroethane	ND	0.034									
1,1-Dichloroethane (SIM)	ND	0.0069									
1,2-Dichloroethane	ND	0.034									
1,2-Dichloroethane (SIM)	ND	0.0069									
1,1-Dichloroethylene	ND	0.034									
1,1-Dichloroethylene (SIM)	ND	0.0069									
cis-1,2-Dichloroethylene	ND	0.034									
cis-1,2-Dichloroethylene (SIM)	ND	0.0069									
trans-1,2-Dichloroethylene	ND	0.034									
trans-1,2-Dichloroethylene (SIM)	ND	0.0069									
1,2-Dichloropropane	ND	0.034									
1,2-Dichloropropane (SIM)	ND	0.0069									
cis-1,3-Dichloropropene	ND	0.034									
cis-1,3-Dichloropropene (SIM)	ND	0.0069									
trans-1,3-Dichloropropene	ND	0.034									
trans-1,3-Dichloropropene (SIM)	ND	0.0069									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.034									
1,4-Dioxane	ND	0.34									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.34									
Ethylbenzene	ND	0.034									
4-Ethyltoluene	ND	0.034									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
Blank (B368535-BLK1)					Prepared & Analyzed: 03/13/24						
Heptane	ND	0.034									
Hexachlorobutadiene	ND	0.034									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.034									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.034									
Methylene Chloride	ND	0.34									
4-Methyl-2-pentanone (MIBK)	ND	0.034									
Naphthalene	ND	0.034									
Propene	ND	1.4									
Styrene	ND	0.034									
1,1,2,2-Tetrachloroethane	ND	0.034									
1,1,2,2-Tetrachloroethane (SIM)	ND	0.0069									
Tetrachloroethylene	ND	0.034									
Tetrahydrofuran	ND	0.34									
Toluene	ND	0.034									
1,2,4-Trichlorobenzene	ND	0.034									
1,1,1-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane (SIM)	ND	0.0069									
Trichloroethylene	ND	0.034									
Trichloroethylene (SIM)	ND	0.0069									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.034									
1,3,5-Trimethylbenzene	ND	0.034									
Vinyl Acetate	ND	0.69									
Vinyl Chloride	ND	0.034									
Vinyl Chloride (SIM)	ND	0.0069									
m&p-Xylene	ND	0.069									
o-Xylene	ND	0.034									
Surrogate: 4-Bromofluorobenzene (1)	*7.28*				*8.00*		*91.0*	*70-130*			
Surrogate: 4-Bromofluorobenzene (1) (SIM)	*7.45*				*8.00*		*93.2*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
LCS (B368535-BS1)					Prepared & Analyzed: 03/13/24						
Acetone	3.92				5.00		78.3	70-130			
Benzene	5.13				5.00		103	70-130			
Benzyl chloride	4.42				5.00		88.3	70-130			
Bromodichloromethane	4.76				5.00		95.1	70-130			
Bromodichloromethane (SIM)	4.62				5.00		92.5	70-130			
Bromoform	4.73				5.00		94.6	70-130			
Bromomethane	5.42				5.00		108	70-130			
1,3-Butadiene	4.93				5.00		98.6	70-130			
2-Butanone (MEK)	4.40				5.00		88.0	70-130			
Carbon Disulfide	5.46				5.00		109	70-130			
Carbon Tetrachloride	4.64				5.00		92.8	70-130			
Carbon Tetrachloride (SIM)	4.56				5.00		91.2	70-130			
Chlorobenzene	5.21				5.00		104	70-130			
Chloroethane	4.96				5.00		99.1	70-130			
Chloroform	5.39				5.00		108	70-130			
Chloroform (SIM)	5.43				5.00		109	70-130			
Chloromethane	4.75				5.00		95.0	70-130			
Cyclohexane	5.01				5.00		100	70-130			
Dibromochloromethane	4.93				5.00		98.7	70-130			
1,2-Dibromoethane (EDB)	5.18				5.00		104	70-130			
1,2-Dichlorobenzene	5.17				5.00		103	70-130			
1,3-Dichlorobenzene	5.77				5.00		115	70-130			
1,4-Dichlorobenzene	5.82				5.00		116	70-130			
Dichlorodifluoromethane (Freon 12)	5.04				5.00		101	70-130			
1,1-Dichloroethane	4.66				5.00		93.2	70-130			
1,1-Dichloroethane (SIM)	4.76				5.00		95.1	70-130			
1,2-Dichloroethane	4.41				5.00		88.1	70-130			
1,2-Dichloroethane (SIM)	4.48				5.00		89.6	70-130			
1,1-Dichloroethylene	4.99				5.00		99.8	70-130			
1,1-Dichloroethylene (SIM)	4.98				5.00		99.6	70-130			
cis-1,2-Dichloroethylene	5.14				5.00		103	70-130			
cis-1,2-Dichloroethylene (SIM)	5.13				5.00		103	70-130			
trans-1,2-Dichloroethylene	4.47				5.00		89.5	70-130			
trans-1,2-Dichloroethylene (SIM)	4.57				5.00		91.4	70-130			
1,2-Dichloropropane	5.44				5.00		109	70-130			
1,2-Dichloropropane (SIM)	5.47				5.00		109	70-130			
cis-1,3-Dichloropropene	5.24				5.00		105	70-130			
cis-1,3-Dichloropropene (SIM)	5.11				5.00		102	70-130			
trans-1,3-Dichloropropene	4.88				5.00		97.6	70-130			
trans-1,3-Dichloropropene (SIM)	4.58				5.00		91.7	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.88				5.00		97.7	70-130			
1,4-Dioxane	5.52				5.00		110	70-130			
Ethanol	5.16				5.00		103	70-130			
Ethyl Acetate	3.99				5.00		79.7	70-130			
Ethylbenzene	5.21				5.00		104	70-130			
4-Ethyltoluene	5.31				5.00		106	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B368535 - TO-15 Prep											
LCS (B368535-BS1)					Prepared & Analyzed: 03/13/24						
Heptane	4.87				5.00		97.5	70-130			
Hexachlorobutadiene	4.35				5.00		87.0	70-130			
Hexane	4.11				5.00		82.1	70-130			
2-Hexanone (MBK)	4.77				5.00		95.4	70-130			
Isopropanol	4.54				5.00		90.9	70-130			
Methyl tert-Butyl Ether (MTBE)	4.56				5.00		91.1	70-130			
Methylene Chloride	4.43				5.00		88.6	70-130			
4-Methyl-2-pentanone (MIBK)	5.24				5.00		105	70-130			
Naphthalene	4.87				5.00		97.3	70-130			
Propene	5.05				5.00		101	70-130			
Styrene	5.35				5.00		107	70-130			
1,1,2,2-Tetrachloroethane	5.92				5.00		118	70-130			
1,1,2,2-Tetrachloroethane (SIM)	5.73				5.00		115	70-130			
Tetrachloroethylene	5.06				5.00		101	70-130			
Tetrahydrofuran	4.27				5.00		85.4	70-130			
Toluene	5.31				5.00		106	70-130			
1,2,4-Trichlorobenzene	4.46				5.00		89.2	70-130			
1,1,1-Trichloroethane	4.42				5.00		88.5	70-130			
1,1,2-Trichloroethane	5.70				5.00		114	70-130			
1,1,2-Trichloroethane (SIM)	5.56				5.00		111	70-130			
Trichloroethylene	4.85				5.00		97.1	70-130			
Trichloroethylene (SIM)	4.95				5.00		99.0	70-130			
Trichlorofluoromethane (Freon 11)	4.76				5.00		95.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.24				5.00		105	70-130			
1,2,4-Trimethylbenzene	5.20				5.00		104	70-130			
1,3,5-Trimethylbenzene	5.30				5.00		106	70-130			
Vinyl Acetate	4.77				5.00		95.5	70-130			
Vinyl Chloride	5.26				5.00		105	70-130			
Vinyl Chloride (SIM)	5.54				5.00		111	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.38				5.00		108	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.67*				*8.00*		*95.8*	*70-130*			
Surrogate: 4-Bromofluorobenzene (1) (SIM)	*7.90*				*8.00*		*98.8*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
E	Reported result is estimated. Value reported over verified calibration range.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
R-04	Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

ANALYST

TPH	Thomas P. Hnitecki
LAW	Lisa A. Worthington
KKS	Kyle K. Stuckey
KMC	Kristen M Couture
CMR	Catherine M. Rouleau

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

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
Bromochloromethane (1) (SIM)	336778	2.87	346621	2.869	97	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	921817	3.543	942388	3.543	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	904634	5.205	924670	5.205	98	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101689-CCV1)			Lab File ID: L24A073003.D			Analyzed: 03/13/24 10:26			
Bromochloromethane (1)	206731	2.869	314027	2.871	66	60 - 140	-0.0020	+/-0.50	
Bromochloromethane (1) (SIM)	227340	2.867	346621	2.869	66	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538	895773	3.54	72	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	684948	3.541	942388	3.543	73	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195	837397	5.202	68	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	631395	5.198	924670	5.205	68	60 - 140	-0.0070	+/-0.50	
LCS (B368535-BS1)			Lab File ID: L24A073025.D			Analyzed: 03/13/24 22:21			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	227114	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	675850	3.541	684948	3.541	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	620321	5.199	631395	5.198	98	60 - 140	0.0010	+/-0.50	
Blank (B368535-BLK1)			Lab File ID: L24A073028.D			Analyzed: 03/13/24 23:50			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1) (SIM)	227549	2.866	227340	2.867	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	638847	3.539	684948	3.541	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	600871	5.196	631395	5.198	95	60 - 140	-0.0020	+/-0.50	
5AVE-IA-3-28022024 (24C0251-04)			Lab File ID: L24A073030.D			Analyzed: 03/14/24 00:50			
Bromochloromethane (1)	206552	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	226413	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	616029	3.537	642665	3.538	96	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	656919	3.54	684948	3.541	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	573033	5.196	571989	5.195	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627423	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
5AVE-IA-2-28022024 (24C0251-06)			Lab File ID: L24A073031.D			Analyzed: 03/14/24 01:23			
Bromochloromethane (1)	203914	2.869	206731	2.869	99	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225897	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	614929	3.538	642665	3.538	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	655387	3.541	684948	3.541	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	579324	5.196	571989	5.195	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	646489	5.199	631395	5.198	102	60 - 140	0.0010	+/-0.50	
5AVE-IA-1-28022024 (24C0251-08)			Lab File ID: L24A073032.D			Analyzed: 03/14/24 01:56			
Bromochloromethane (1)	206000	2.864	206731	2.869	100	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	227833	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	626319	3.538	642665	3.538	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	668036	3.536	684948	3.541	98	60 - 140	-0.0050	+/-0.50	
Chlorobenzene-d5 (1)	568987	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627320	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	
5AVE-OA-1-28022024 (24C0251-09)			Lab File ID: L24A073033.D			Analyzed: 03/14/24 02:29			
Bromochloromethane (1)	208377	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225088	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	607165	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	646656	3.54	684948	3.541	94	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	547385	5.194	571989	5.195	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	603912	5.197	631395	5.198	96	60 - 140	-0.0010	+/-0.50	
IA-DUP-28022024 (24C0251-11)			Lab File ID: L24A073034.D			Analyzed: 03/14/24 03:03			
Bromochloromethane (1)	204351	2.864	206731	2.869	99	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	221959	2.866	227340	2.867	98	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	606534	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	647380	3.54	684948	3.541	95	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	572039	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	634361	5.198	631395	5.198	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101690-CCV1)			Lab File ID: L24A073003.D			Analyzed: 03/13/24 10:26			
Bromochloromethane (1)	206731	2.869	314027	2.871	66	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538	895773	3.54	72	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195	837397	5.202	68	60 - 140	-0.0070	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B368536-BS1)			Lab File ID: L24A073025.D			Analyzed: 03/13/24 22:21			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Blank (B368536-BLK1)			Lab File ID: L24A073028.D			Analyzed: 03/13/24 23:50			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
SSV-DUP-28022024 (24C0251-10)			Lab File ID: L24A073035.D			Analyzed: 03/14/24 03:31			
Bromochloromethane (1)	212153	2.869	206731	2.869	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	641467	3.543	642665	3.538	100	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	583657	5.195	571989	5.195	102	60 - 140	0.0000	+/-0.50	
Duplicate (B368536-DUP1)			Lab File ID: L24A073036.D			Analyzed: 03/14/24 03:59			
Bromochloromethane (1)	208764	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	629868	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	563581	5.194	571989	5.195	99	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-1-28022024 (24C0251-07)			Lab File ID: L24A073037.D			Analyzed: 03/14/24 04:27			
Bromochloromethane (1)	200252	2.874	206731	2.869	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	623344	3.542	642665	3.538	97	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	565705	5.2	571989	5.195	99	60 - 140	0.0050	+/-0.50	
5AVE-SSV-2-28022024 (24C0251-05)			Lab File ID: L24A073038.D			Analyzed: 03/14/24 04:55			
Bromochloromethane (1)	203097	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	598684	3.543	642665	3.538	93	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	560669	5.194	571989	5.195	98	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-3-28022024 (24C0251-03)			Lab File ID: L24A073039.D			Analyzed: 03/14/24 05:23			
Bromochloromethane (1)	211262	2.875	206731	2.869	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	631009	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	577545	5.2	571989	5.195	101	60 - 140	0.0050	+/-0.50	
CVS-SV-1-28022024 (24C0251-02)			Lab File ID: L24A073040.D			Analyzed: 03/14/24 05:51			
Bromochloromethane (1)	205775	2.874	206731	2.869	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	608703	3.542	642665	3.538	95	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	570925	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
CVS-SV-2-28022024 (24C0251-01)			Lab File ID: L24A073041.D			Analyzed: 03/14/24 06:19			
Bromochloromethane (1)	204167	2.874	206731	2.869	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	634222	3.543	642665	3.538	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	582694	5.2	571989	5.195	102	60 - 140	0.0050	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CVS-SV-2-28022024 (24C0251-01RE1)			Lab File ID: L24A073042.D			Analyzed: 03/14/24 06:46			
Bromochloromethane (1)	202504	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	620519	3.548	642665	3.538	97	60 - 140	0.0100	+/-0.50	
Chlorobenzene-d5 (1)	564269	5.199	571989	5.195	99	60 - 140	0.0040	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S101689-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromodichloromethane (SIM)	A	5.00	4.93	0.5743019	0.5663239		-1.4	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Carbon Tetrachloride (SIM)	A	5.00	4.52	0.5332034	0.4817557		-9.6	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.4446898	0.4076254		-8.3	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloroform (SIM)	A	5.00	5.58	1.412267	1.576388		11.6	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,1-Dichloroethane (SIM)	A	5.00	4.93	1.364703	1.346121		-1.4	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,2-Dichloroethane (SIM)	A	5.00	4.74	0.9344152	0.8853347		-5.3	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
1,1-Dichloroethylene (SIM)	A	5.00	5.10	1.12193	1.145583		2.1	30
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
cis-1,2-Dichloroethylene (SIM)	A	5.00	5.29	0.9161508	0.9694027		5.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
trans-1,2-Dichloroethylene (SIM)	A	5.00	4.75	1.114117	1.058348		-5.0	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
1,2-Dichloropropane (SIM)	A	5.00	5.48	0.2591701	0.2839643		9.6	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
cis-1,3-Dichloropropene (SIM)	A	5.00	5.68	0.4009411	0.4550465		13.5	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S101689-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30
trans-1,3-Dichloropropene (SIM)	A	5.00	4.52	0.3762266	0.3400083		-9.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30
1,1,2,2-Tetrachloroethane (SIM)	A	5.00	6.12	0.6792109	0.8308713		22.3	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
1,1,2-Trichloroethane (SIM)	A	5.00	5.84	0.311765	0.3641917		16.8	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichloroethylene (SIM)	A	5.00	5.07	0.3364263	0.3410011		1.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
Vinyl Chloride (SIM)	A	5.00	5.72	0.6696573	0.766035		14.4	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101689-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101690-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.411751	0.4076254		-1.0	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101690-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	NY,ME,NH
Acetone	NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
Bromomethane	FL,NJ,NY,ME,NH
1,3-Butadiene	NJ,NY,ME,NH,VA
1,3-Butadiene	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Isopropanol	NY,ME,NH
Isopropanol	NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Pace Analytical
2402251

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

http://www.pacelabs.com DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name:	EA Engineering
Address:	269 W. Jefferson St, Syracuse, NY 13202
Phone:	315 350 1346 (Sampler)
Project Name:	South Shore Outdoor
Project Location:	Bayshore, NY
Project Number:	NYSDEC 152228A EA #16025 33
Project Manager:	Kritika Thapa
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Moriah Gilkey

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other: Cat B
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	TO-15 SIM			" Hg			Please fill out completely, sign, date and retain the yellow copy for your records
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply
															For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID / Flow Controller ID
01	CVS-SV-2-28022024	2/28/24 1417	2/28/24 1618	121	0.05	SG	6.0	X				-30	-6	10.3	1304 / 4402
02	CVS-SV-1-28022024	2/28/24 1428	2/28/24 1623	115	0.05	SG	5.75	X				-29	-5	9.5	1984 / 4446
03	SAVE-SSV-3-28022024	2/28/24 1134	2/28/24 1932	478	0.0125	SS	5.8	X				-31	-10	9.3	1982 / 3336
04	SAVE-IA-3-28022024	2/28/24 1137	2/28/24 1938	481	0.0125	IA	6.0		X			-31	-11	10.7	1056 / 3160
05	SAVE-SSV-2-28022024	2/28/24 1055	2/28/24 1834	459	0.0125	SS	5.74	X				-30	-8	8.4	2023 / 5082
06	SAVE-IA-2-28022024	2/28/24 1103	2/28/24 1830	447	0.0125	IA	5.59		X			-28	-9	9.7	1961 / 5096
07	SAVE-SSV-1-28022024	2/28/24 1222	2/28/24 2053	511	0.0125	SS	6.0	X				-30	-10	9.8	1236 / 3085
08	SAVE-IA-1-28022024	2/28/24 1225	2/28/24 2051	506	0.0125	IA	6.0		X			-30	-10	10.5	1961 / 3561
09	SAVE-OA-1-28022024	2/28/24 1024	2/28/24 1822	478	0.0125	AMB	5.98	X				-29	-9	8.8	2197 / 3559

Comments:
1 unused air can returned — labeled on tag
Request NYSDEC EQUIS EDD Mg/m³

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/1/24 1730	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 3/1 1300	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 3/1 1740		MCP Certification Form Required
Received by: (signature)	Date/Time: 3/1/24 1700	CT	☐ CT RCP Required
Relinquished by: (signature)	Date/Time:		RCP Certification Form Required
Received by: (signature)	Date/Time:	Other:	☐ Other

Pace Analytical
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical

24C0251

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

see page 1

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Quote Name/Number:
Invoice Recipient:
Sampled By:

Required Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverable
CLP Like Data Pkg Required: ☐
Email To: kthapa@pearl.com
Fax To #:

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15	TO-15 SIM		" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	m³/min L/min	Code	☒ Liters ☐ m³				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
10	SSV-DUP-2802202 4	2/28/24	2/28/24	—	0.0125	SS	6	X			-30	-8	8.3	1741	5082
11	IA-DUP-2802202 4	2/28/24	2/28/24	—	0.0125	IA	6		X		-28	-9	11.4	1938	5096

Comments:
see page 1

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1230 3/1/24	
Received by: (signature)	Date/Time: 3/1 1300	
Relinquished by: (signature)	Date/Time: 3/1 1700	
Received by: (signature)	Date/Time: 3/1/24 1700	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☐ CT RCP Required
☐ RCP Certification Form Required
☐ Other

Pace Analytical

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required

Deliverable Package Requirement Cat B

Location Bayshore, NY

PWSID# (When Applicable)

Arrival Method Courier

Received By / Date / Time KMC 3/1/24 1700

Back-Sheet By / Date / Time KMC 3/4/24 1030

Temperature Method #

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	12	6L	10	8hr, 2hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector	2	Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s															
1	1304	5	2023	10	1741	15		Regs #'s		5	5082	10	5082	15	
2	1984	6	1966	11	1938	16		1	4402	6	5096	11	5096	16	
3	1982	7	1236	12		17		2	4446	7	3085	12		17	
4	1056	8	1931	13		18		3	3336	8	3561	13		18	
Unused Media		9	2197	14		19		4	3160	9	3559	14		19	
1	2203	4		9		14		Pufs/TO-17's		5		10		15	
2	3186	5		10		15		1		6		11		16	
3		6		11		16		2		7		12		17	
4		7		12		17		3		8		13		18	
		8		13		18		4		9		14		19	

Qualtrax ID: 127034

Page 1 of 1

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/13/2024 **Batch #:** 24CC0132

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:			
	BC1966	BC1938	

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 3/15/24

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/13/2024 **Batch #:** 24CC0134

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:	BC1984	BC1982	BC2023
	BC1961	BC1741	

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 3/15/24

Air Sampling Media Certificate of Analysis

Date Analyzed: 2/13/2024 **Batch #:** 24CC0136

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:			
	BC1304	BC1056	BC1236
	BC2197		

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: TPH 3/15/24

AIR

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01	File ID:	L24A073041.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:19
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.3	2.0	4.0	J
71-43-2	Benzene	0.29	0.031	0.10	
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide	0.47	0.19	1.0	J
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	0.42	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.52	0.042	0.10	
75-34-3	1,1-Dichloroethane	2.5	0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene	0.086	0.070	0.10	J
156-59-2	cis-1,2-Dichloroethylene	1.8	0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene	0.16	0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01	File ID:	L24A073041.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:19
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol		2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene	0.62	0.034	0.10	
622-96-8	4-Ethyltoluene	0.34	0.043	0.10	
142-82-5	Heptane	0.46	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene	0.83	0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	19	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	1.1	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	42	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.83	0.041	0.40	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.072	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene	1.6	0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene	0.39	0.077	0.10	
108-05-4	Vinyl Acetate	0.54	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	
179601-23-1	m&p-Xylene	2.0	0.070	0.20	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01	File ID:	L24A073041.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:19
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
95-47-6	o-Xylene	0.91	0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073041.D Vial: 36
Acq On : 14 Mar 2024 06:19 am Operator: CMR
Sample : 24C0251-01 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:18 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073041.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	204167	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	634222	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	582694	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	221893	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.546	114	655992	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	637367	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.857	174	297044	7.406	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.63%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	308173	7.553	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.38%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.524	85	11843	0.262	PPBV	94
10) ACROLEIN	1.902	56	1532	0.189	PPBV #	1
11) ACETONE	1.943	43	46964	1.640	PPBV #	65
12) TRICHLOROFLUOROMETHANE	2.005	101	19218m	0.414	PPBV	
13) ETHANOL	1.816	45	3121	0.706	PPBV	99
14) 1,1-DICHLOROETHENE	2.185	61	1225	0.043	PPBV #	59
15) METHYLENE CHLORIDE	2.217	49	2080	0.094	PPBV #	79
16) FREON 113	2.312	101	1308	0.036	PPBV	93
17) CARBON DISULFIDE	2.312	76	12490	0.237	PPBV	96
18) TRANS-1,2-DICHLOROETHENE	2.508	61	2352	0.082	PPBV #	69
19) 1,1-DICHLOROETHANE	2.567	63	44538	1.253	PPBV	96
20) MTBE	2.593	73	1195	0.022	PPBV #	38
21) IPA	2.020	45	7054	0.234	PPBV	79
22) 2-BUTANONE(MEK)	2.694	43	7837	0.222	PPBV	87
23) CIS-1,2-DICHLOROETHENE	2.821	61	20927	0.902	PPBV	81
24) VINYL ACETATE	2.609	43	10013	0.268	PPBV	95
25) HEXANE	2.906	41	4609	0.243	PPBV	85
27) CHLOROFORM	2.922	83	7680	0.209	PPBV	100
31) 1,1,1-TRICHLOROETHANE	3.250	97	841911	20.922	PPBV	96
32) BENZENE	3.411	78	8228	0.143	PPBV	99
33) CARBON TETRACHLORIDE	3.464	117	412	0.010	PPBV #	67
34) CYCLOHEXANE	3.506	84	885	0.037	PPBV #	62
37) TRICHLOROETHENE	3.790	95	1398984	52.573	PPBV	96
40) HEPTANE	3.923	57	4199	0.232	PPBV	98
46) TOLUENE	4.494	91	36961	0.541	PPBV	95
50) TETRACHLOROETHENE	4.944	166	289841	9.532	PPBV	99
52) ETHYLBENZENE	5.386	91	26428	0.308	PPBV	98
53) M/P-XYLENE	5.460	91	72472	1.025	PPBV	92
55) STYRENE	5.614	104	1538	0.032	PPBV	84
56) O-XYLENE	5.656	91	31585	0.454	PPBV	94
59) 4-ETHYLTOLUENE	6.230	105	15290m	0.168	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	15113	0.197	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	58528	0.787	PPBV	100
64) 1,4-DICHLOROBENZENE	6.573	146	441	0.010	PPBV #	1
66) 1,2,4-TRICHLOROBENZENE	7.739	180	733	0.027	PPBV	85
67) NAPHTHALENE	7.795	128	28758	0.414	PPBV	100
68) HEXACHLOROBUTADIENE	8.046	225	772	0.022	PPBV #	51
71] 1,1-DICHLOROETHENE (SIM)	2.188	61	1212	0.039	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.511	61	2682	0.087	PPBV	90
73] 1,1-DICHLOROETHANE (SIM)	2.570	63	49683	1.313	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073041.D Vial: 36
Acq On : 14 Mar 2024 06:19 am Operator: CMR
Sample : 24C0251-01 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:18 2024

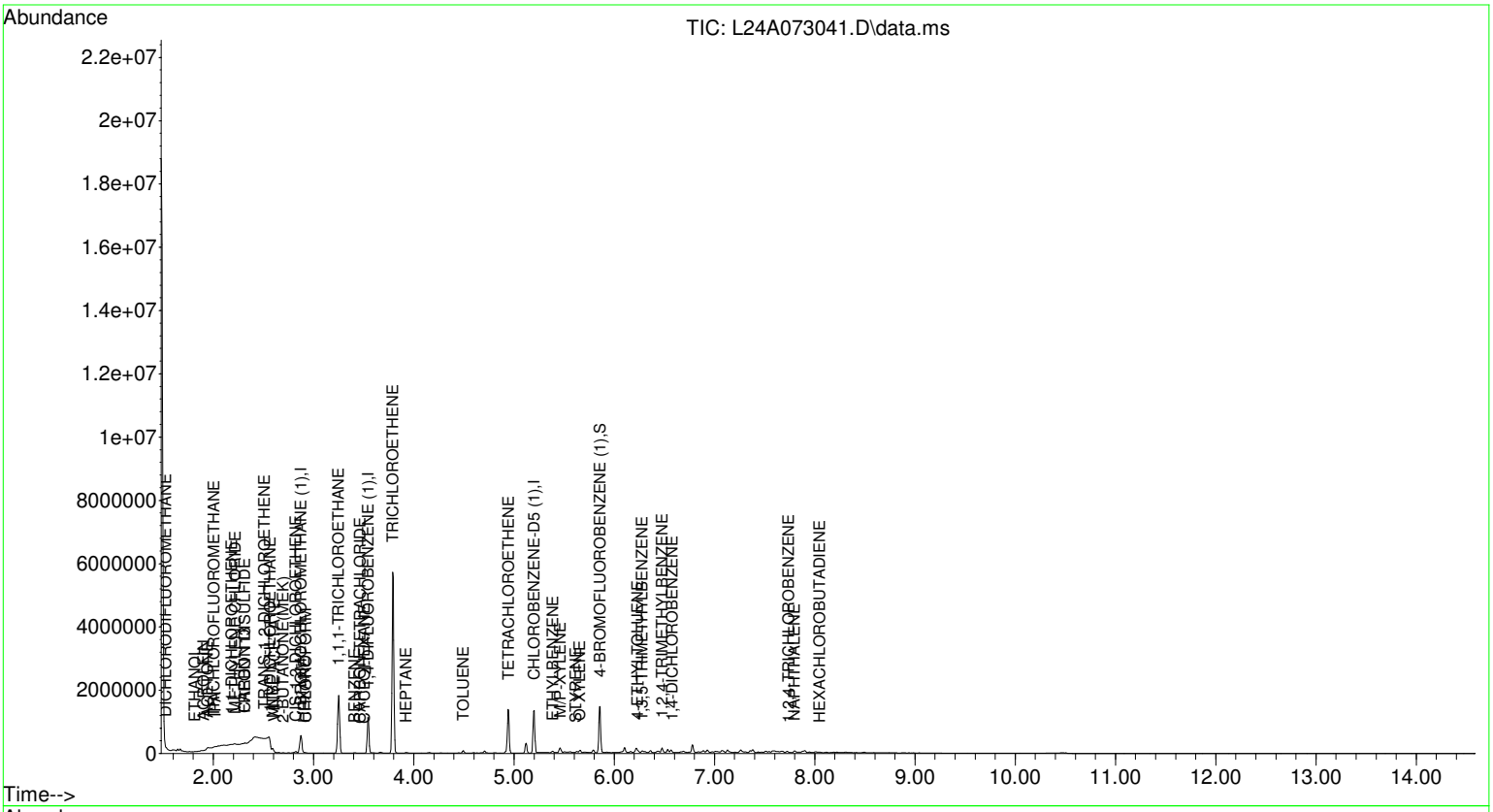
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073041.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

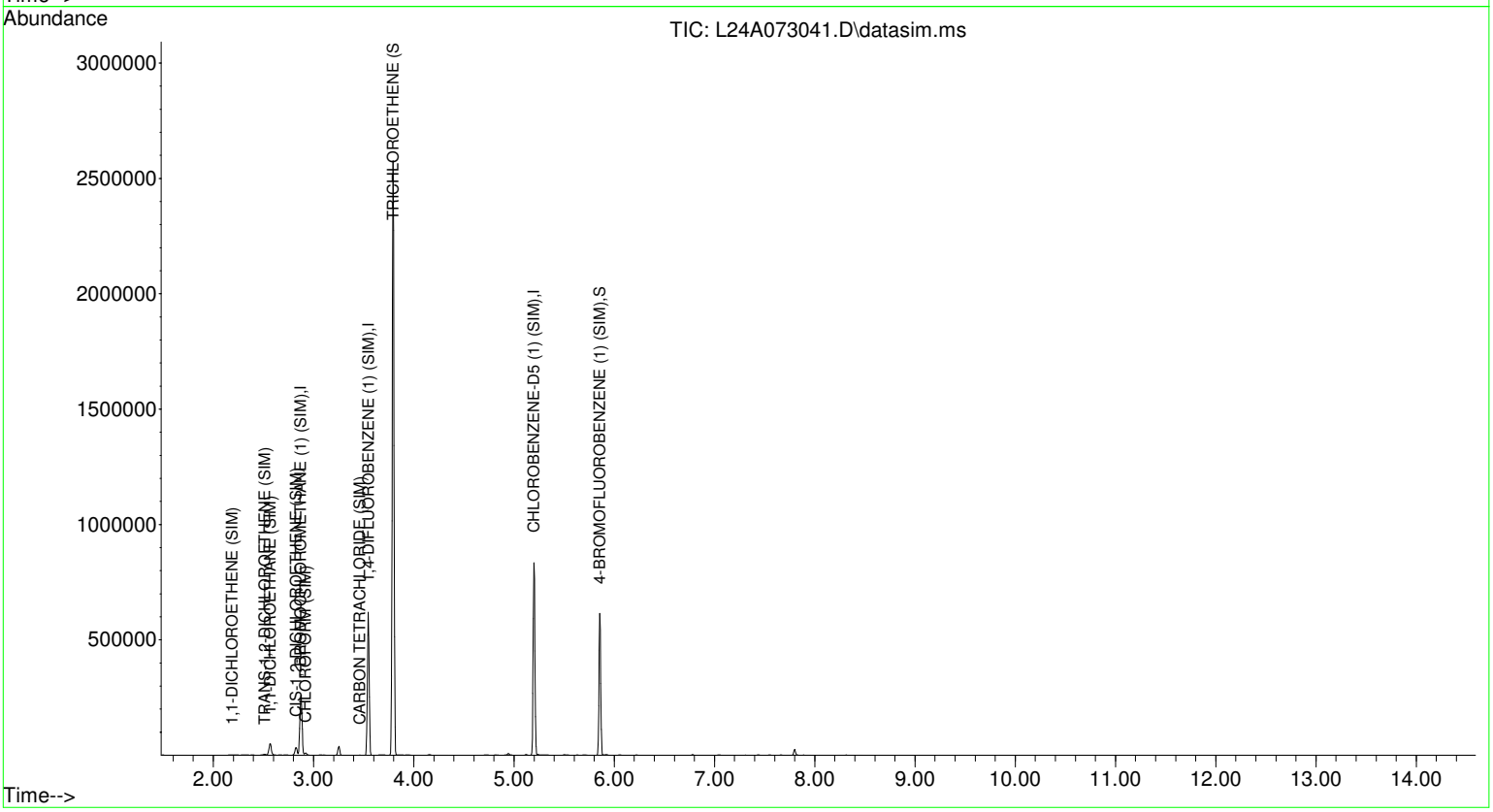
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74] CIS-1,2-DICHLOROETHENE...	2.824	61	23265	0.916	PPBV	87
75] CHLOROFORM (SIM)	2.920	83	7928	0.202	PPBV	97
78] CARBON TETRACHLORIDE (...	3.461	117	450	0.010	PPBV	100
81] TRICHLOROETHENE (SIM)	3.793	95	1506072	54.594	PPBV	100

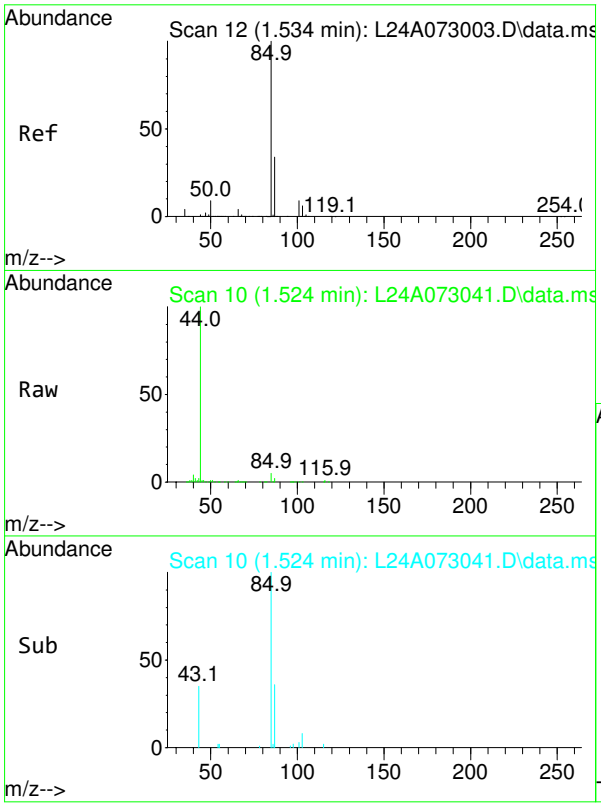
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073041.D Vial: 36
Acq On : 14 Mar 2024 06:19 am Operator: CMR
Sample : 24C0251-01 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:18 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073041.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



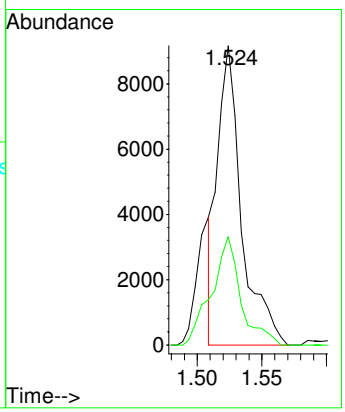


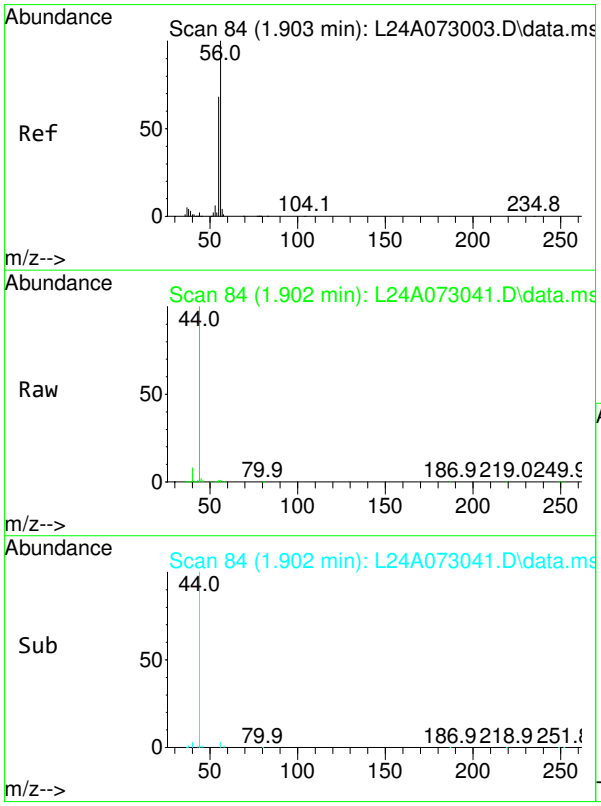


#3
DICHLORODIFLUOROMETHANE
Concen: 0.26 PPBV
RT: 1.524 min Scan# 10
Delta R.T. -0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 85 Resp: 11843

Ion	Ratio	Lower	Upper
85	100		
87	35.3	12.0	52.0

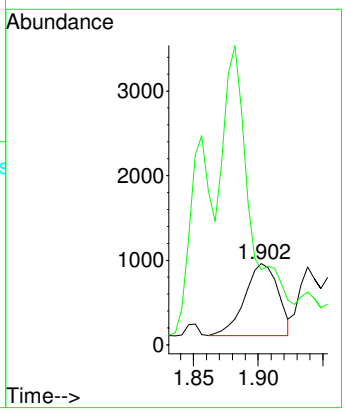


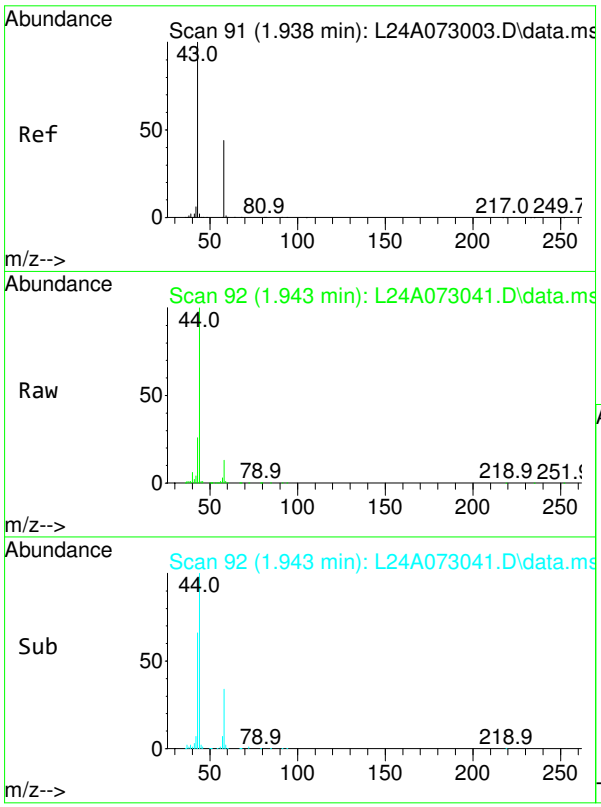


#10
ACROLEIN
Concen: 0.19 PPBV
RT: 1.902 min Scan# 84
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 56 Resp: 1532

Ion	Ratio	Lower	Upper
56	100		
55	262.7	51.4	91.4#

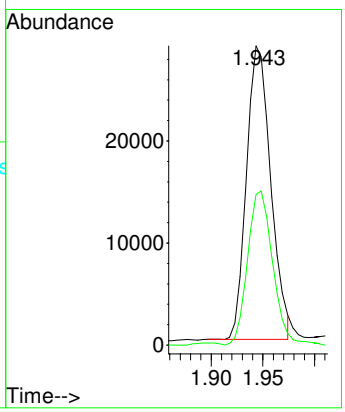


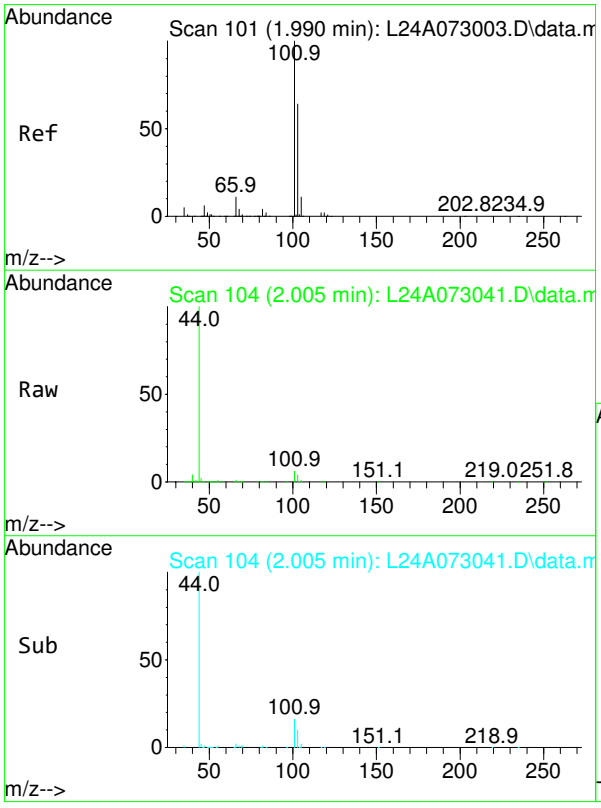


#11
ACETONE
Concen: 1.64 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 43 Resp: 46964

Ion	Ratio	Lower	Upper
43	100		
58	53.1	13.1	53.1#

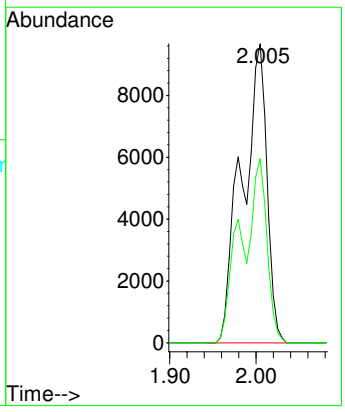


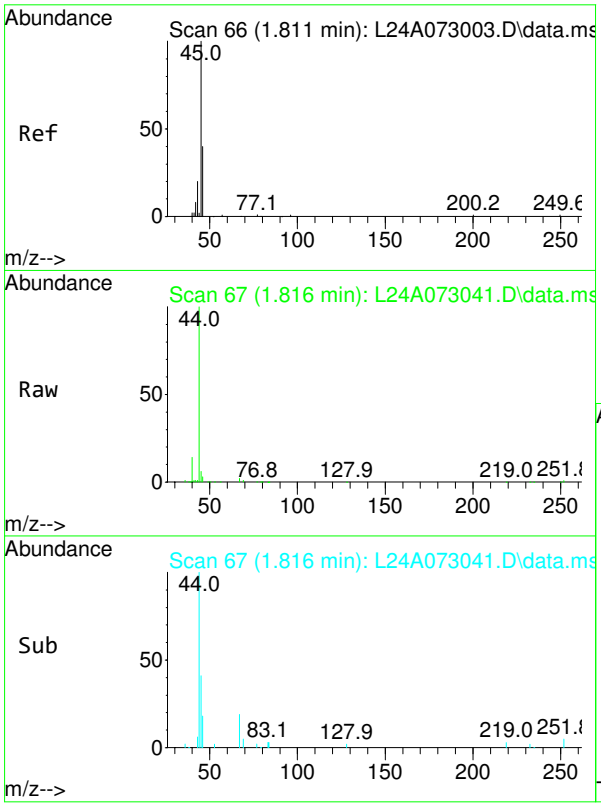


#12
TRICHLOROFLUOROMETHANE
Concen: 0.41 PPBV m
RT: 2.005 min Scan# 104
Delta R.T. 0.018 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:101 Resp: 19218

Ion	Ratio	Lower	Upper
101	100		
103	26.0	44.7	84.7#

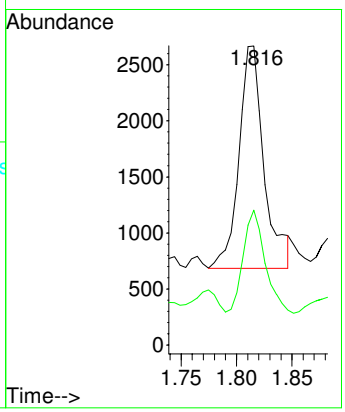


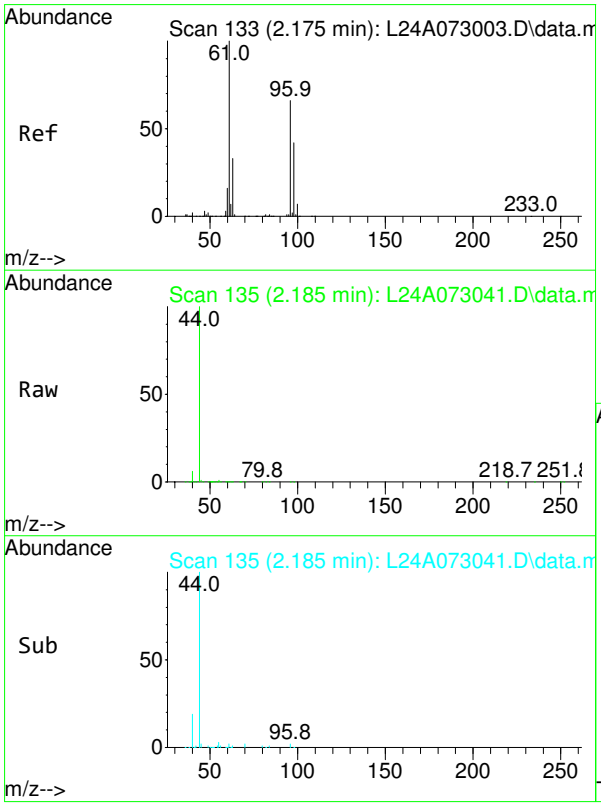


#13
ETHANOL
Concen: 0.71 PPBV
RT: 1.816 min Scan# 67
Delta R.T. 0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 45 Resp: 3121

Ion	Ratio	Lower	Upper
45	100		
46	39.6	20.5	60.5

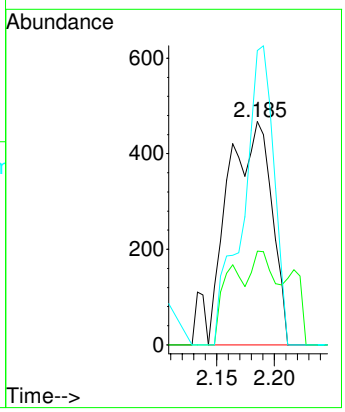


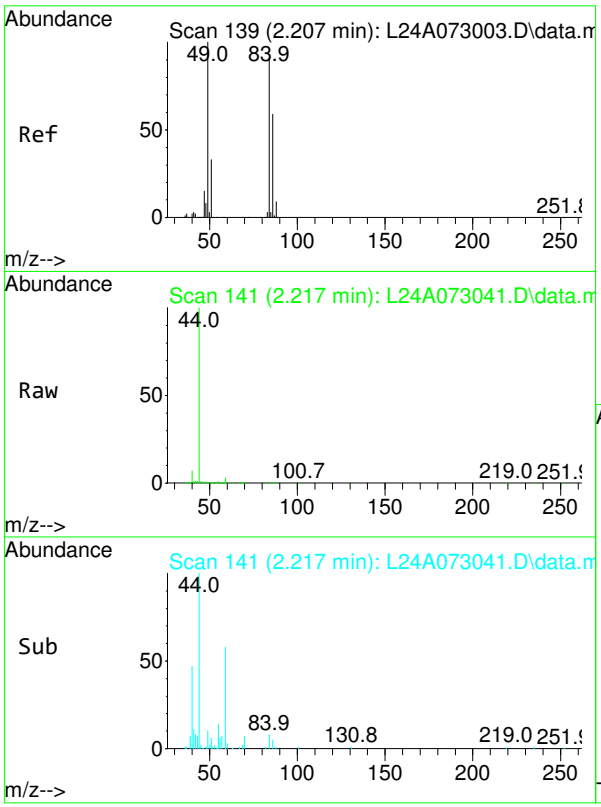


#14
1,1-DICHLOROETHENE
Concen: 0.04 PPBV
RT: 2.185 min Scan# 135
Delta R.T. 0.009 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 1225

Ion	Ratio	Lower	Upper
61	100		
63	42.7	11.7	51.7
96	95.0	36.7	76.7#

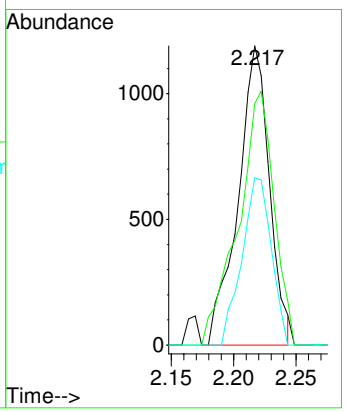


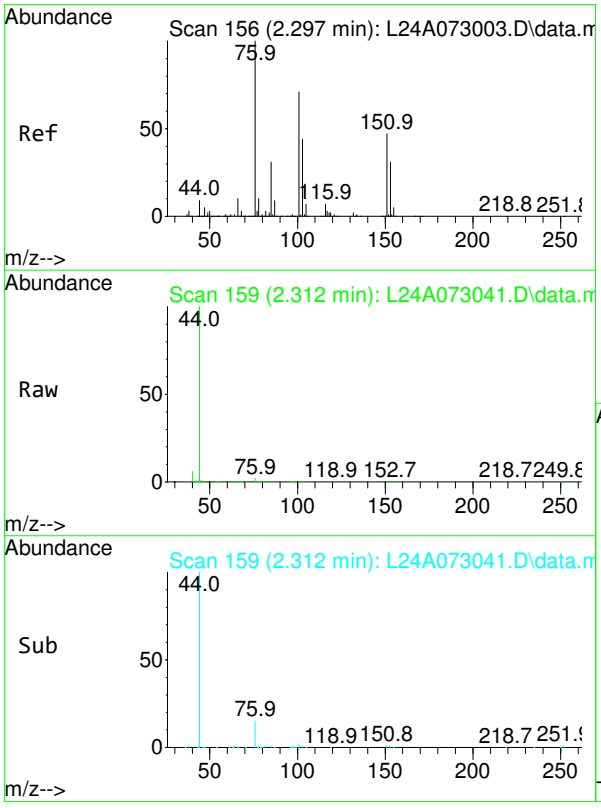


#15
METHYLENE CHLORIDE
Concen: 0.09 PPBV
RT: 2.217 min Scan# 141
Delta R.T. 0.009 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 49 Resp: 2080

Ion	Ratio	Lower	Upper
49	100		
84	96.8	52.0	92.0#
86	52.2	27.3	67.3

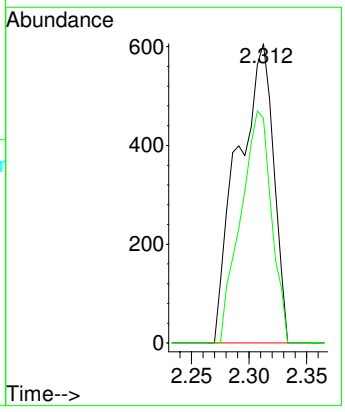


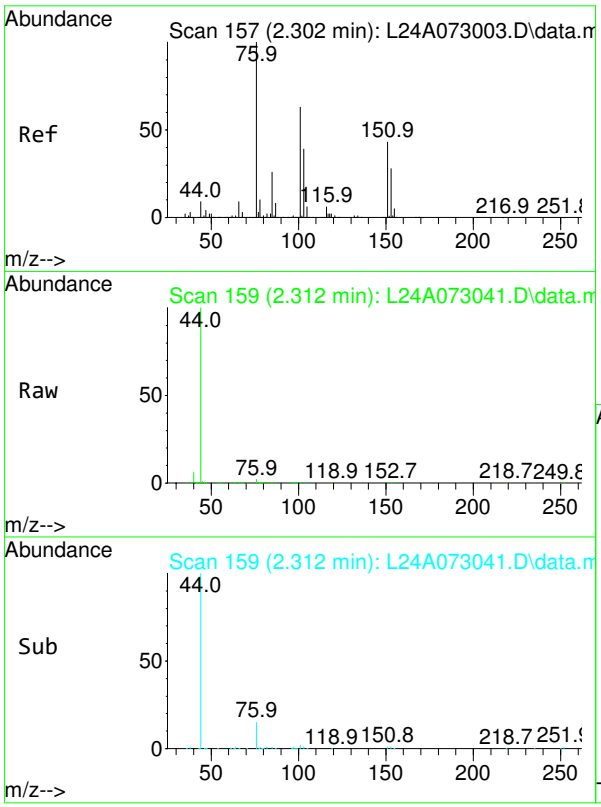


#16
FREON 113
Concen: 0.04 PPBV
RT: 2.312 min Scan# 159
Delta R.T. 0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:101 Resp: 1308

Ion	Ratio	Lower	Upper
101	100		
151	66.6	52.3	92.3

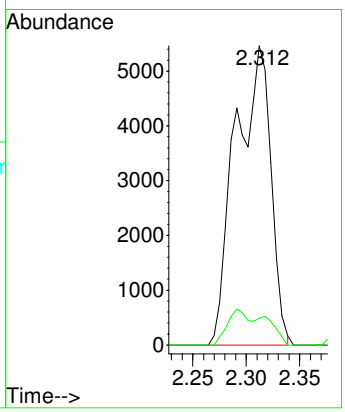


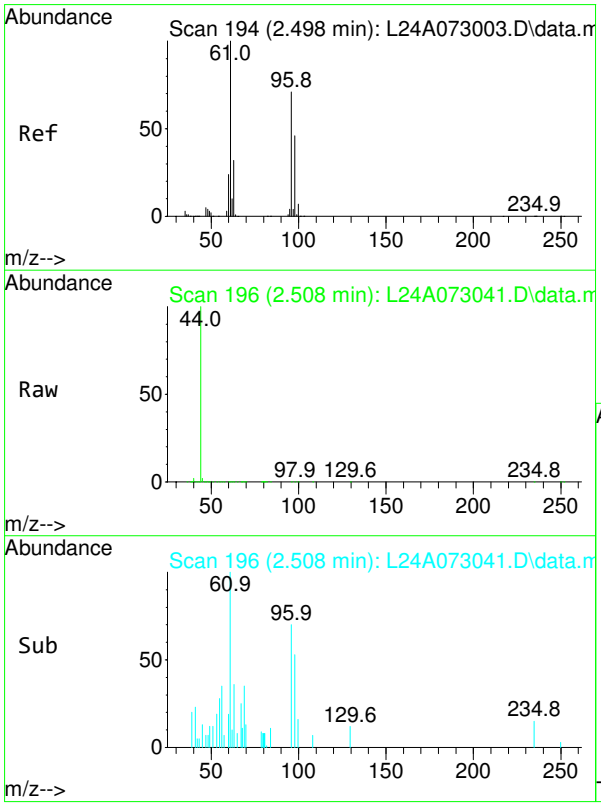


#17
CARBON DISULFIDE
Concen: 0.24 PPBV
RT: 2.312 min Scan# 159
Delta R.T. 0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 76 Resp: 12490

Ion	Ratio	Lower	Upper
76	100		
78	12.6	0.0	31.1

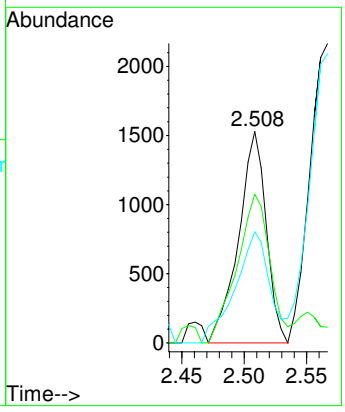


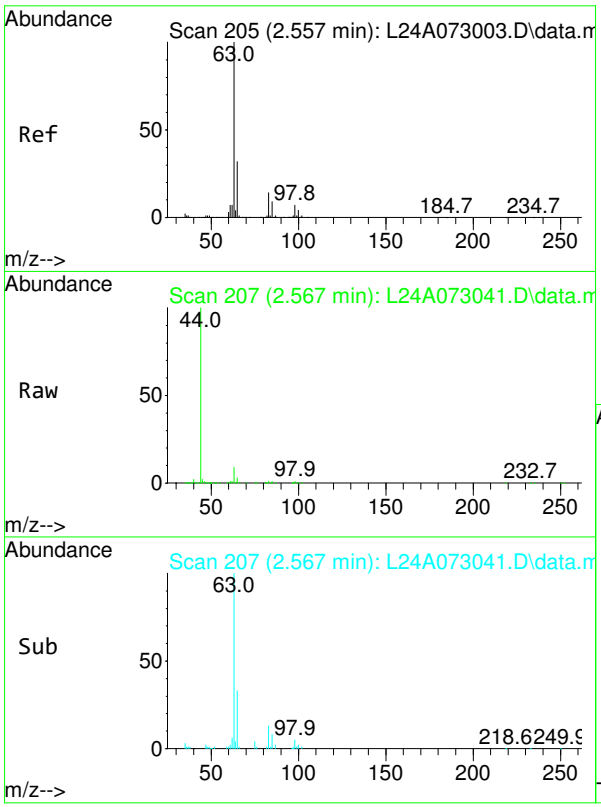


#18
TRANS-1,2-DICHLOROETHENE
Concen: 0.08 PPBV
RT: 2.508 min Scan# 196
Delta R.T. 0.006 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 2352

Ion	Ratio	Lower	Upper
61	100		
96	84.1	43.9	83.9#
98	64.5	20.5	60.5#

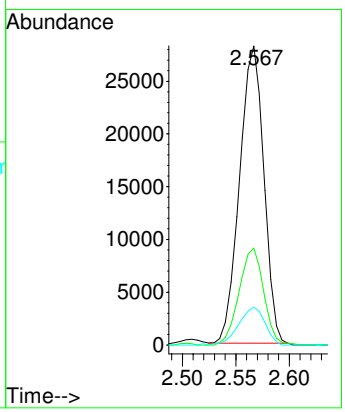


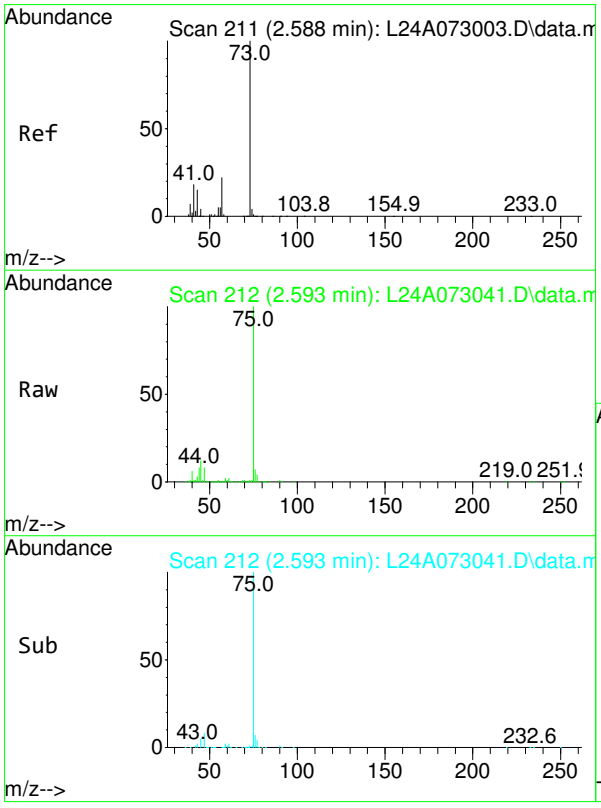


#19
1,1-DICHLOROETHANE
Concen: 1.25 PPBV
RT: 2.567 min Scan# 207
Delta R.T. 0.005 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 63 Resp: 44538

Ion	Ratio	Lower	Upper
63	100		
65	33.0	10.7	50.7
83	13.7	0.0	32.7

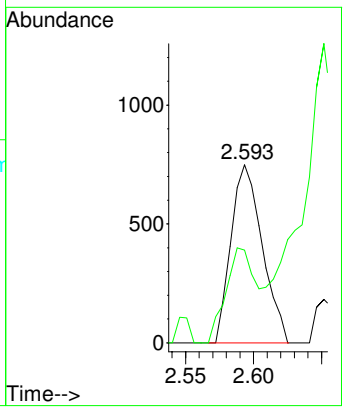


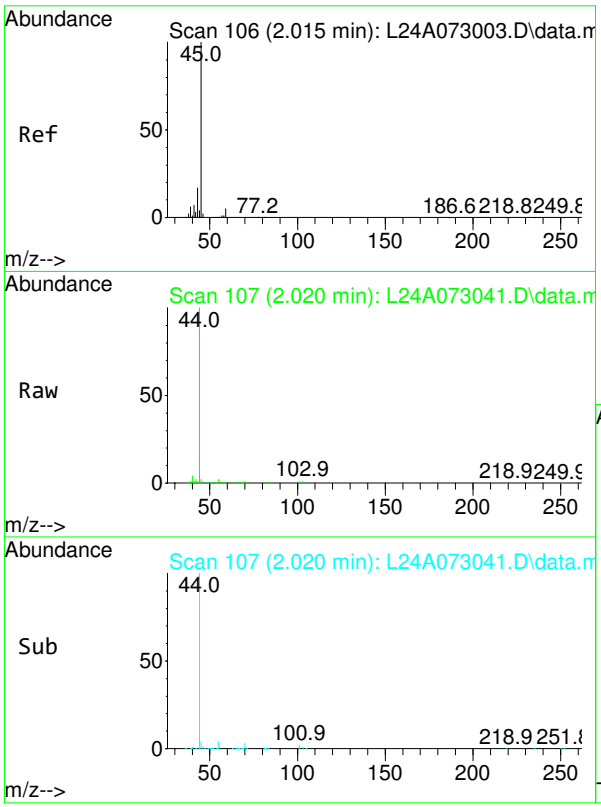


#20
MTBE
Concen: 0.02 PPBV
RT: 2.593 min Scan# 212
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 73 Resp: 1195

Ion	Ratio	Lower	Upper
73	100		
57	55.7	4.6	44.6#

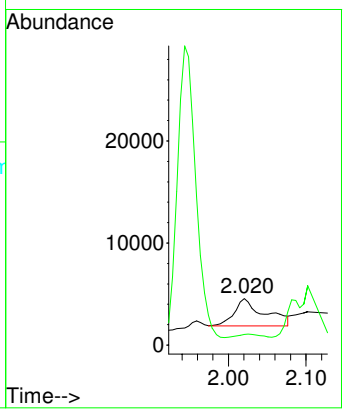


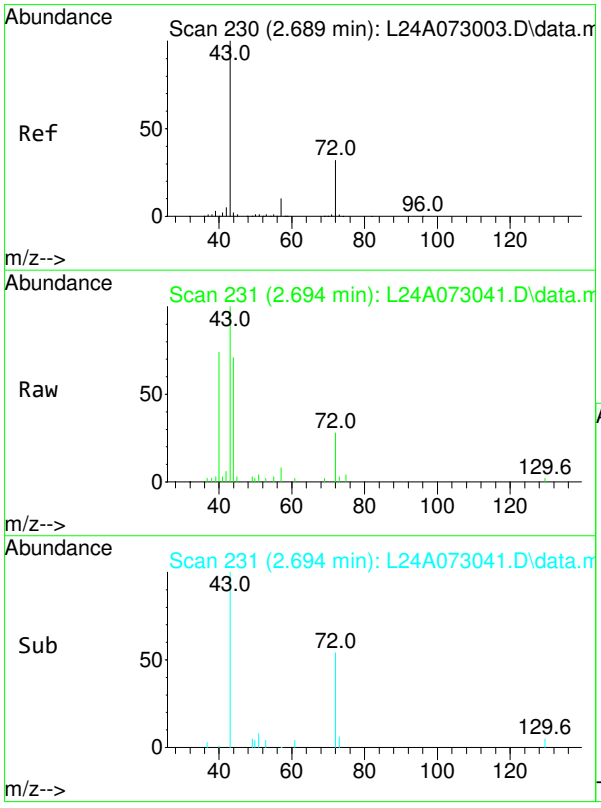


#21
IPA
Concen: 0.23 PPBV
RT: 2.020 min Scan# 107
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 45 Resp: 7054

Ion	Ratio	Lower	Upper
45	100		
43	9.9	0.0	39.3

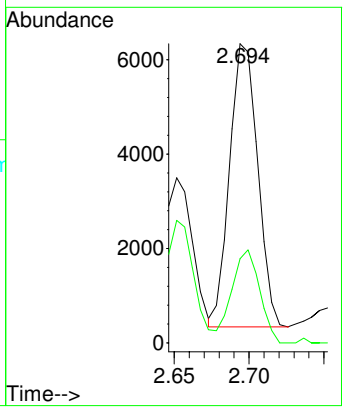


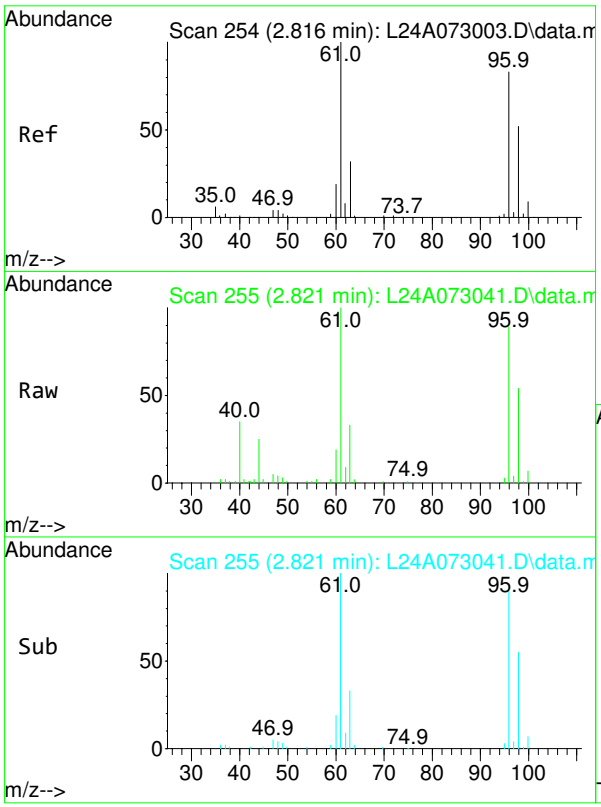


#22
2-BUTANONE(MEK)
Concen: 0.22 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 43 Resp: 7837

Ion	Ratio	Lower	Upper
43	100		
72	32.2	5.6	45.6

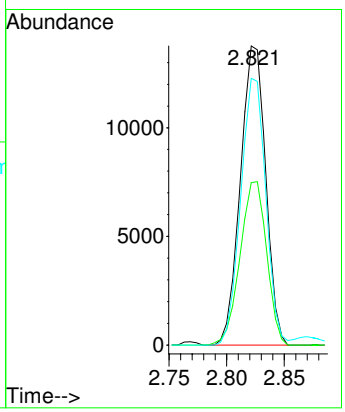


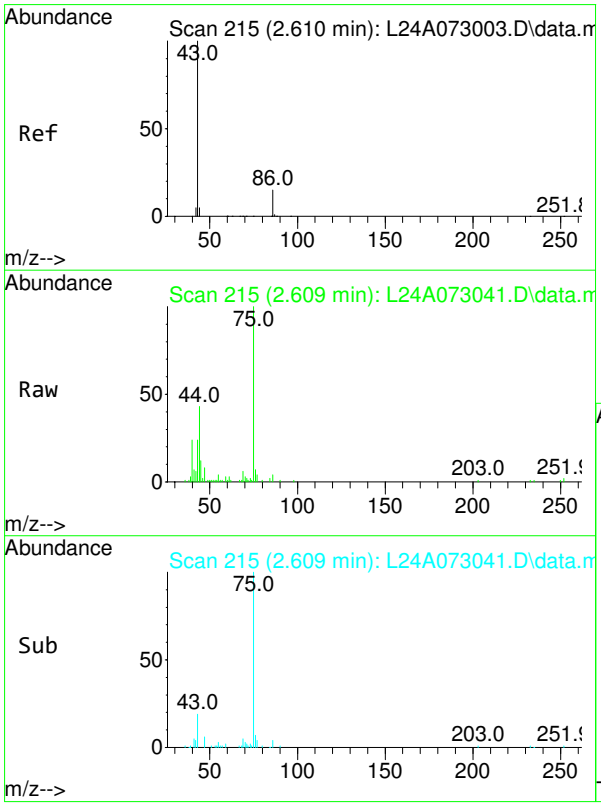


#23
CIS-1,2-DICHLOROETHENE
Concen: 0.90 PPBV
RT: 2.821 min Scan# 255
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 20927

Ion	Ratio	Lower	Upper
61	100		
98	57.3	25.1	65.1
96	88.4	52.2	92.2

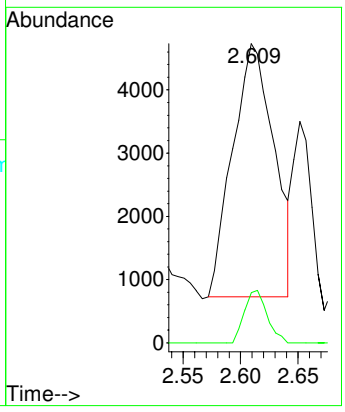


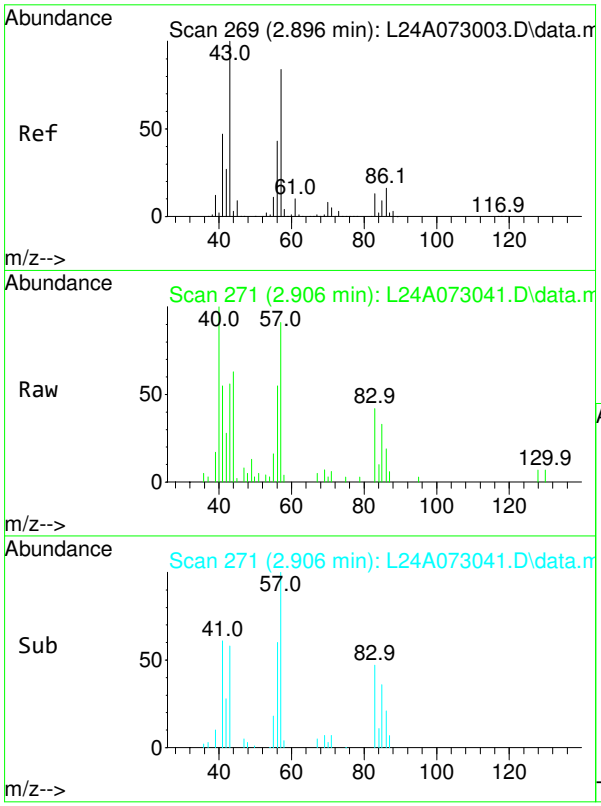


#24
VINYL ACETATE
Concen: 0.27 PPBV
RT: 2.609 min Scan# 215
Delta R.T. -0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 43 Resp: 10013

Ion	Ratio	Lower	Upper
43	100		
86	11.3	0.0	19.5

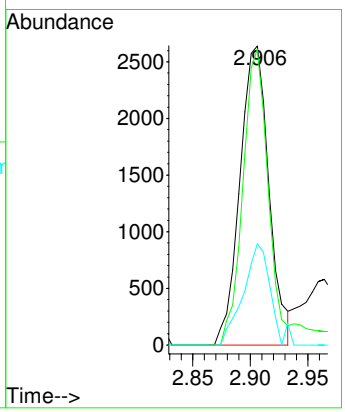


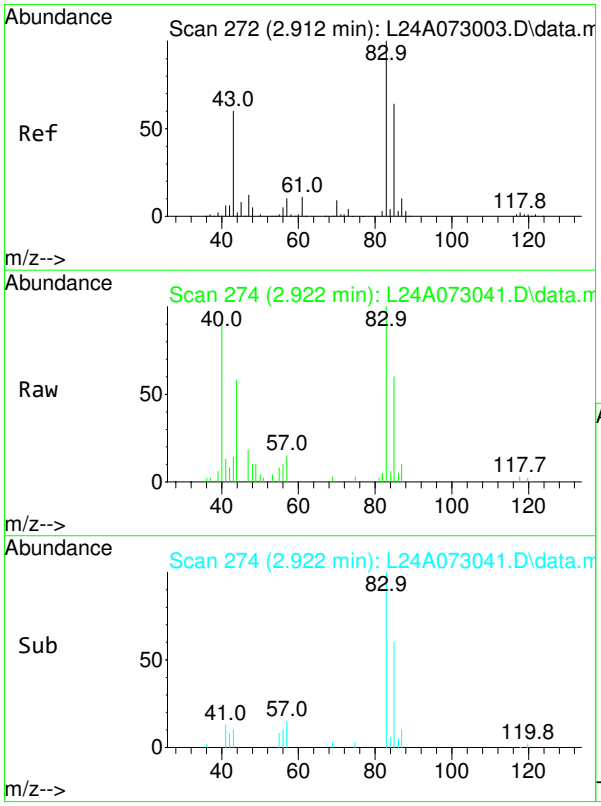


#25
HEXANE
Concen: 0.24 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 41 Resp: 4609

Ion	Ratio	Lower	Upper
41	100		
56	85.6	52.3	92.3
86	31.8	16.1	36.1

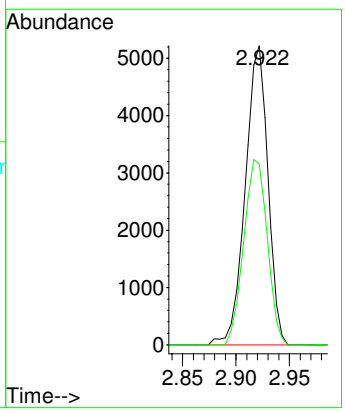


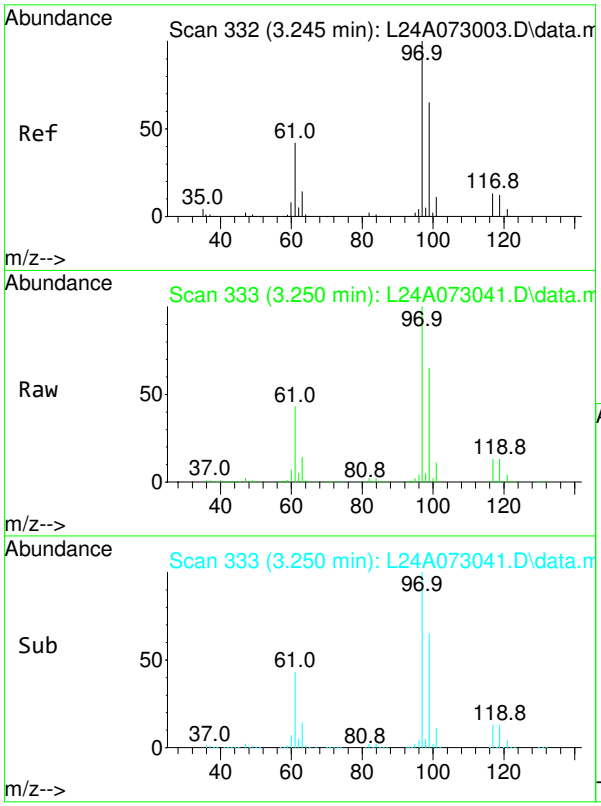


#27
CHLOROFORM
Concen: 0.21 PPBV
RT: 2.922 min Scan# 274
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 83 Resp: 7680

Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.8	84.8

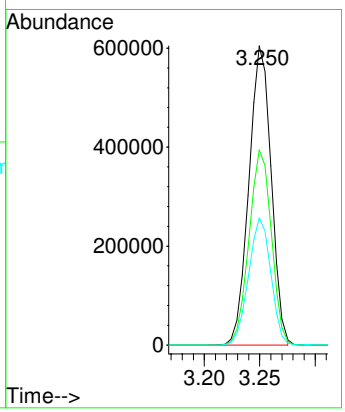


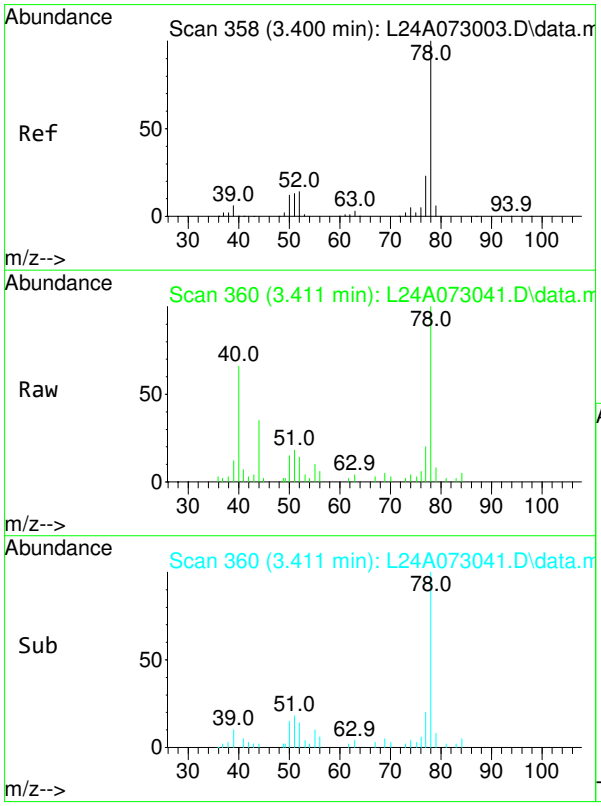


#31
1,1,1-TRICHLOROETHANE
Concen: 20.92 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 97 Resp: 841911

Ion	Ratio	Lower	Upper
97	100		
99	65.5	45.3	85.3
61	42.4	28.1	68.1

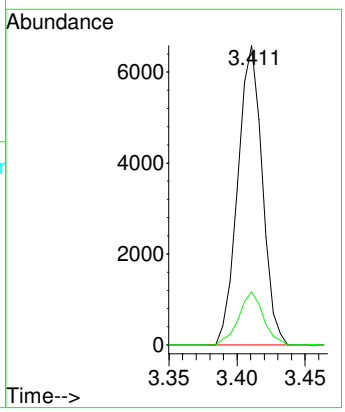


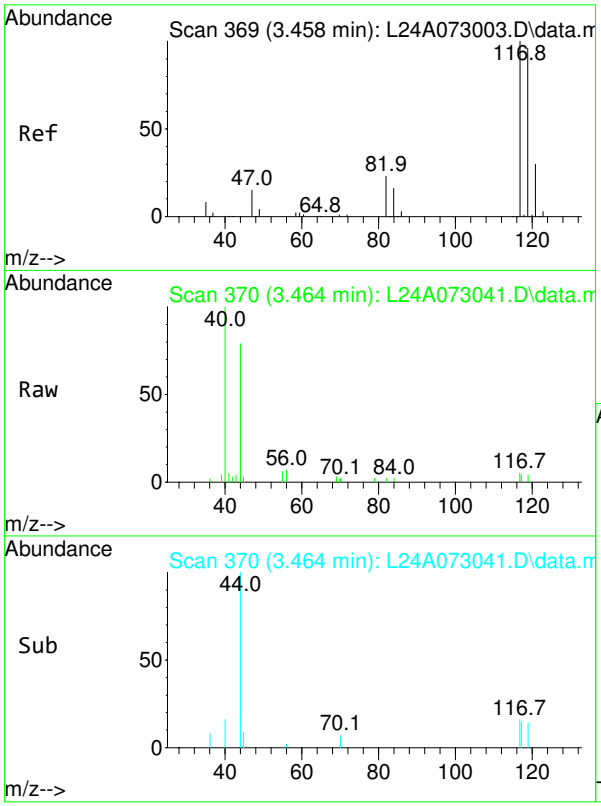


#32
BENZENE
Concen: 0.14 PPBV
RT: 3.411 min Scan# 360
Delta R.T. 0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 78 Resp: 8228

Ion	Ratio	Lower	Upper
78	100		
51	17.9	0.0	37.7

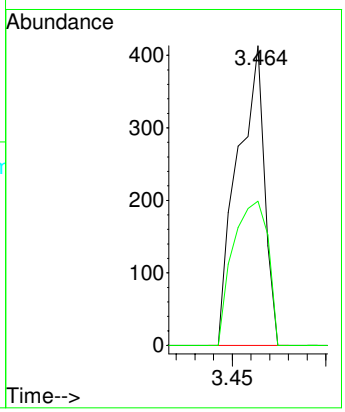


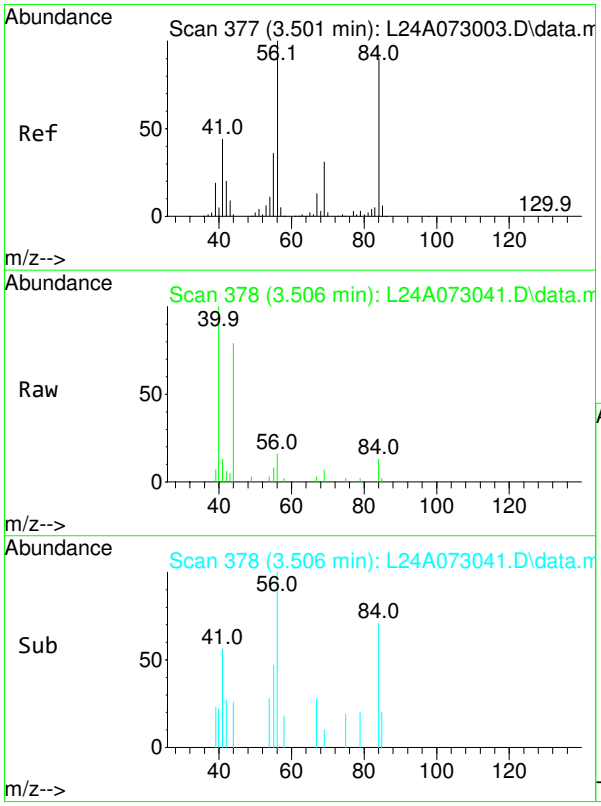


#33
CARBON TETRACHLORIDE
Concen: 0.01 PPBV
RT: 3.464 min Scan# 370
Delta R.T. 0.006 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:117 Resp: 412

Ion	Ratio	Lower	Upper
117	100		
119	62.9	75.3	115.3#

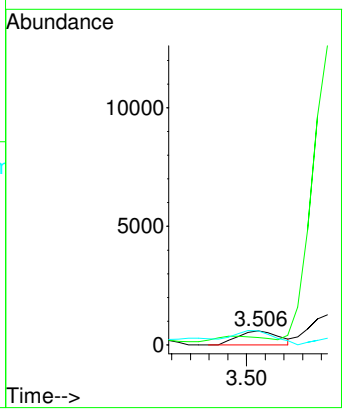


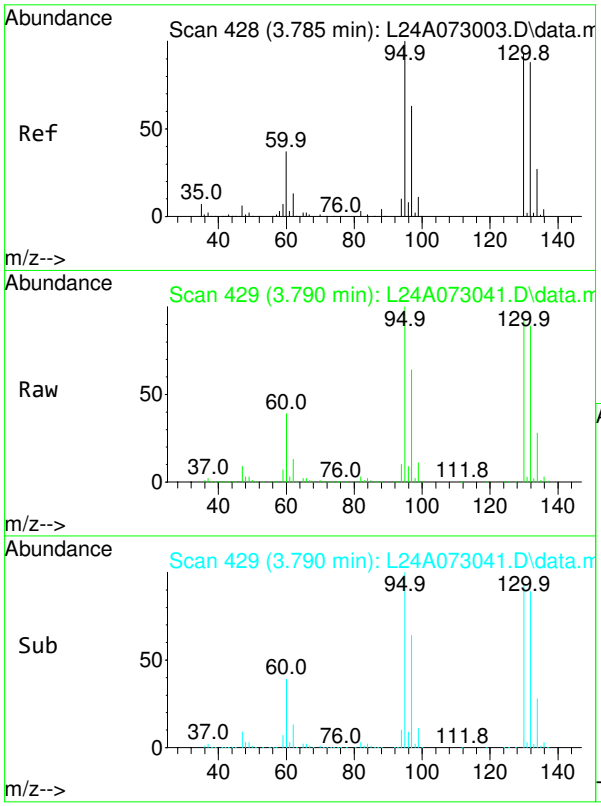


#34
CYCLOHEXANE
Concen: 0.04 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 84 Resp: 885

Ion	Ratio	Lower	Upper
84	100		
69	48.0	17.7	57.7
41	103.7	44.6	84.6#

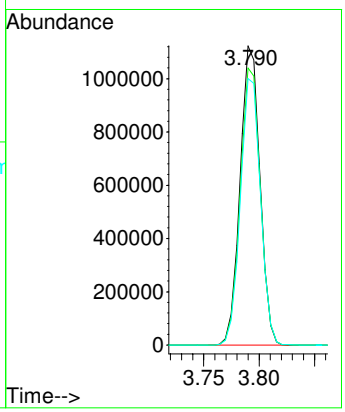


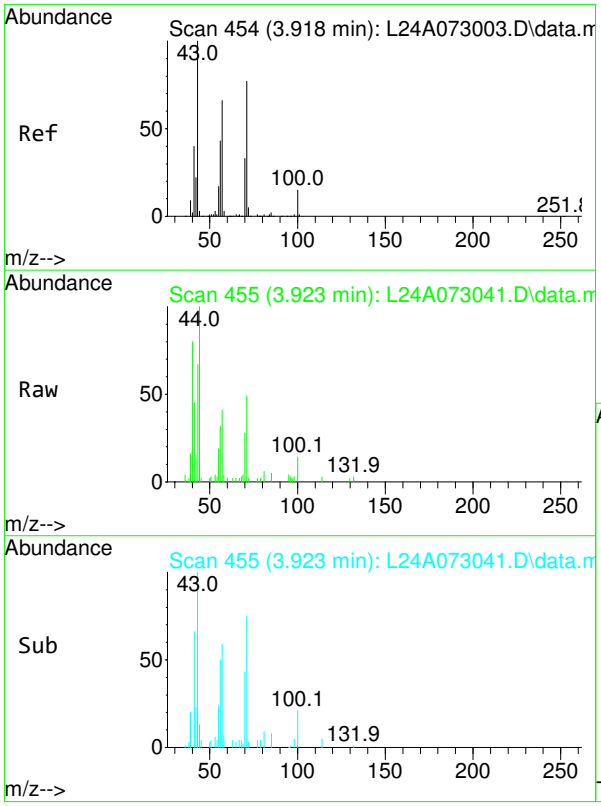


#37
TRICHLOROETHENE
Concen: 52.57 PPBV
RT: 3.790 min Scan# 429
Delta R.T. 0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 95 Resp: 1398984

Ion	Ratio	Lower	Upper
95	100		
130	93.5	76.0	116.0
132	90.1	74.7	114.7

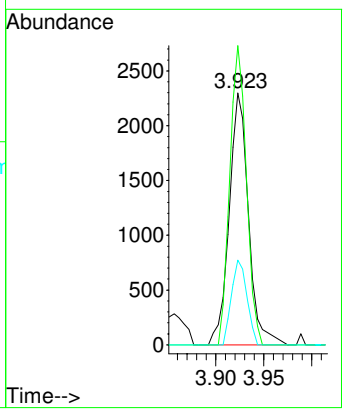


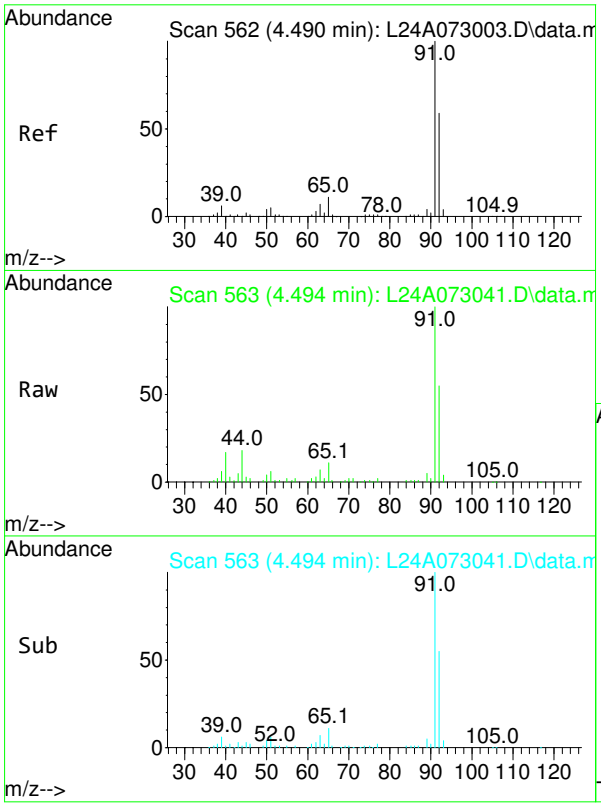


#40
HEPTANE
Concen: 0.23 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 57 Resp: 4199

Ion	Ratio	Lower	Upper
57	100		
71	107.4	87.9	127.9
100	20.5	4.4	44.4

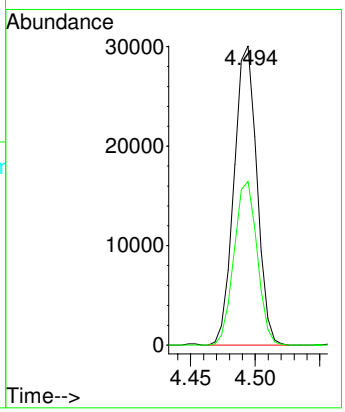


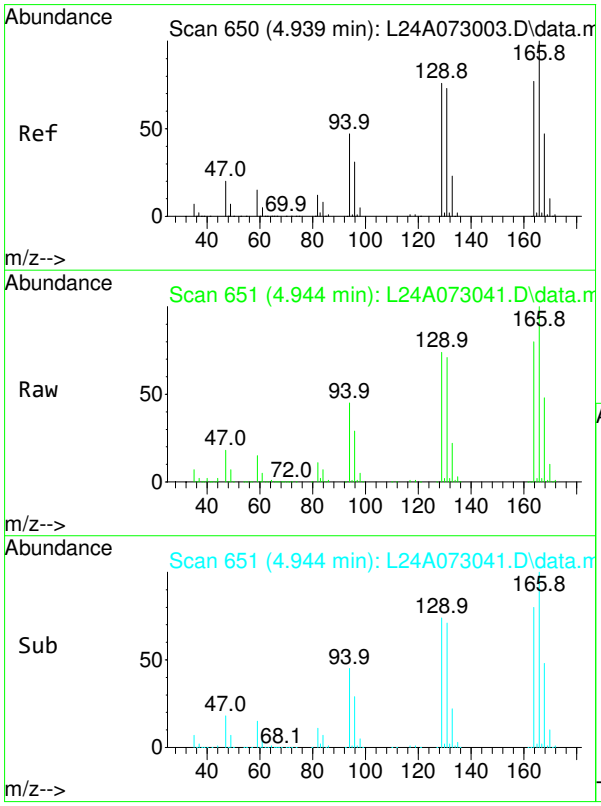


#46
TOLUENE
Concen: 0.54 PPBV
RT: 4.494 min Scan# 563
Delta R.T. 0.000 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 36961

Ion	Ratio	Lower	Upper
91	100		
92	55.3	39.1	79.1

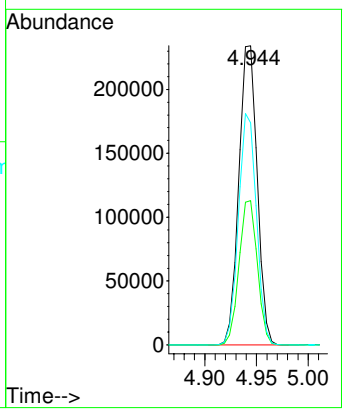


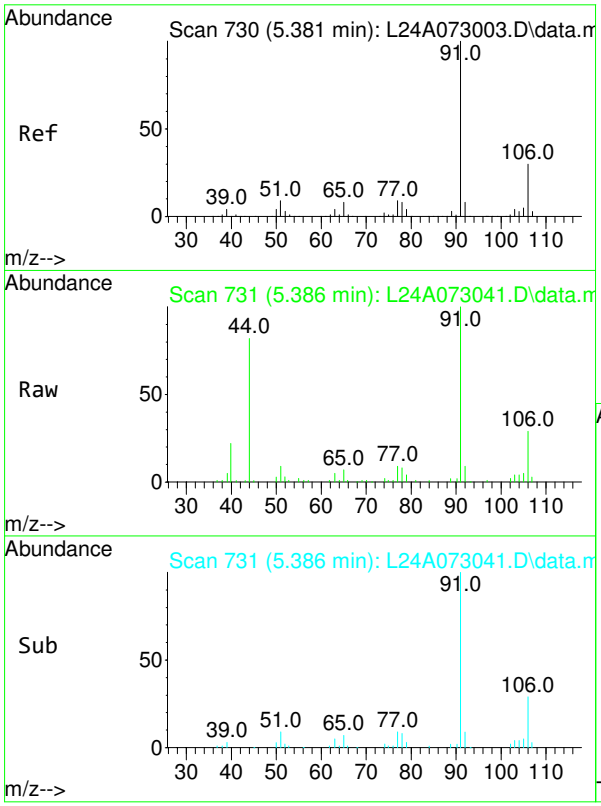


#50
TETRACHLOROETHENE
Concen: 9.53 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:166 Resp: 289841

Ion	Ratio	Lower	Upper
166	100		
168	48.0	28.8	68.8
129	75.6	56.6	96.6

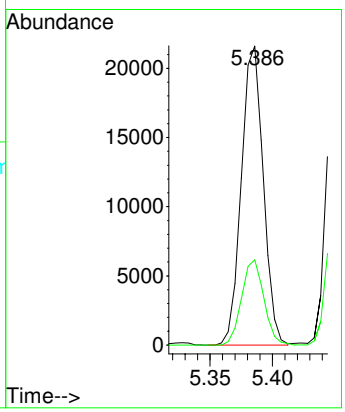


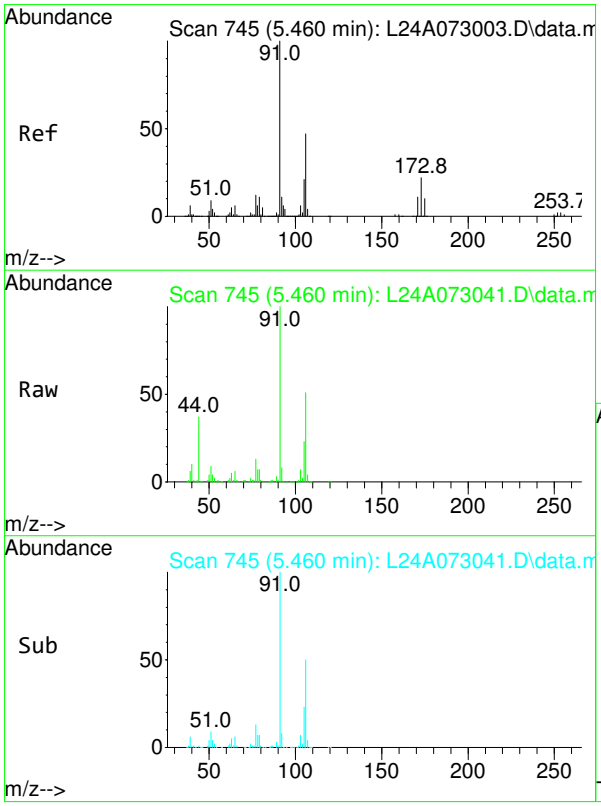


#52
ETHYLBENZENE
Concen: 0.31 PPBV
RT: 5.386 min Scan# 731
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 26428

Ion	Ratio	Lower	Upper
91	100		
106	28.9	10.1	50.1

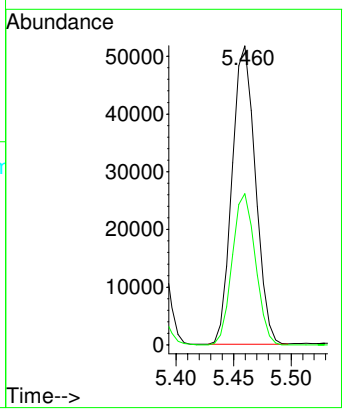


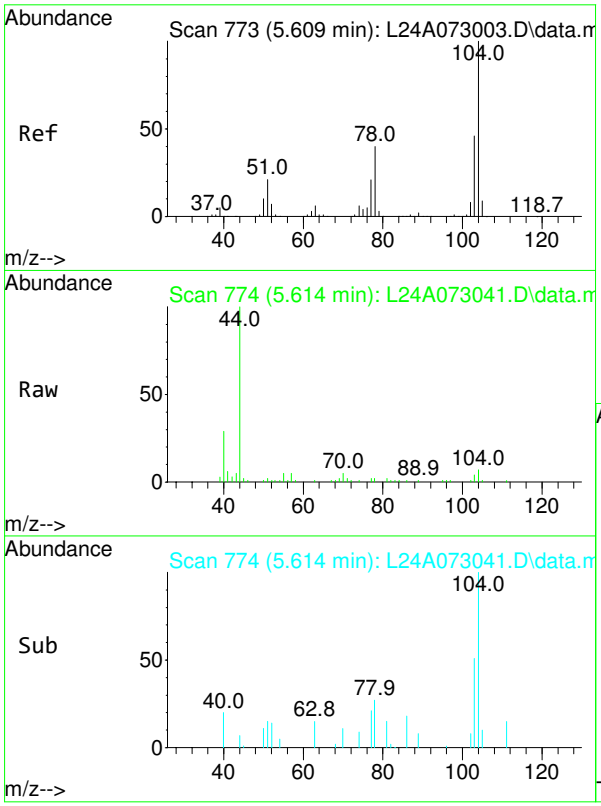


#53
M/P-XYLENE
Concen: 1.02 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 72472

Ion	Ratio	Lower	Upper
91	100		
106	50.4	24.9	64.9

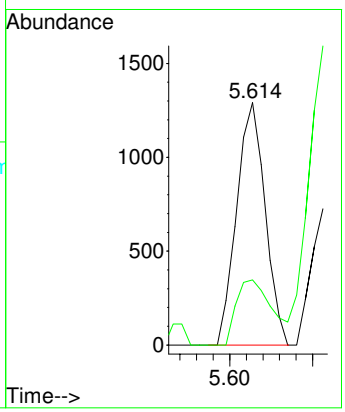


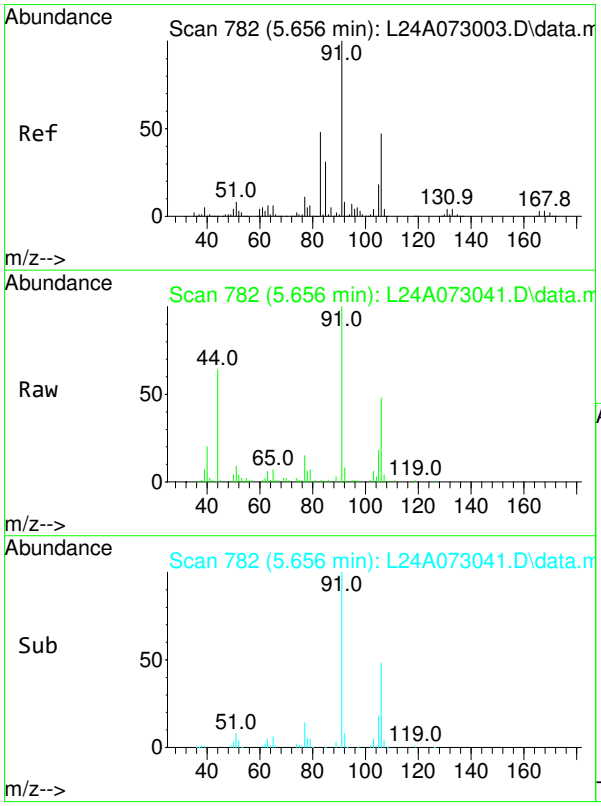


#55
STYRENE
Concen: 0.03 PPBV
RT: 5.614 min Scan# 774
Delta R.T. -0.001 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:104 Resp: 1538

Ion	Ratio	Lower	Upper
104	100		
78	34.2	24.7	64.7

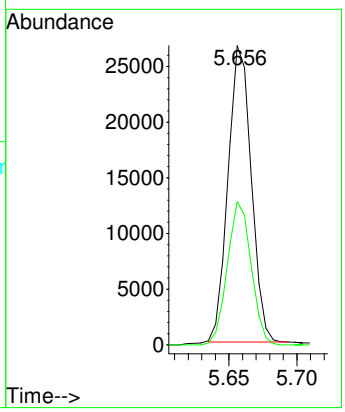


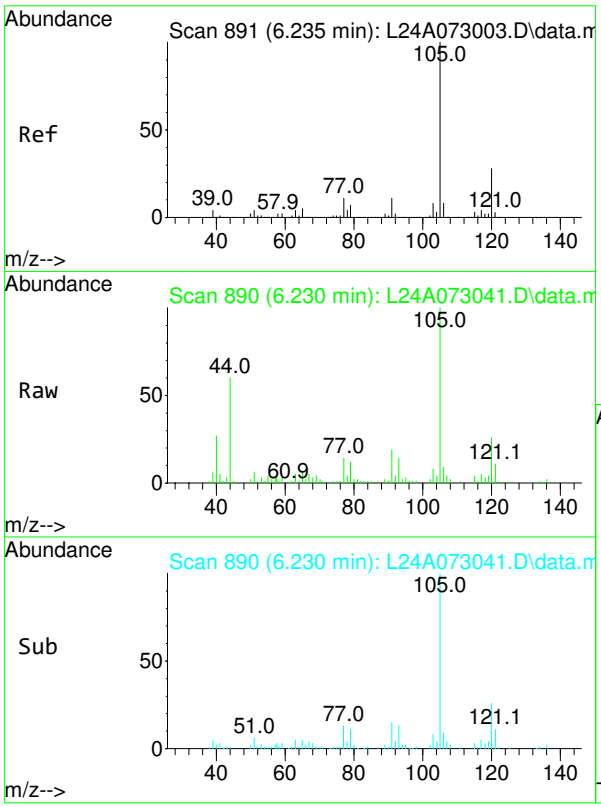


#56
O-XYLENE
Concen: 0.45 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 91 Resp: 31585

Ion	Ratio	Lower	Upper
91	100		
106	49.5	25.4	65.4

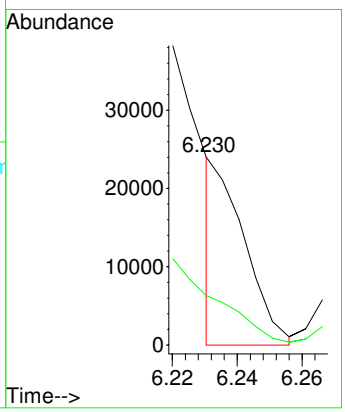


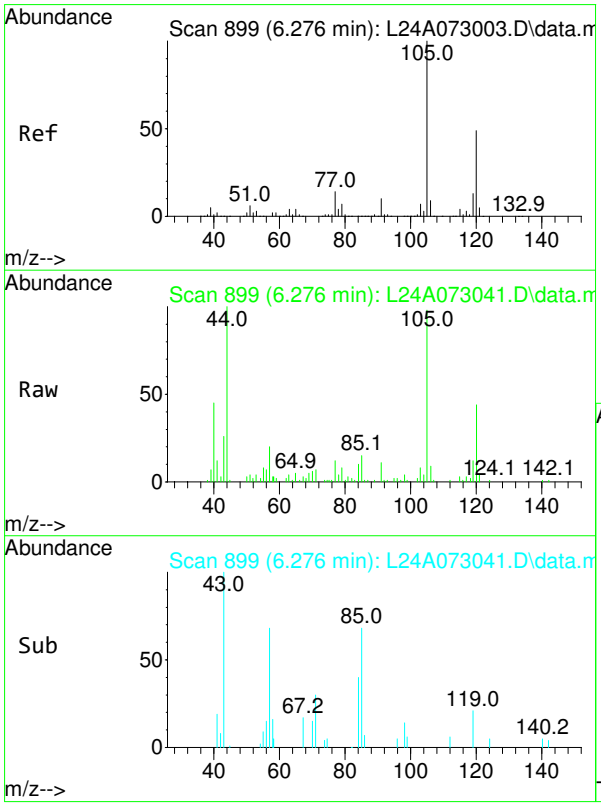


#59
4-ETHYLTOLUENE
Concen: 0.17 PPBV m
RT: 6.230 min Scan# 890
Delta R.T. -0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:105 Resp: 15290

Ion	Ratio	Lower	Upper
105	100		
120	117.8	8.8	48.8#

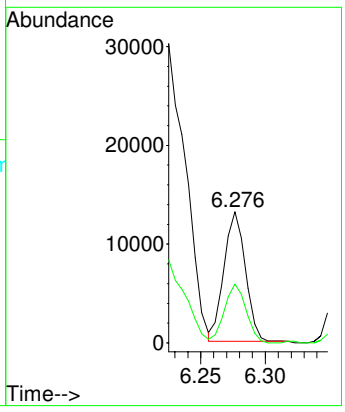


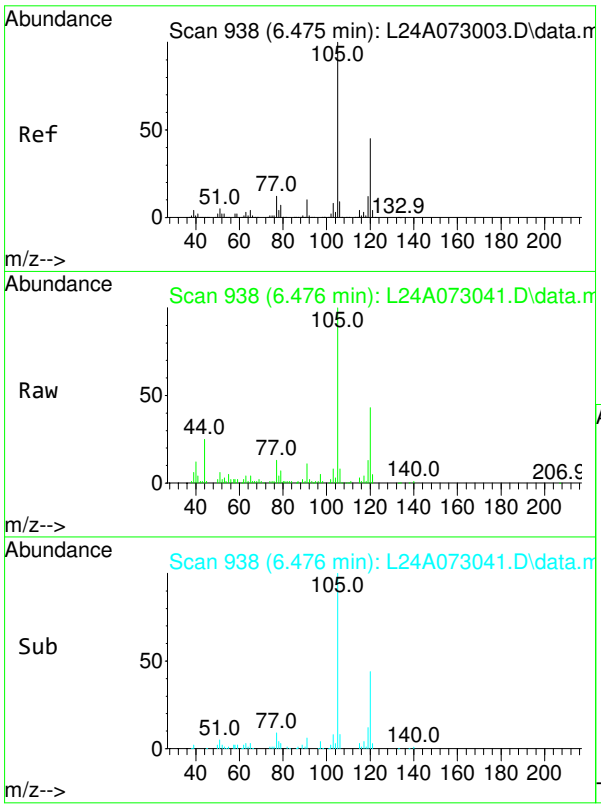


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.20 PPBV
RT: 6.276 min Scan# 899
Delta R.T. -0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:105 Resp: 15113

Ion	Ratio	Lower	Upper
105	100		
120	45.9	26.9	66.9

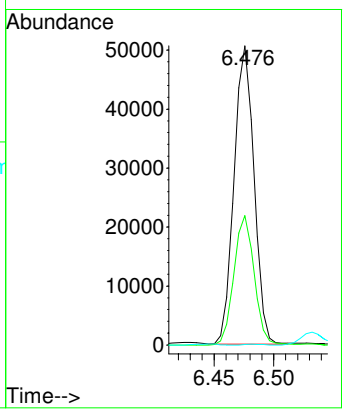


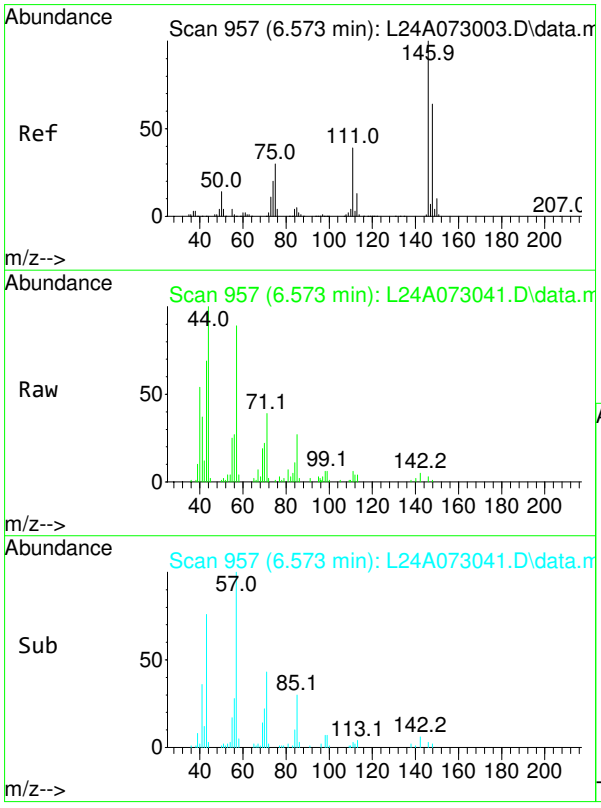


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.79 PPBV
RT: 6.476 min Scan# 938
Delta R.T. -0.007 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:105 Resp: 58528

Ion	Ratio	Lower	Upper
105	100		
120	44.0	24.0	64.0
207	0.3	0.0	20.0

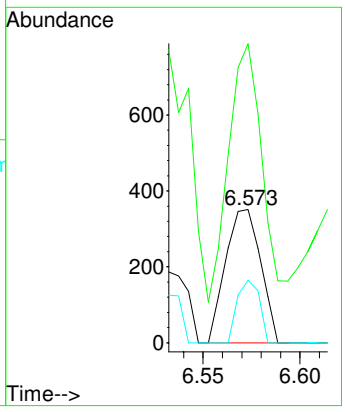


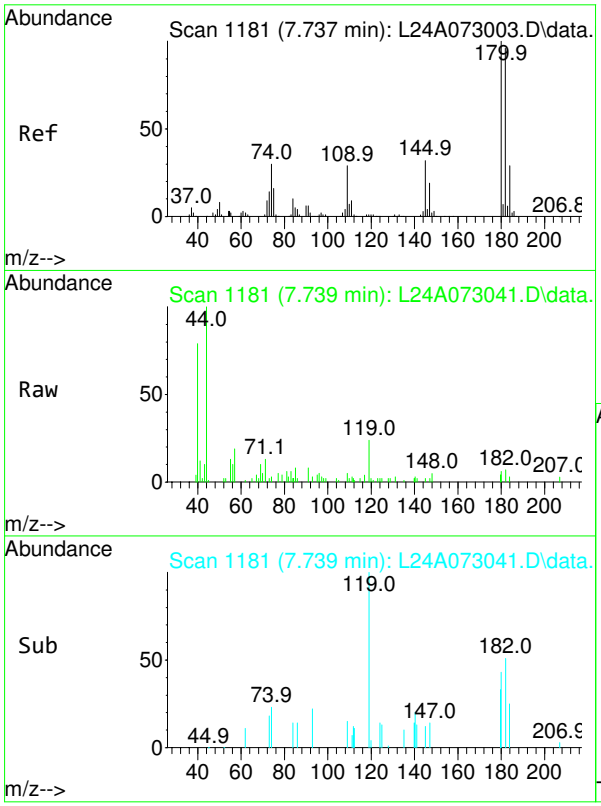


#64
1,4-DICHLOROBENZENE
Concen: 0.01 PPBV
RT: 6.573 min Scan# 957
Delta R.T. -0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:146 Resp: 441

Ion	Ratio	Lower	Upper
146	100		
111	184.4	20.5	60.5#
148	29.7	44.9	84.9#

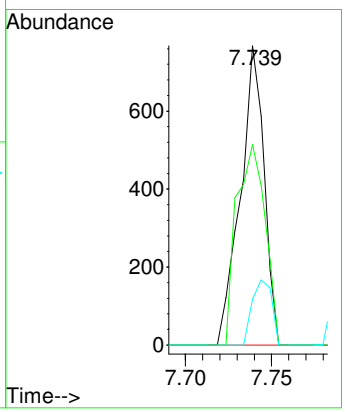


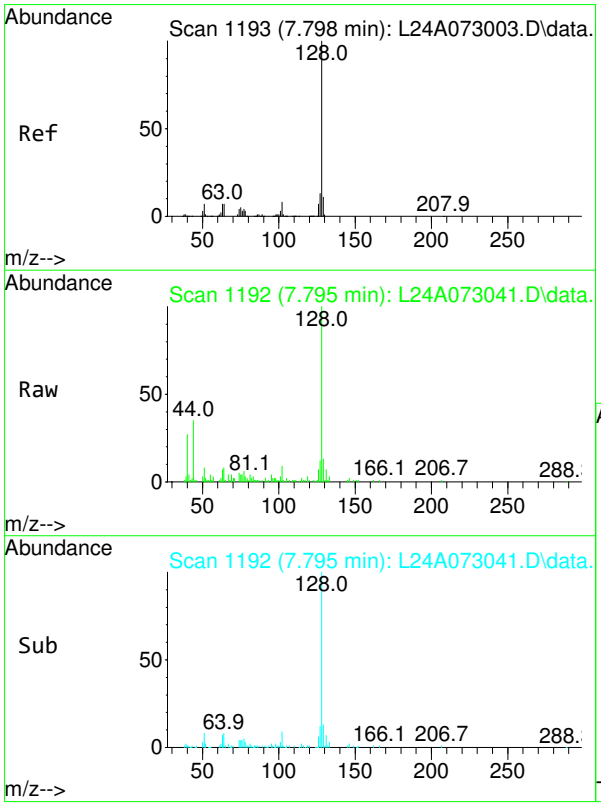


#66
1,2,4-TRICHLOROBENZENE
Concen: 0.03 PPBV
RT: 7.739 min Scan# 1181
Delta R.T. -0.006 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:180 Resp: 733

Ion	Ratio	Lower	Upper
180	100		
182	80.9	72.7	112.7
145	18.0	10.8	50.8

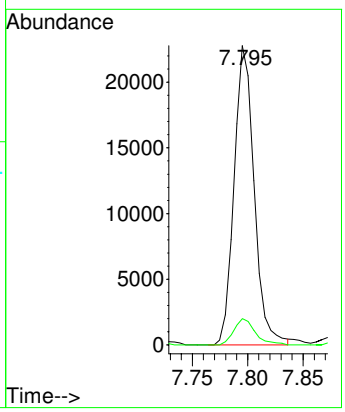


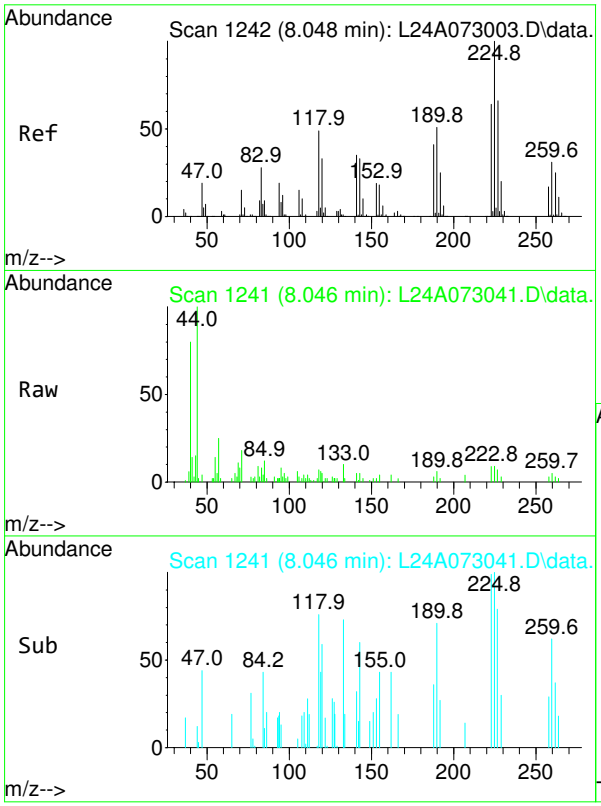


#67
NAPHTHALENE
Concen: 0.41 PPBV
RT: 7.795 min Scan# 1192
Delta R.T. -0.008 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:128 Resp: 28758

Ion	Ratio	Lower	Upper
128	100		
102	9.3	0.0	29.2

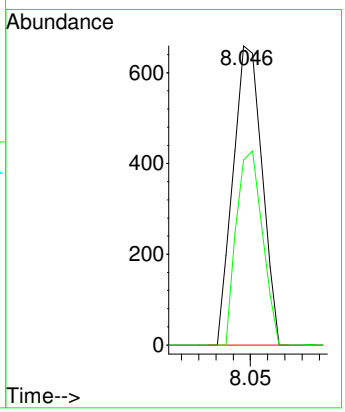


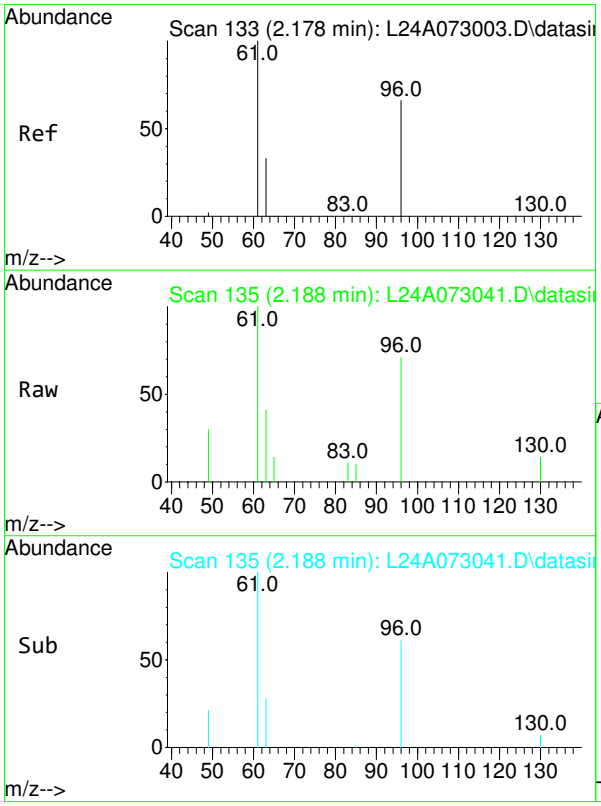


#68
HEXACHLOROBUTADIENE
Concen: 0.02 PPBV
RT: 8.046 min Scan# 1241
Delta R.T. -0.009 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:225 Resp: 772

Ion	Ratio	Lower	Upper
225	100		
260	58.2	11.2	51.2#

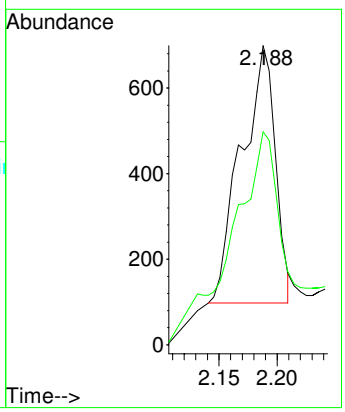


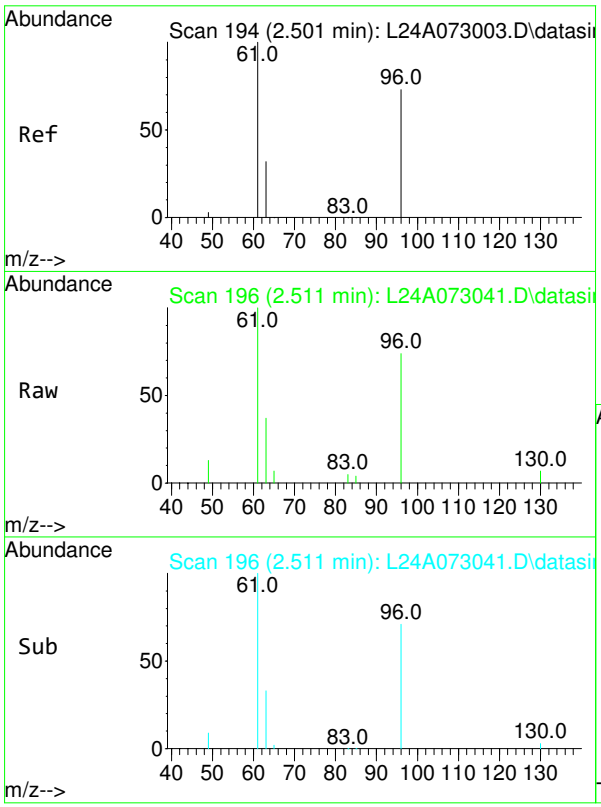


#71
1,1-DICHLOROETHENE (SIM)
Concen: 0.04 PPBV
RT: 2.188 min Scan# 135
Delta R.T. 0.010 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 1212

Ion	Ratio	Lower	Upper
61	100		
96	62.5	36.0	76.0

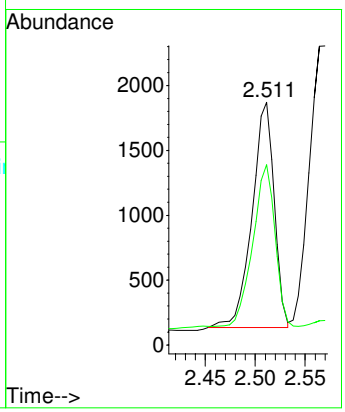


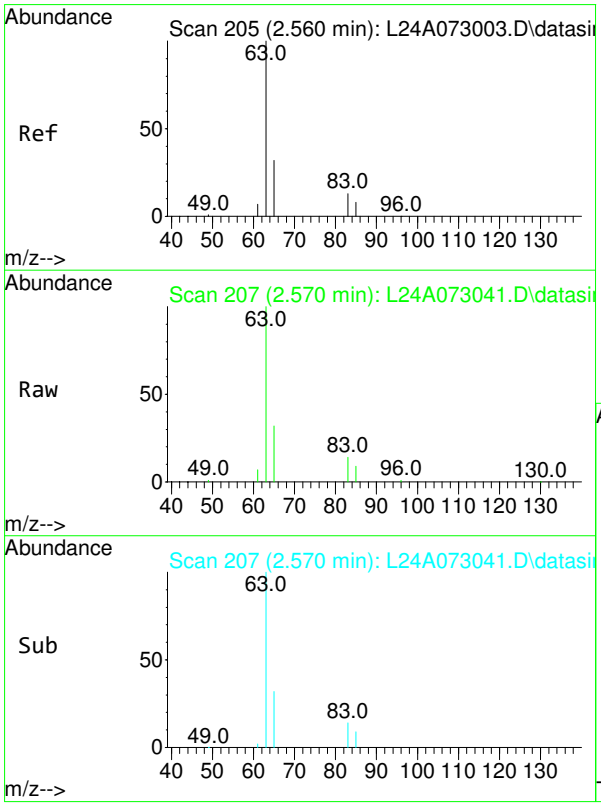


#72
TRANS-1,2-DICHLOROETHENE (SIM)
Concen: 0.09 PPBV
RT: 2.511 min Scan# 196
Delta R.T. 0.012 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 2682

Ion	Ratio	Lower	Upper
61	100		
96	71.6	43.8	83.8

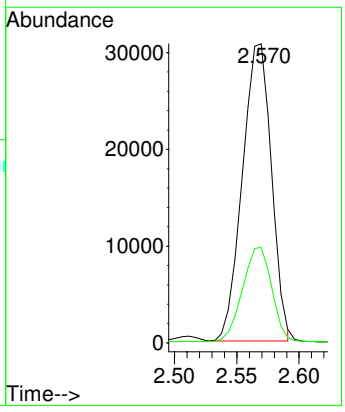


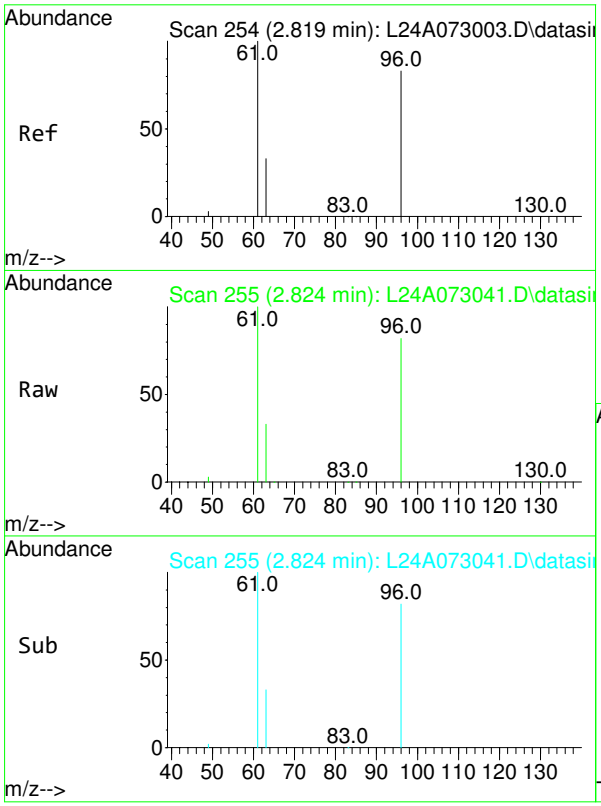


#73
1,1-DICHLOROETHANE (SIM)
Concen: 1.31 PPBV
RT: 2.570 min Scan# 207
Delta R.T. 0.011 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 63 Resp: 49683

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.5	51.5

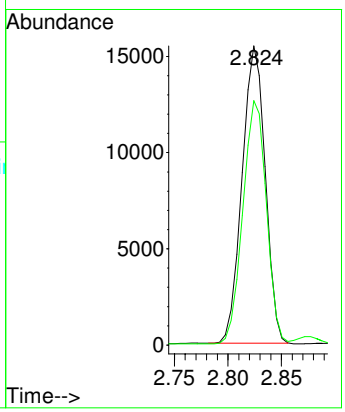


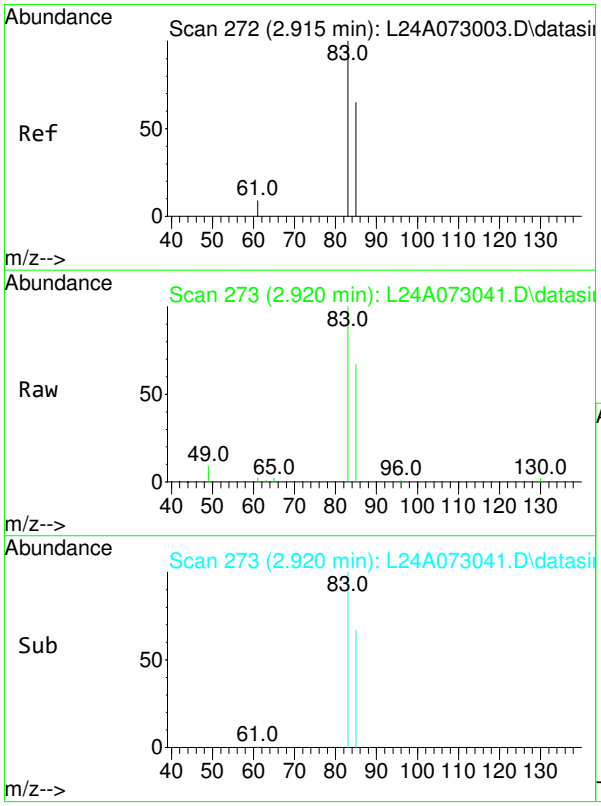


#74
CIS-1,2-DICHLOROETHENE (SIM)
Concen: 0.92 PPBV
RT: 2.824 min Scan# 255
Delta R.T. 0.004 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 61 Resp: 23265

Ion	Ratio	Lower	Upper
61	100		
96	82.9	52.2	92.2

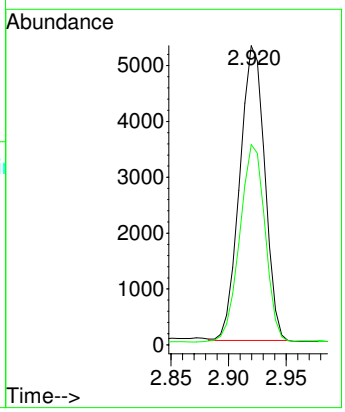


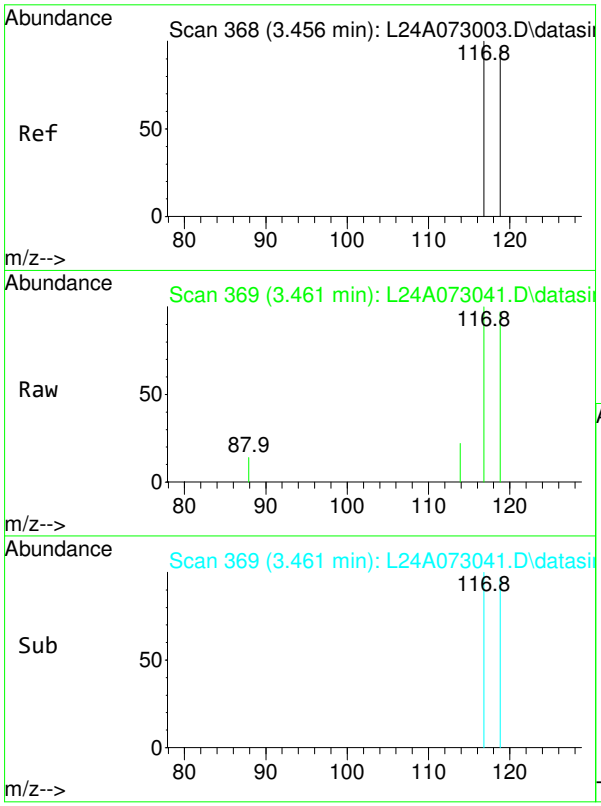


#75
CHLOROFORM (SIM)
Concen: 0.20 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 83 Resp: 7928

Ion	Ratio	Lower	Upper
83	100		
85	67.5	45.0	85.0

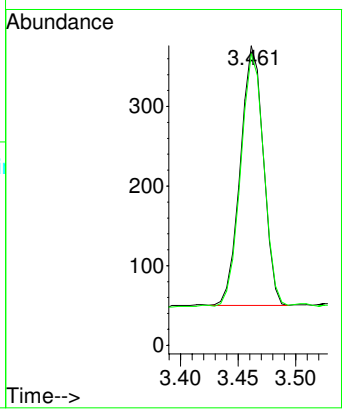


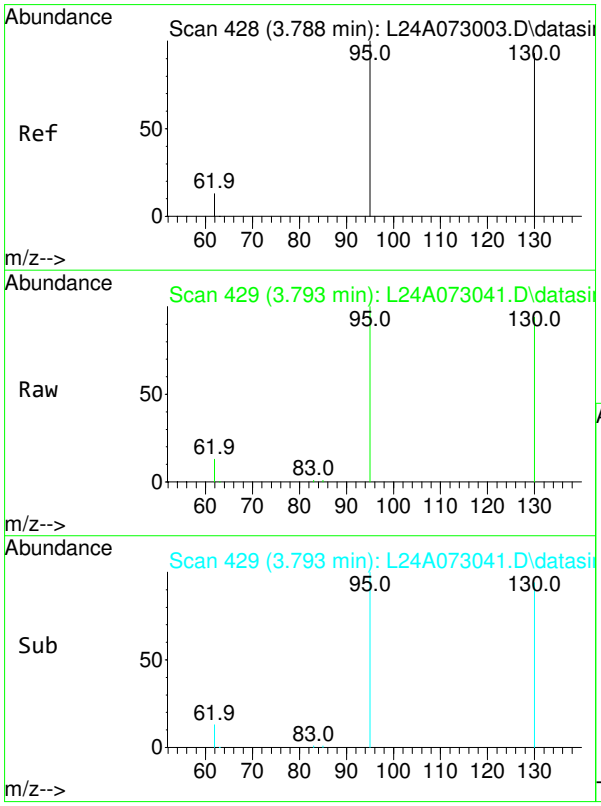


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.01 PPBV
RT: 3.461 min Scan# 369
Delta R.T. 0.000 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion:117 Resp: 450

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	116.3

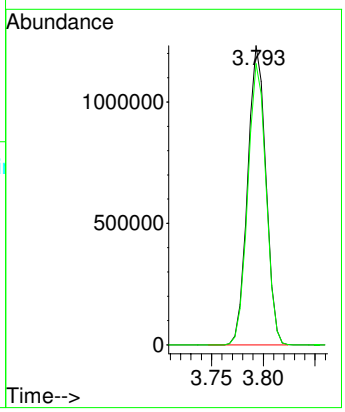




#81
TRICHLOROETHENE (SIM)
Concen: 54.59 PPBV
RT: 3.793 min Scan# 429
Delta R.T. 0.003 min
Lab File: L24A073041.D
Acq: 14 Mar 2024 06:19 am

Tgt Ion: 95 Resp: 1506072

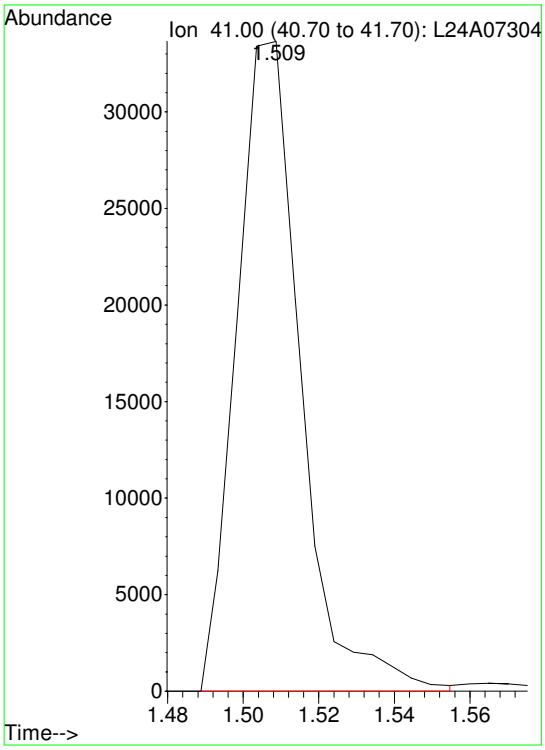
Ion	Ratio	Lower	Upper
95	100		
130	94.1	74.5	114.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

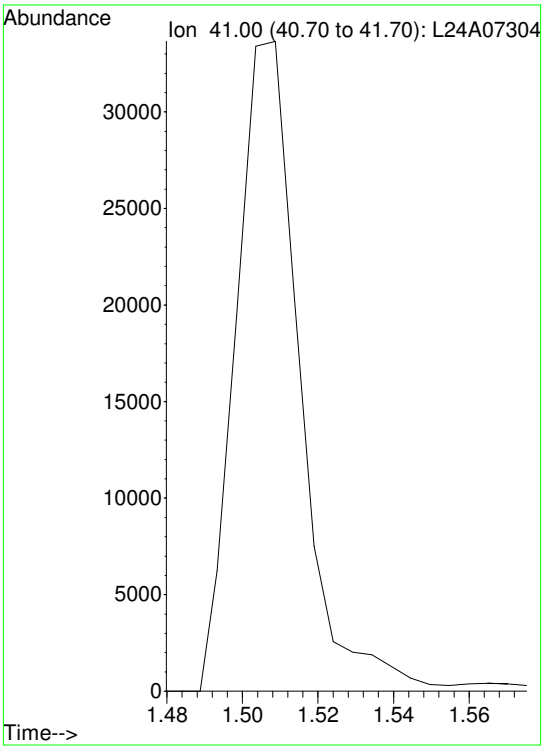
RT : 1.51
Area : 39441
Amount: 3.79227

Manual Int. Results

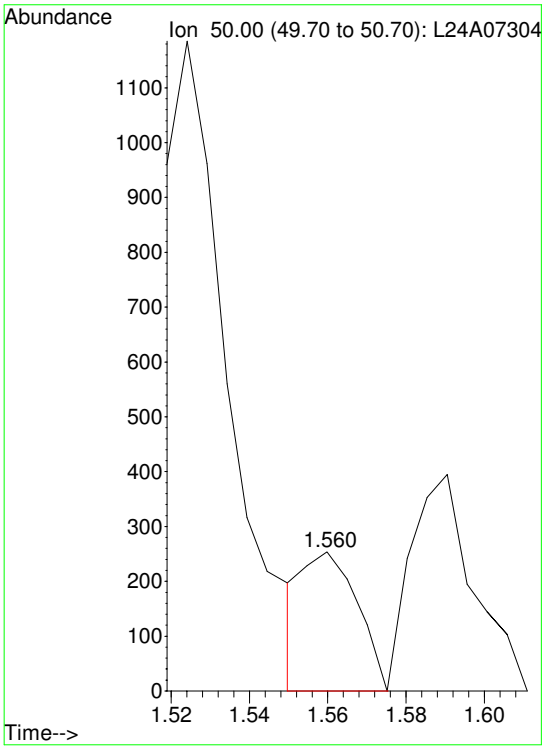
Fri Mar 15 11:29:52 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

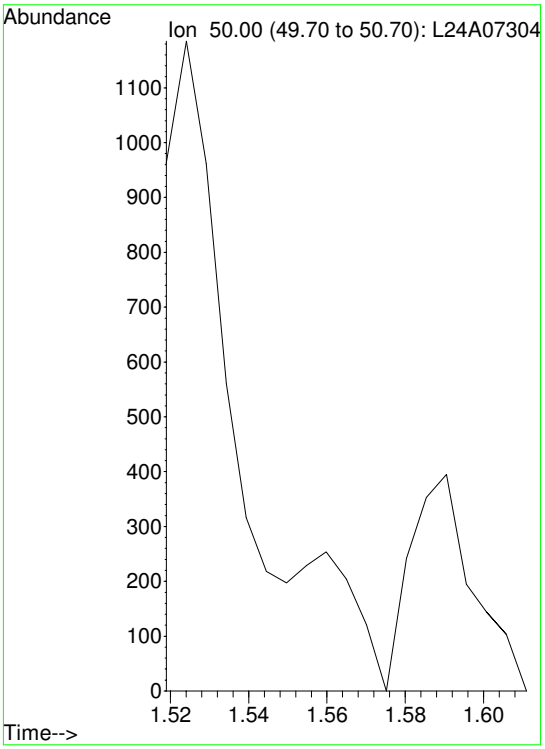
RT : 1.56
Area : 248
Amount: 0.0159266

Manual Int. Results

Fri Mar 15 11:29:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

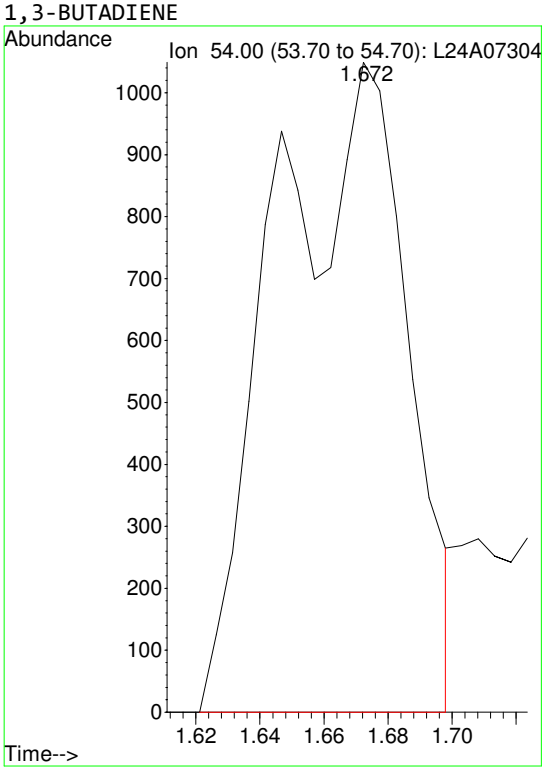
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,3-BUTADIENE



Original Int. Results

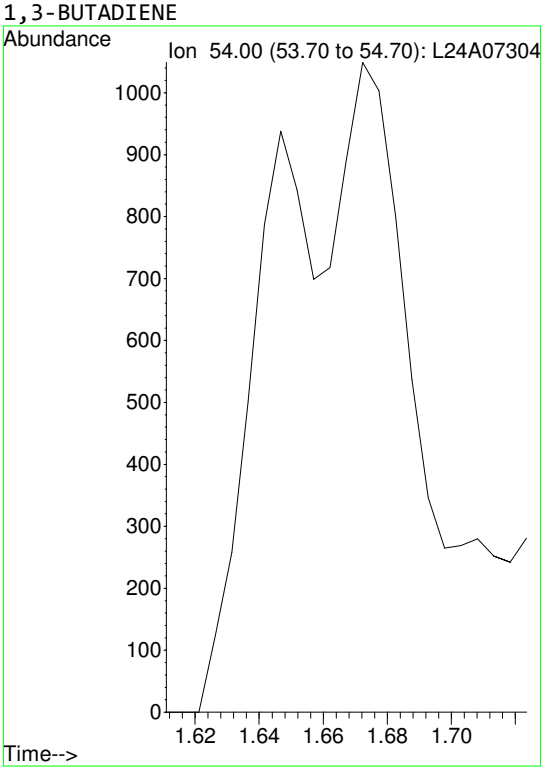
RT : 1.67
Area : 2995
Amount: 0.212928

Manual Int. Results

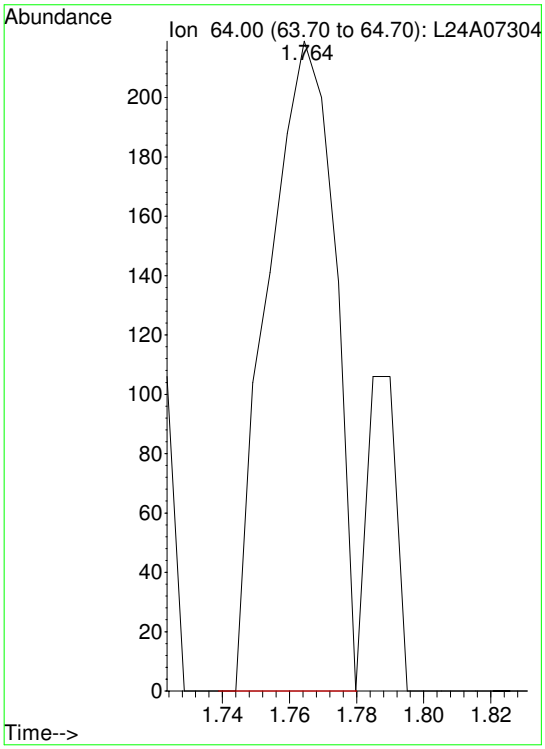
Fri Mar 15 11:30:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-BUTADIENE



Original Integration
CHLOROETHANE



Original Int. Results

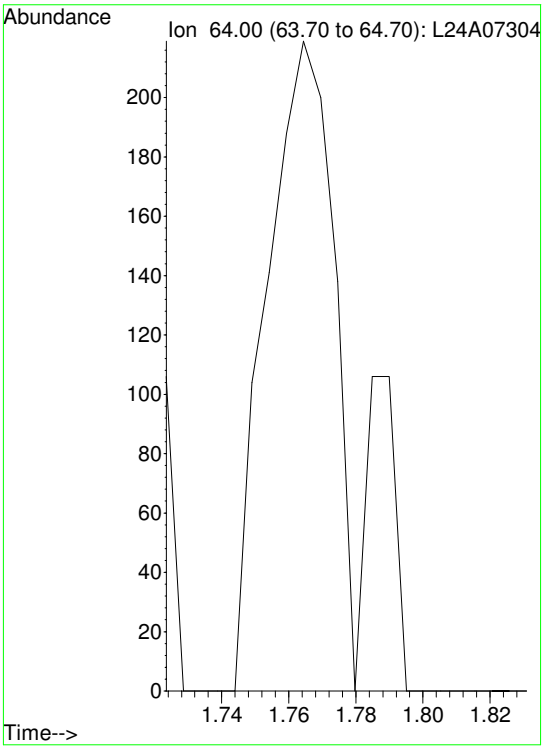
RT : 1.76
Area : 304
Amount: 0.0289297

Manual Int. Results

Fri Mar 15 11:30:07 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

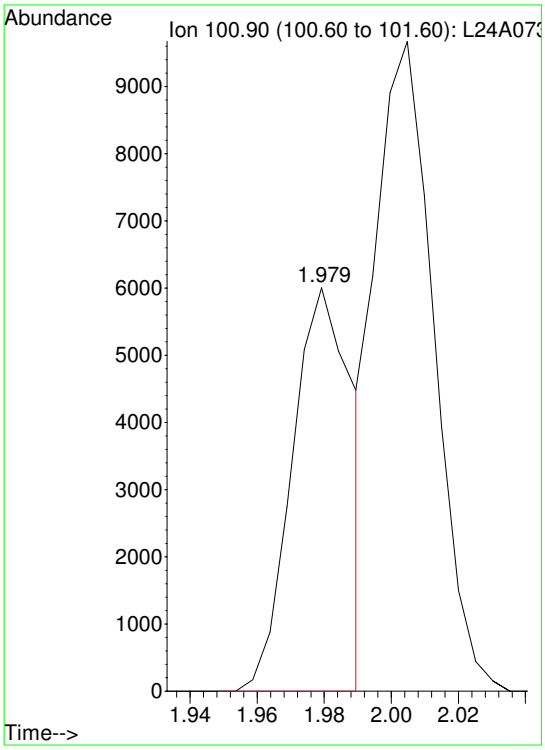
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

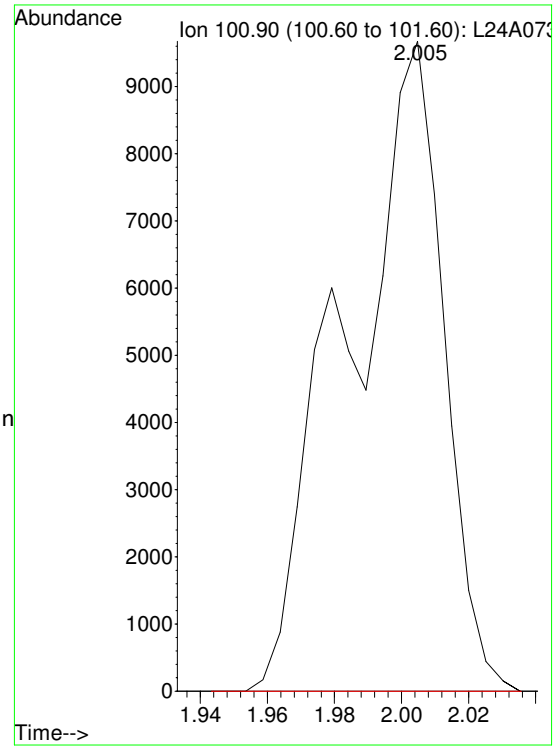
RT : 1.98
Area : 7497
Amount: 0.161696

Manual Int. Results

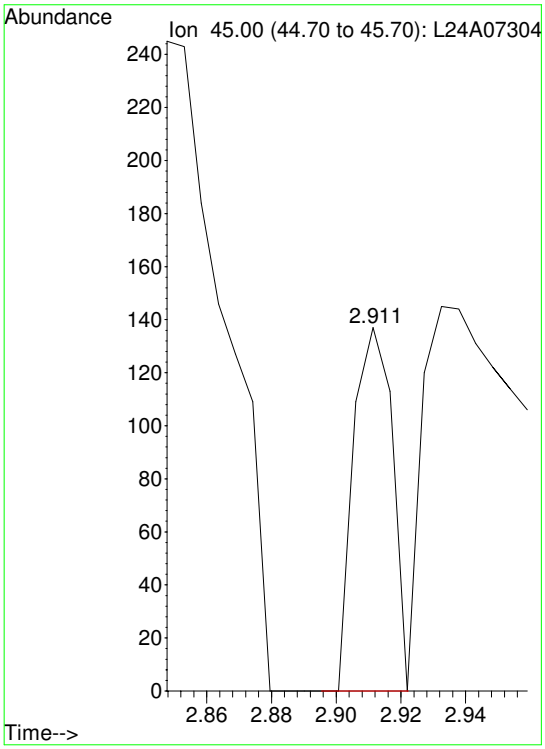
Fri Mar 15 11:30:16 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.00
Area : 19218
Amount: 0.414495

Manual Integration
TRICHLOROFLUOROMETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

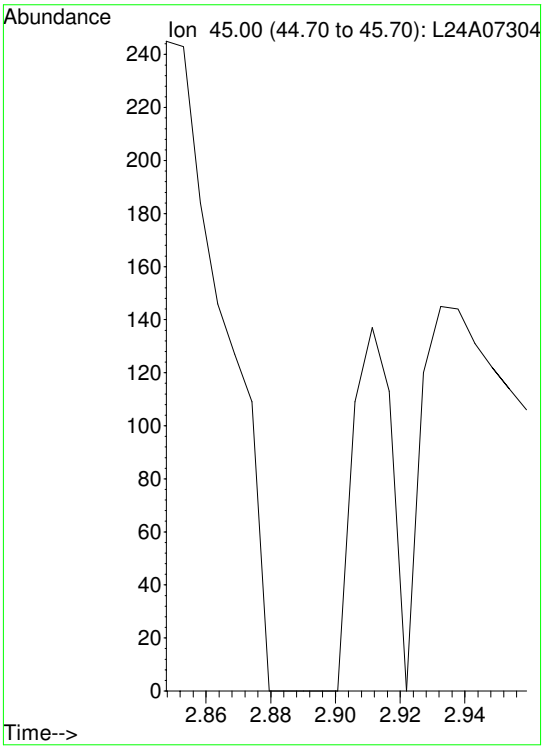
RT : 2.91
Area : 114
Amount: 0.0186888

Manual Int. Results

Fri Mar 15 11:30:46 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

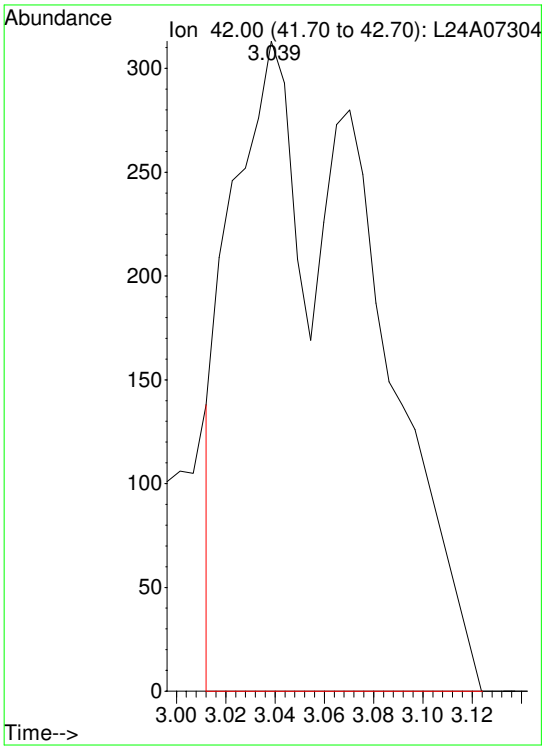
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

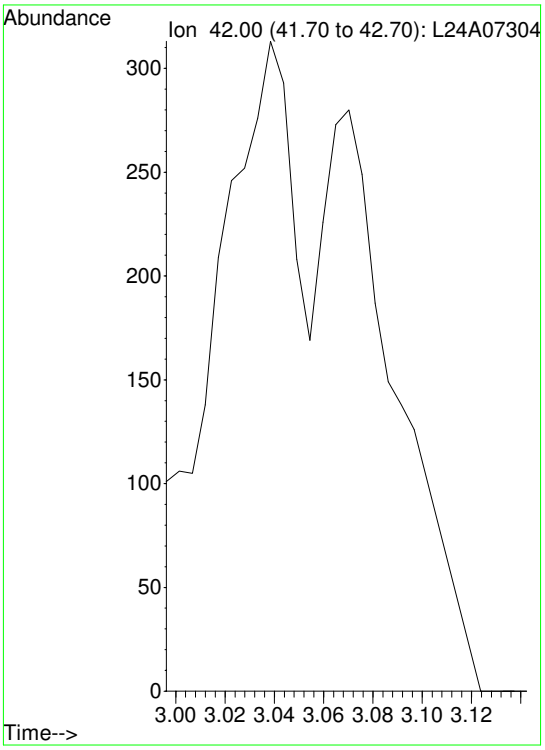
RT : 3.04
Area : 1416
Amount: 0.0608914

Manual Int. Results

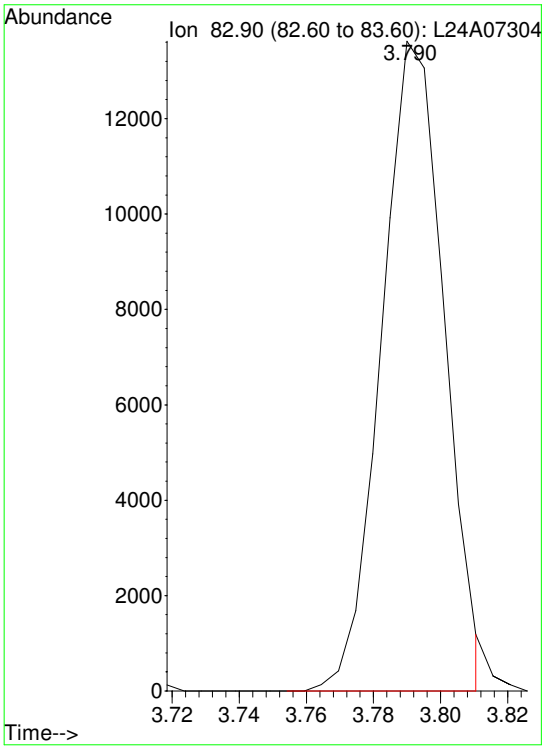
Fri Mar 15 11:30:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

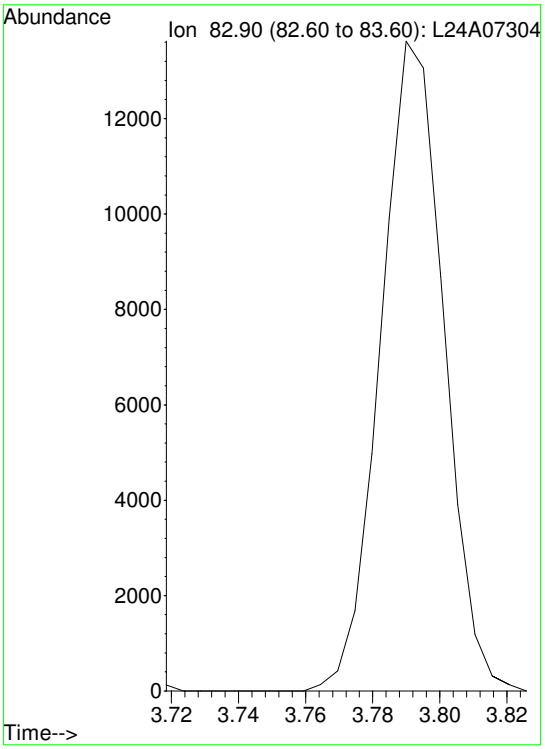
RT : 3.79
Area : 17670
Amount: 0.400369

Manual Int. Results

Fri Mar 15 11:31:02 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

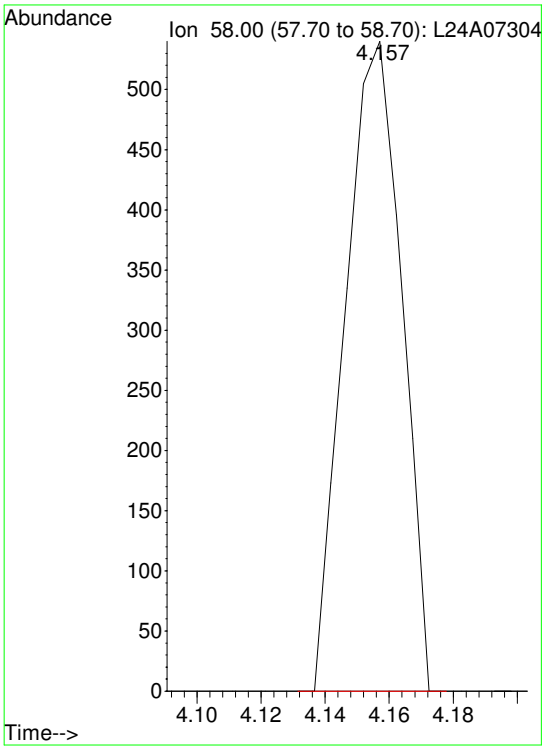
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

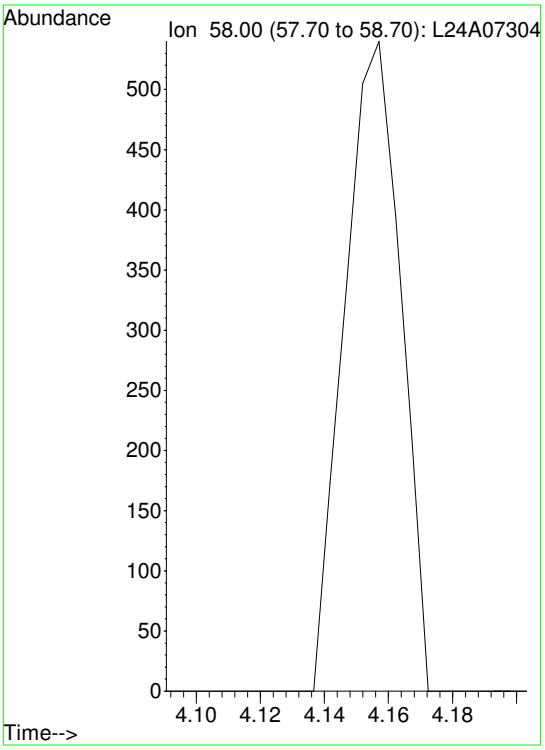
RT : 4.16
Area : 662
Amount: 0.0345862

Manual Int. Results

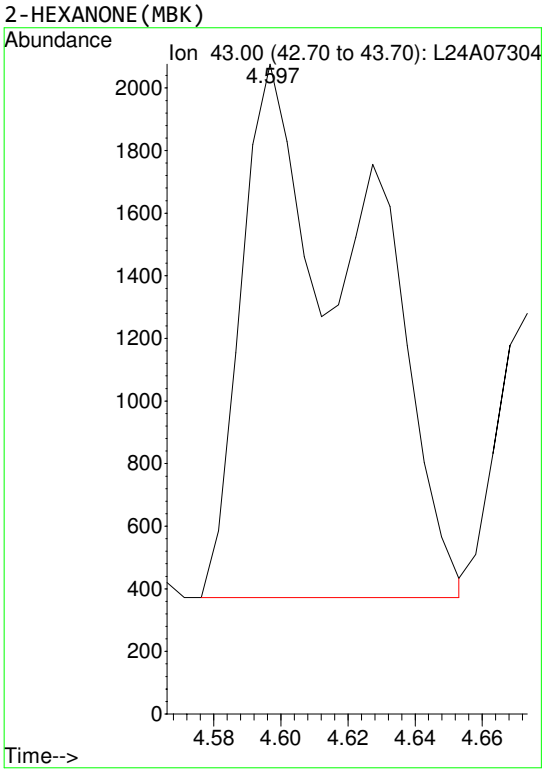
Fri Mar 15 11:31:11 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

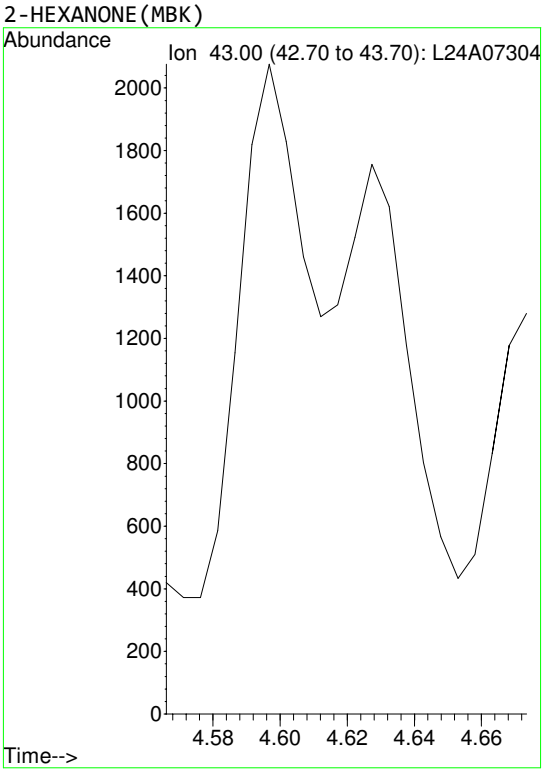
RT : 4.60
Area : 4234
Amount: 0.0969819

Manual Int. Results

Fri Mar 15 11:31:16 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

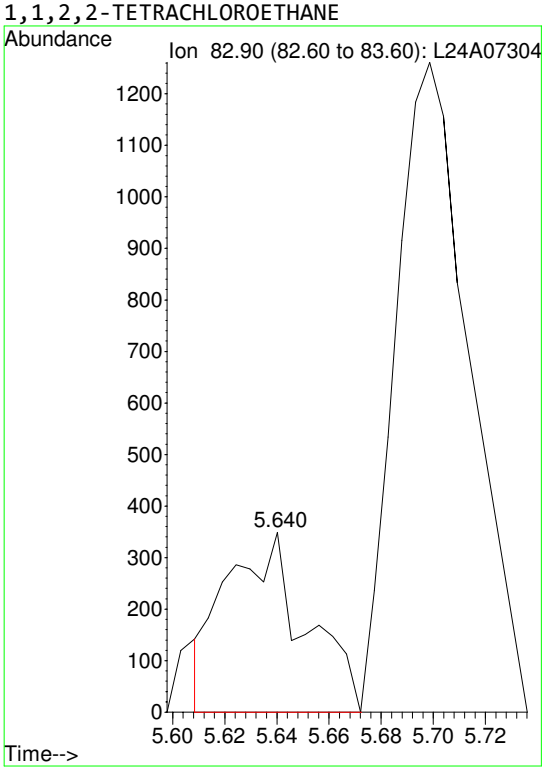
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

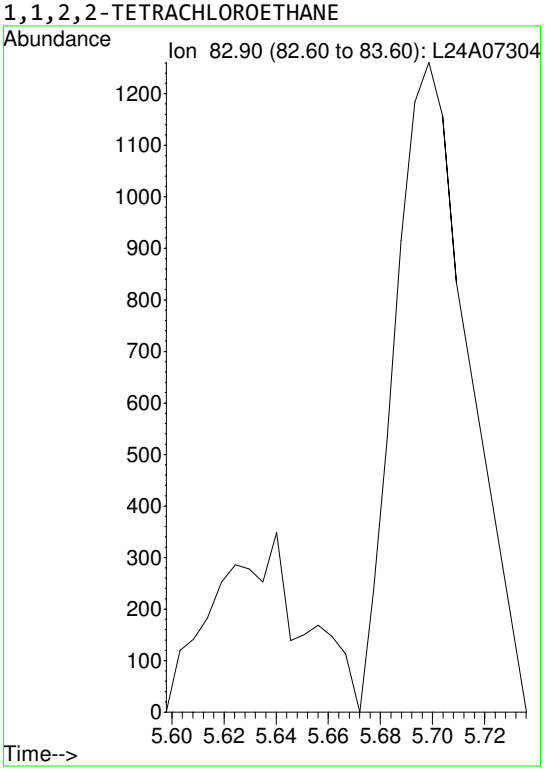
RT : 5.64
Area : 739
Amount: 0.014837

Manual Int. Results

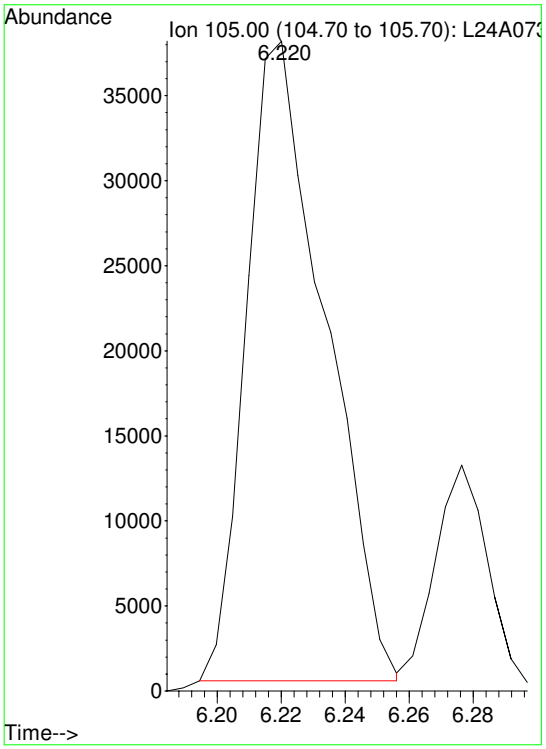
Fri Mar 15 11:31:21 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

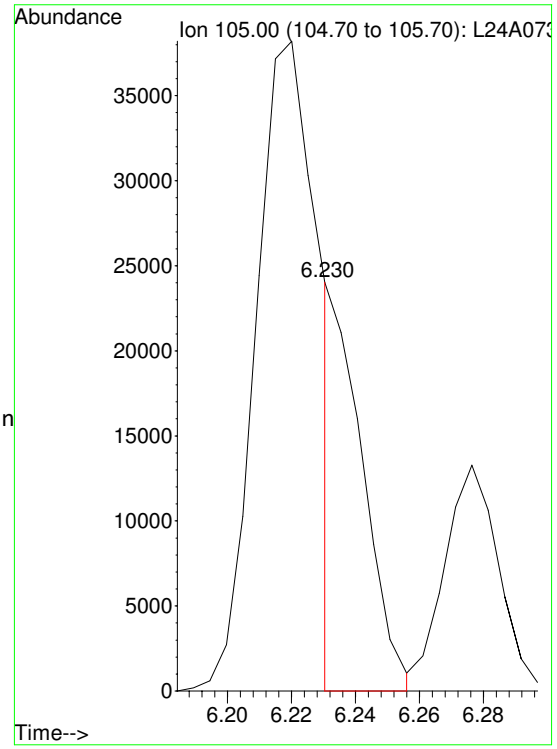
RT : 6.22
Area : 64383
Amount: 0.708811

Manual Int. Results

Fri Mar 15 11:31:29 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 15290
Amount: 0.168332

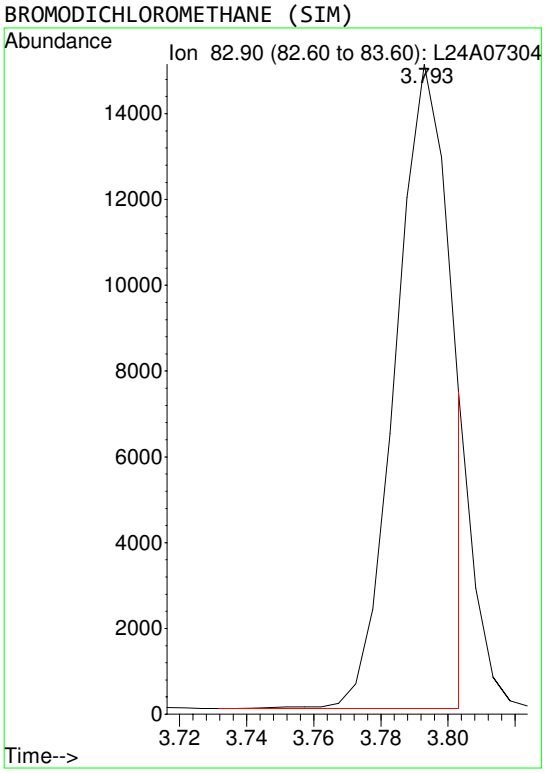
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073041.D
Acq On : 14 Mar 2024 06:19 am
Operator : CMR
Sample : 24C0251-01 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:31:53 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

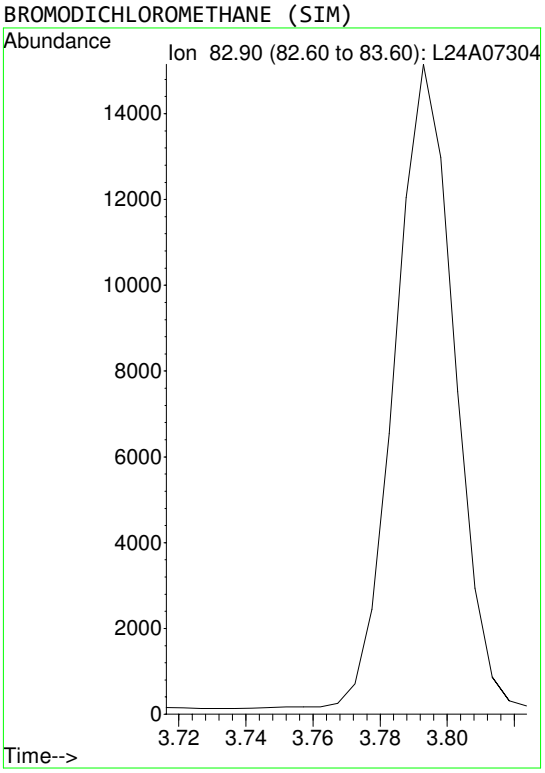
RT : 3.79
Area : 17412
Amount: 0.369743

Manual Int. Results

Fri Mar 15 11:31:52 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-01RE1	File ID:	L24A073042.D
Sampled:	02/28/24 16:18	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 06:46
Solids:		Preparation:	TO-15 Prep	Dilution:	10
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
79-01-6	Trichloroethylene	100	0.38	0.50	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073042.D Vial: 36
Acq On : 14 Mar 2024 06:46 am Operator: CMR
Sample : 24C0251-01 10X Inst : SYSL
Misc : 1.5,1,200,30,10X Multiplr: 1.00
Quant Time: Mar 14 15:39:20 2024

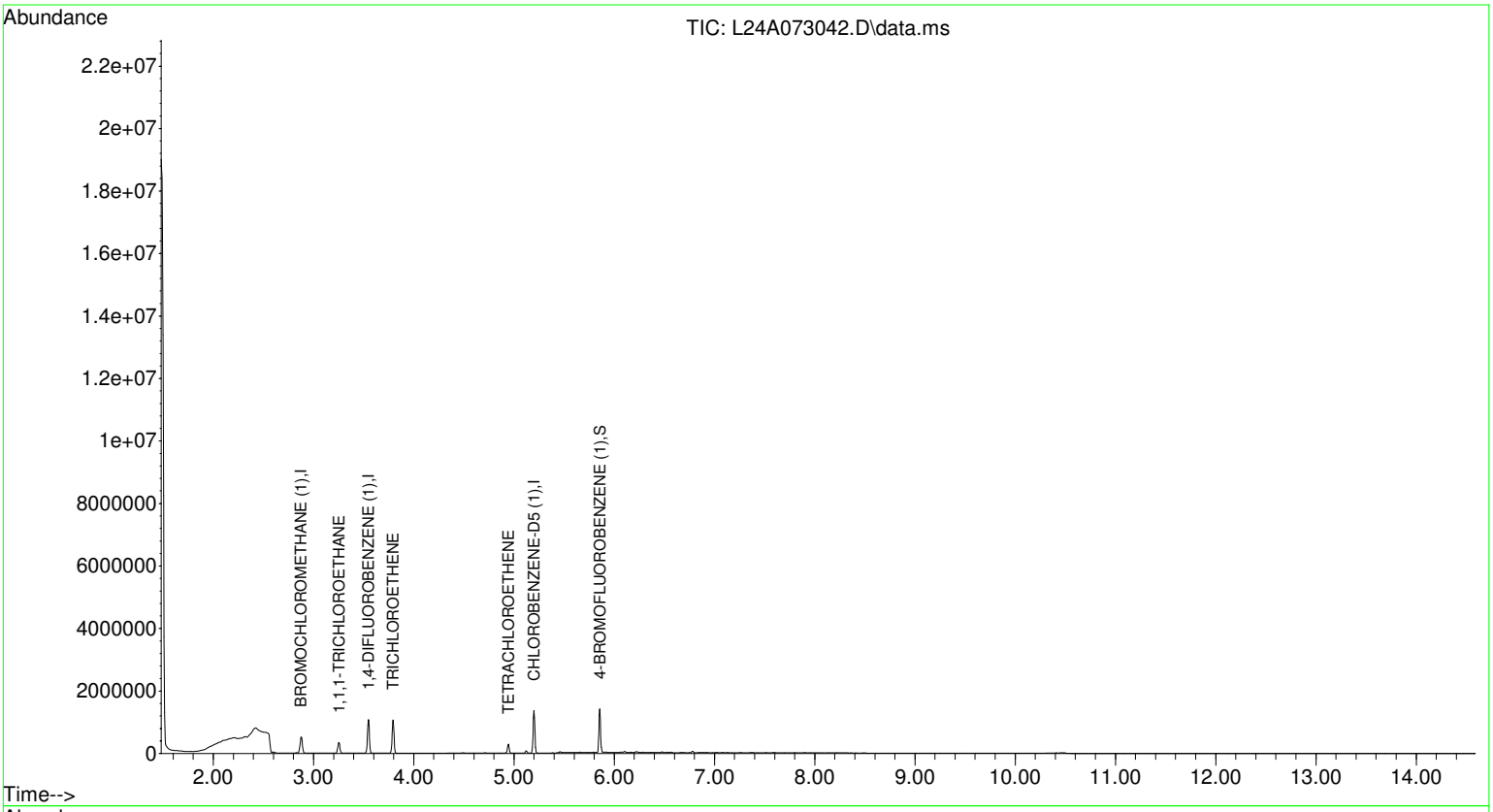
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073042.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

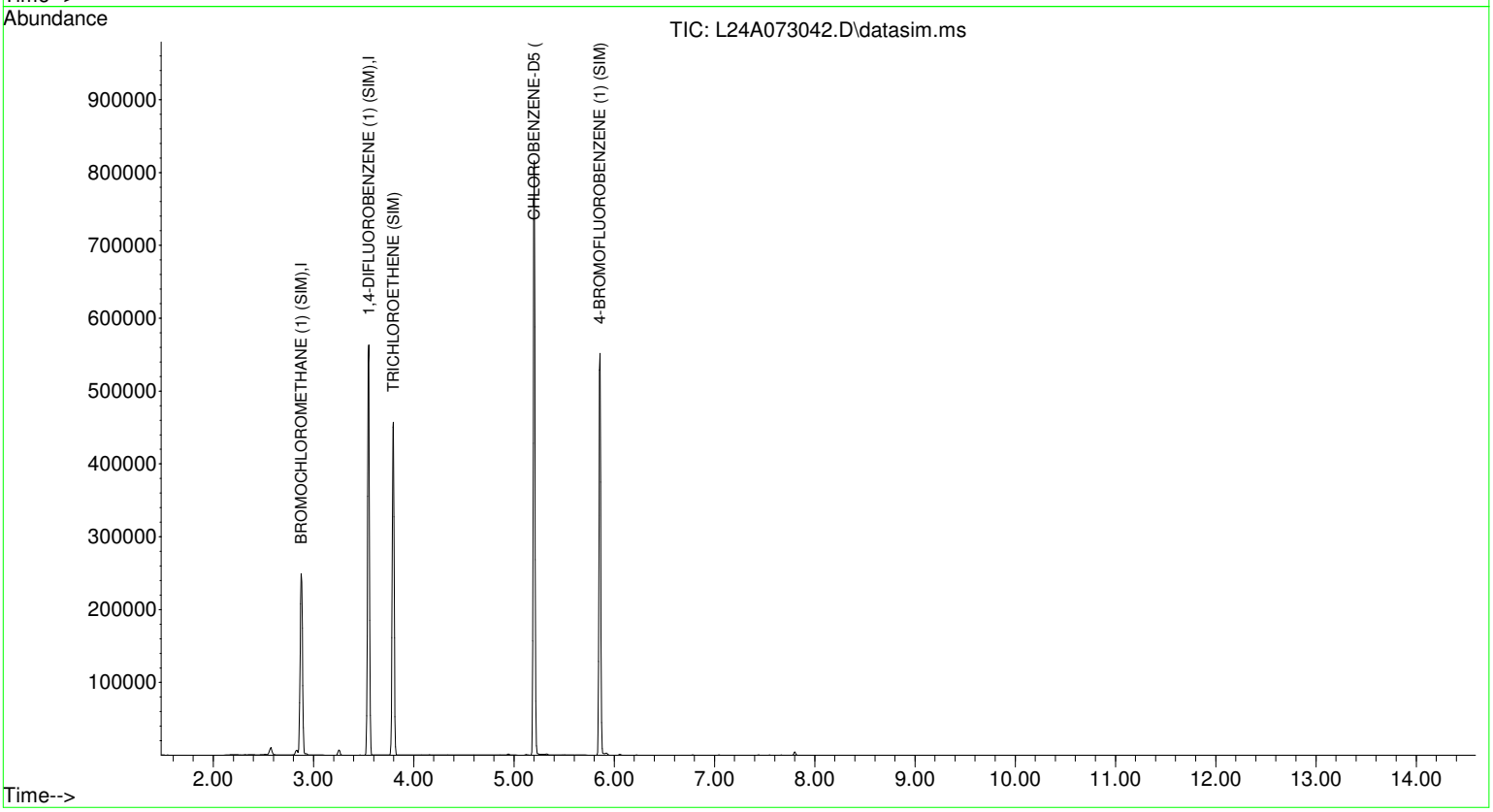
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	202504	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.548	114	620519	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.199	117	564269	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.877	49	220495	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.550	114	641519	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.202	117	621398	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	270609	6.968	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 87.13%			
87) 4-BROMOFLUOROBENZENE (...	5.858	174	283781	7.134	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 89.13%			
Target Compounds						Qvalue
31) 1,1,1-TRICHLOROETHANE	3.254	97	168602	4.282	PPBV	95
37) TRICHLOROETHENE	3.794	95	270758	10.400	PPBV	98
50) TETRACHLOROETHENE	4.943	166	57820	1.964	PPBV	99
81] TRICHLOROETHENE (SIM)	3.797	95	296131	10.977	PPBV	99

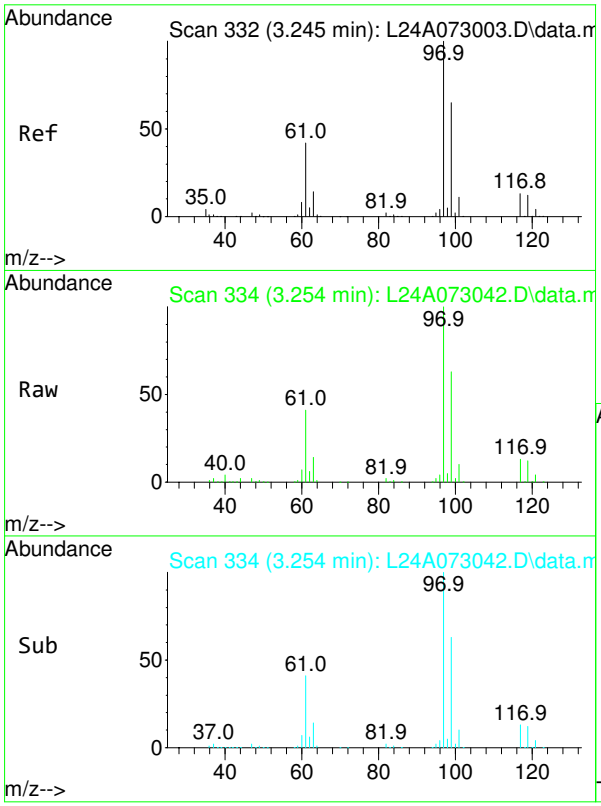
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073042.D Vial: 36
Acq On : 14 Mar 2024 06:46 am Operator: CMR
Sample : 24C0251-01 10X Inst : SYSL
Misc : 1.5,1,200,30,10X Multiplr: 1.00
Quant Time: Mar 14 15:39:20 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073042.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



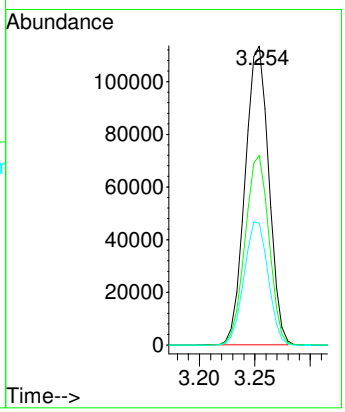


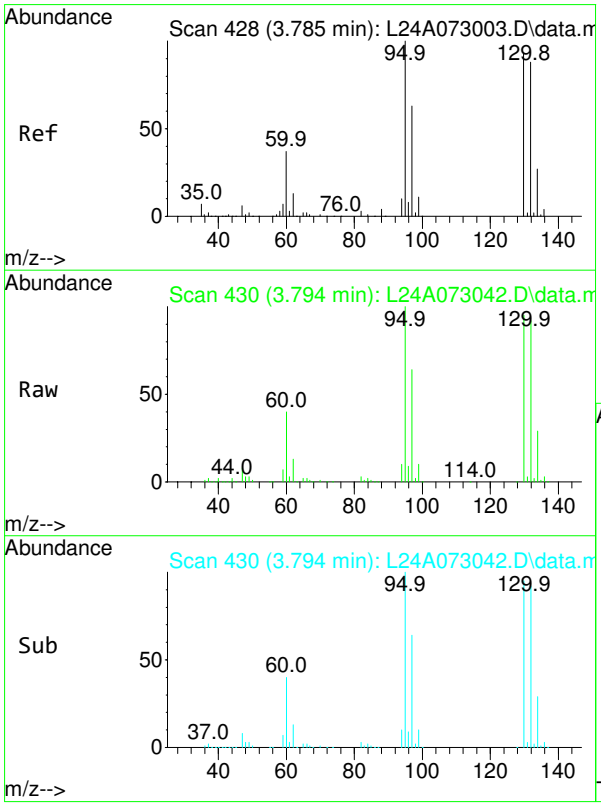


#31
1,1,1-TRICHLOROETHANE
Concen: 4.28 PPBV
RT: 3.254 min Scan# 334
Delta R.T. 0.009 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion: 97 Resp: 168602

Ion	Ratio	Lower	Upper
97	100		
99	64.1	45.3	85.3
61	42.0	28.1	68.1

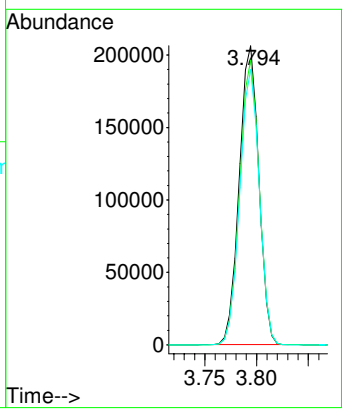


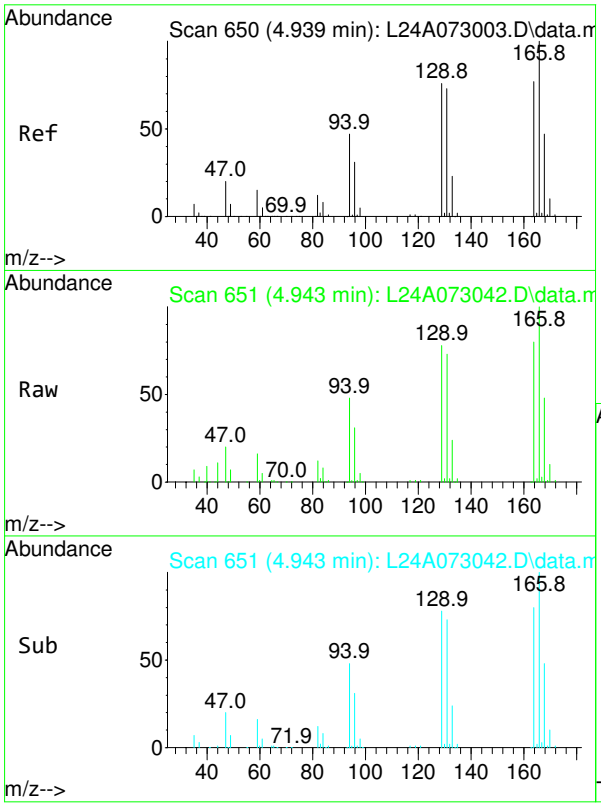


#37
TRICHLOROETHENE
Concen: 10.40 PPBV
RT: 3.794 min Scan# 430
Delta R.T. 0.006 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion: 95 Resp: 270758

Ion	Ratio	Lower	Upper
95	100		
130	95.1	76.0	116.0
132	91.8	74.7	114.7

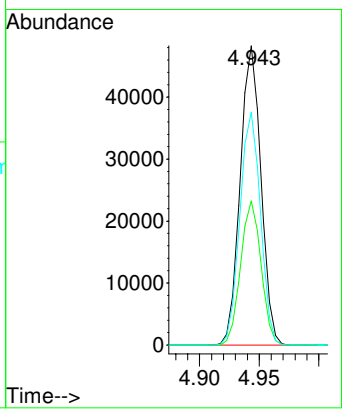


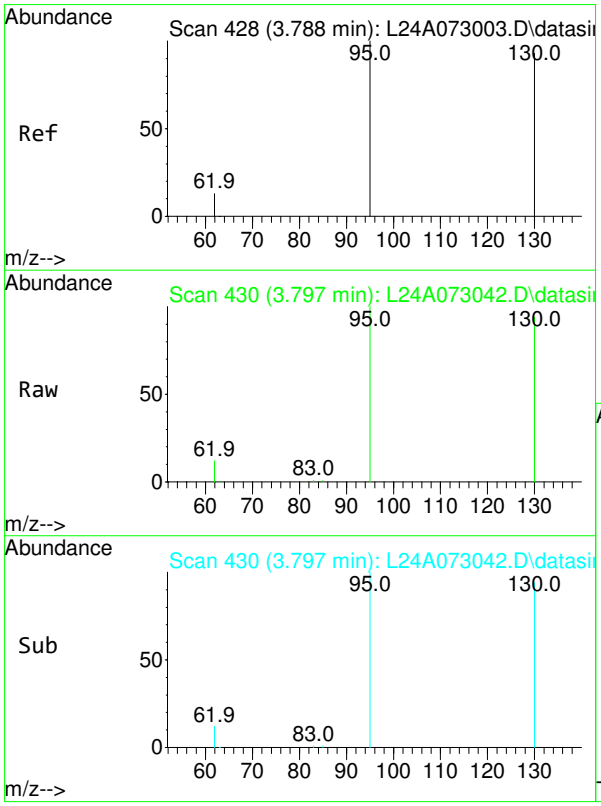


#50
TETRACHLOROETHENE
Concen: 1.96 PPBV
RT: 4.943 min Scan# 651
Delta R.T. -0.003 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion:166 Resp: 57820

Ion	Ratio	Lower	Upper
166	100		
168	47.4	28.8	68.8
129	77.2	56.6	96.6

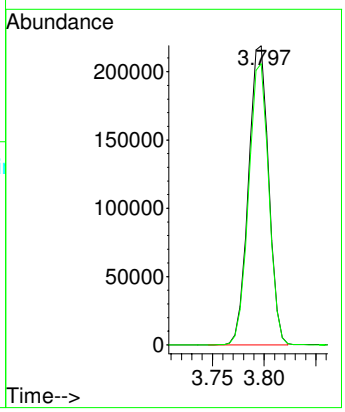




#81
TRICHLOROETHENE (SIM)
Concen: 10.98 PPBV
RT: 3.797 min Scan# 430
Delta R.T. 0.007 min
Lab File: L24A073042.D
Acq: 14 Mar 2024 06:46 am

Tgt Ion: 95 Resp: 296131

Ion	Ratio	Lower	Upper
95	100		
130	93.6	74.5	114.5



1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-02	File ID:	L24A073040.D
Sampled:	02/28/24 16:23	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:51
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	8.6	2.0	4.0	
71-43-2	Benzene	0.29	0.031	0.10	
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)	2.2	2.0	4.0	J
75-15-0	Carbon Disulfide	0.32	0.19	1.0	J
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	0.15	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane	0.096	0.078	0.10	J
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene	0.13	0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.45	0.042	0.10	
75-34-3	1,1-Dichloroethane	0.090	0.049	0.10	J
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-02	File ID:	L24A073040.D
Sampled:	02/28/24 16:23	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:51
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	70	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene	0.27	0.034	0.10	
622-96-8	4-Ethyltoluene	0.18	0.043	0.10	
142-82-5	Heptane	0.25	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol	7.2	2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene	0.17	0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene	0.090	0.077	0.10	J
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.23	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	1.5	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	2.7	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene	2.5	0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.29	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.064	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene	1.3	0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene	0.24	0.077	0.10	
108-05-4	Vinyl Acetate	0.71	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

CVS-SV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Soil Gas	Laboratory ID:	24C0251-02	File ID:	L24A073040.D
Sampled:	02/28/24 16:23	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:51
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene	0.96	0.070	0.20	
95-47-6	o-Xylene	0.43	0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073040.D Vial: 35
Acq On : 14 Mar 2024 05:51 am Operator: CMR
Sample : 24C0251-02 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:16 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073040.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	205775	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.542	114	608703	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	570925	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	222538	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.545	114	633969	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	625913	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	280773	7.145	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 89.25%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	294939	7.361	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	10344	0.227	PPBV	96
10) ACROLEIN	1.907	56	3198	0.392	PPBV	91
11) ACETONE	1.943	43	124757	4.322	PPBV	70
12) TRICHLOROFLUOROMETHANE	1.999	101	6706	0.144	PPBV	98
13) ETHANOL	1.810	45	155383	34.870	PPBV	96
15) METHYLENE CHLORIDE	2.217	49	1121	0.050	PPBV	98
16) FREON 113	2.307	101	1178	0.032	PPBV	99
17) CARBON DISULFIDE	2.307	76	8391	0.158	PPBV	95
19) 1,1-DICHLOROETHANE	2.561	63	1597	0.045	PPBV	72
21) IPA	2.015	45	109048	3.591	PPBV	96
22) 2-BUTANONE(MEK)	2.694	43	39294	1.106	PPBV	88
24) VINYL ACETATE	2.604	43	13425	0.357	PPBV	81
25) HEXANE	2.901	41	2831	0.148	PPBV #	76
26) ETHYL ACETATE	2.911	45	1154	0.188	PPBV #	60
27) CHLOROFORM	2.917	83	2694	0.073	PPBV	94
28) TETRAHYDROFURAN	3.065	42	2442	0.104	PPBV #	48
31) 1,1,1-TRICHLOROETHANE	3.249	97	52515	1.360	PPBV	98
32) BENZENE	3.405	78	7946	0.144	PPBV	94
33) CARBON TETRACHLORIDE	3.458	117	1065	0.027	PPBV	96
34) CYCLOHEXANE	3.505	84	1111	0.048	PPBV	94
37) TRICHLOROETHENE	3.790	95	32104	1.257	PPBV	98
39) METHYLMETHACRYLATE	3.887	69	695	0.036	PPBV #	41
40) HEPTANE	3.923	57	2195	0.126	PPBV	87
46) TOLUENE	4.489	91	50764	0.758	PPBV	100
50) TETRACHLOROETHENE	4.939	166	3390	0.114	PPBV	97
52) ETHYLBENZENE	5.386	91	11239	0.134	PPBV	93
53) M/P-XYLENE	5.460	91	33279	0.480	PPBV	96
55) STYRENE	5.614	104	2135	0.045	PPBV	91
56) O-XYLENE	5.656	91	14665	0.215	PPBV	93
59) 4-ETHYLTOLUENE	6.230	105	8156m	0.092	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	8961	0.119	PPBV	95
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	46037	0.632	PPBV	98
62) 1,3-DICHLOROBENZENE	6.531	146	2800	0.063	PPBV #	1
67) NAPHTHALENE	7.799	128	5914	0.087	PPBV	92
73] 1,1-DICHLOROETHANE (SIM)	2.564	63	1716	0.045	PPBV	98
75] CHLOROFORM (SIM)	2.919	83	2991	0.076	PPBV	98
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	315	0.012	PPBV #	48
78] CARBON TETRACHLORIDE (...	3.461	117	1042	0.025	PPBV	98
81] TRICHLOROETHENE (SIM)	3.793	95	34899	1.309	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073040.D Vial: 35
Acq On : 14 Mar 2024 05:51 am Operator: CMR
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Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:16 2024

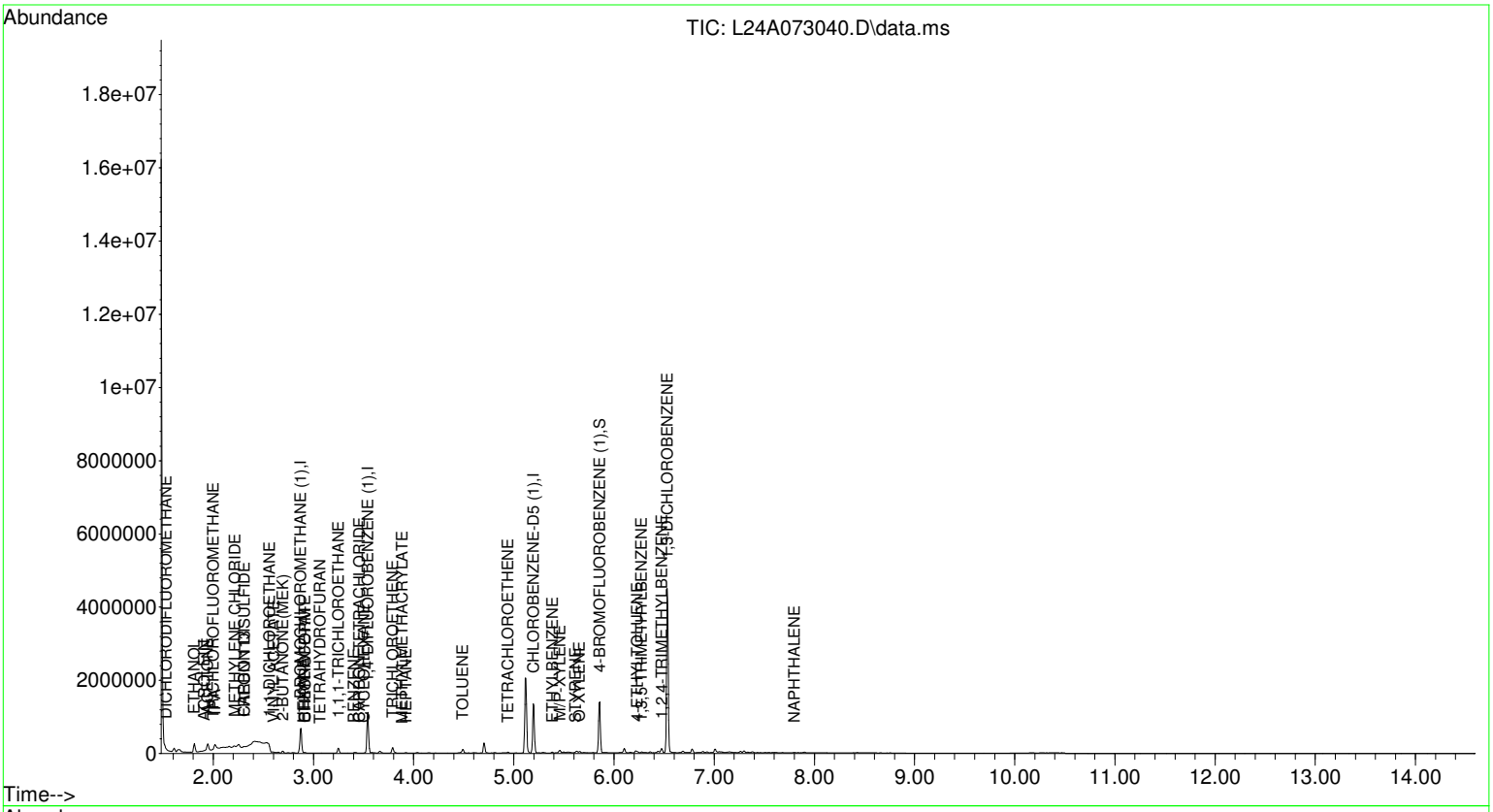
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QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
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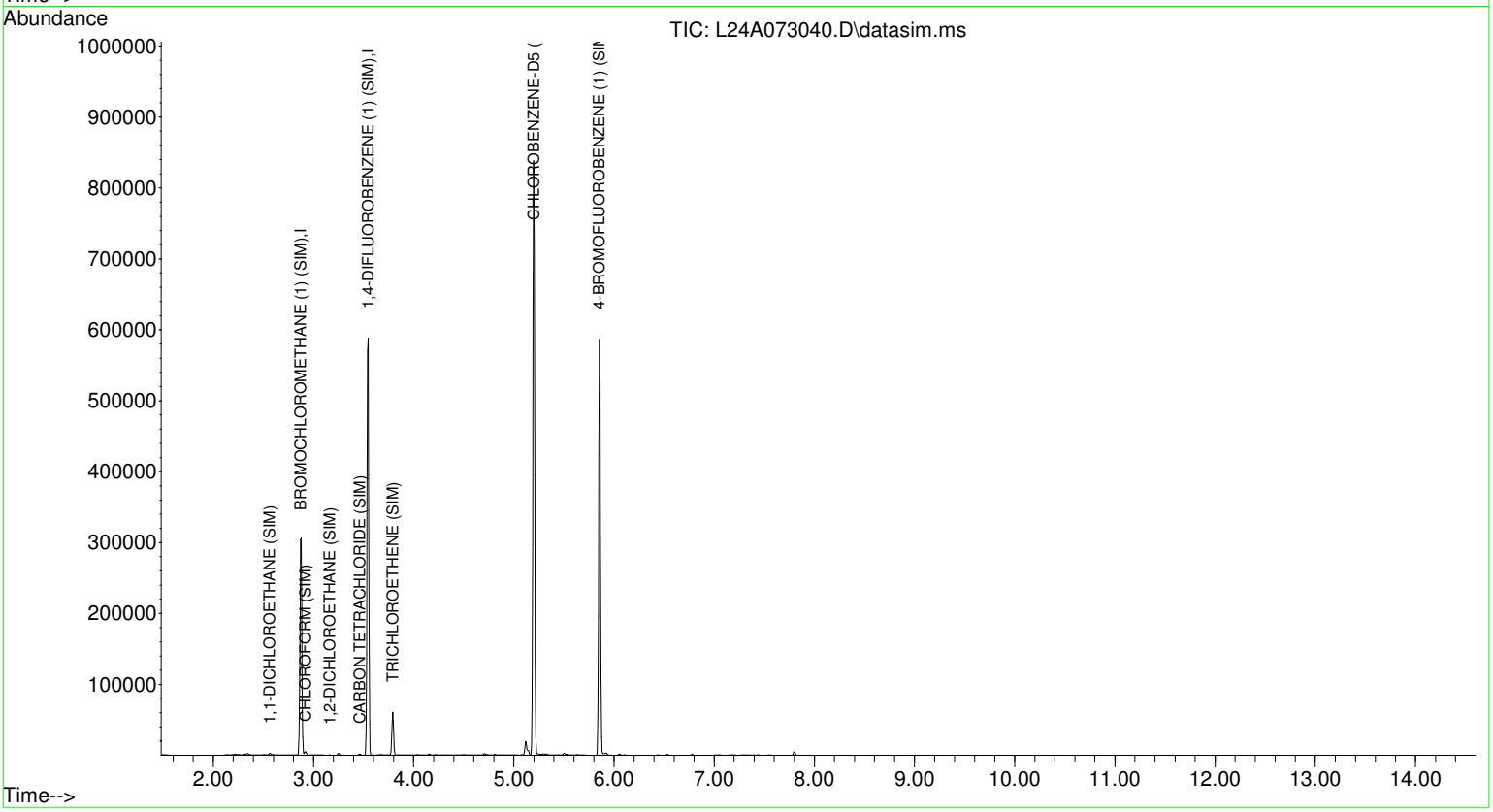
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

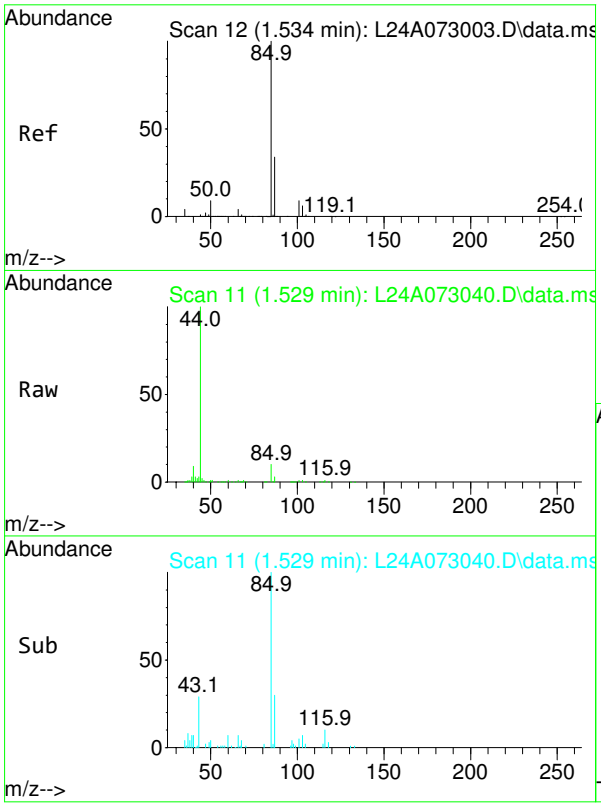
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



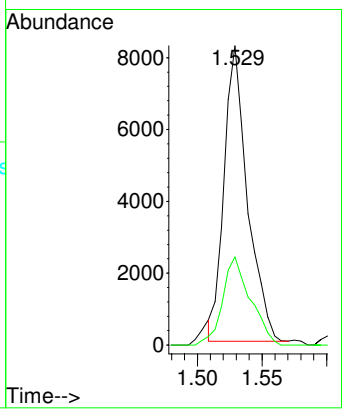


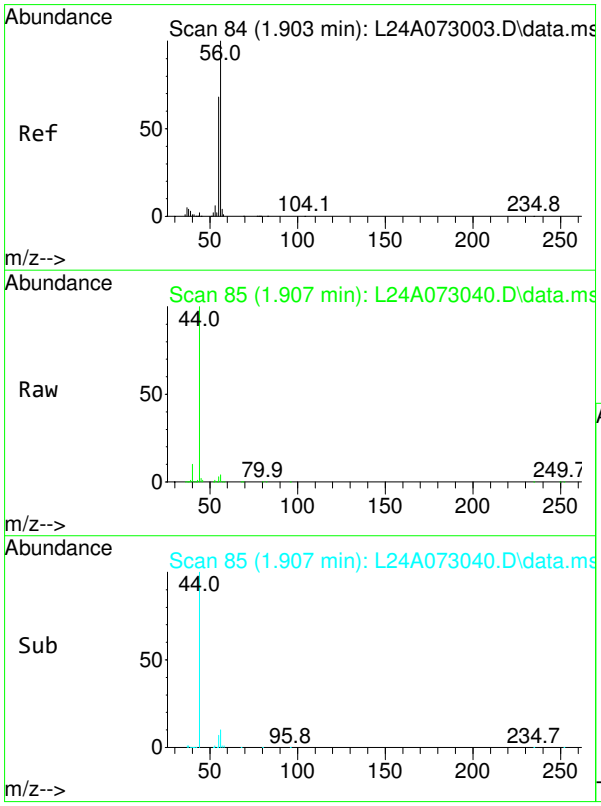


#3
DICHLORODIFLUOROMETHANE
Concen: 0.23 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 85 Resp: 10344

Ion	Ratio	Lower	Upper
85	100		
87	34.4	12.0	52.0

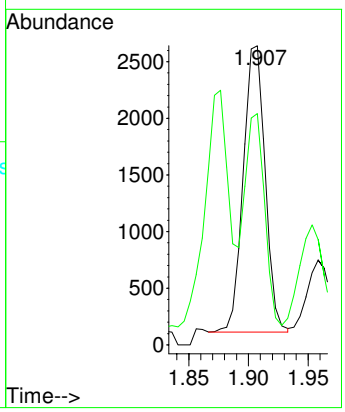


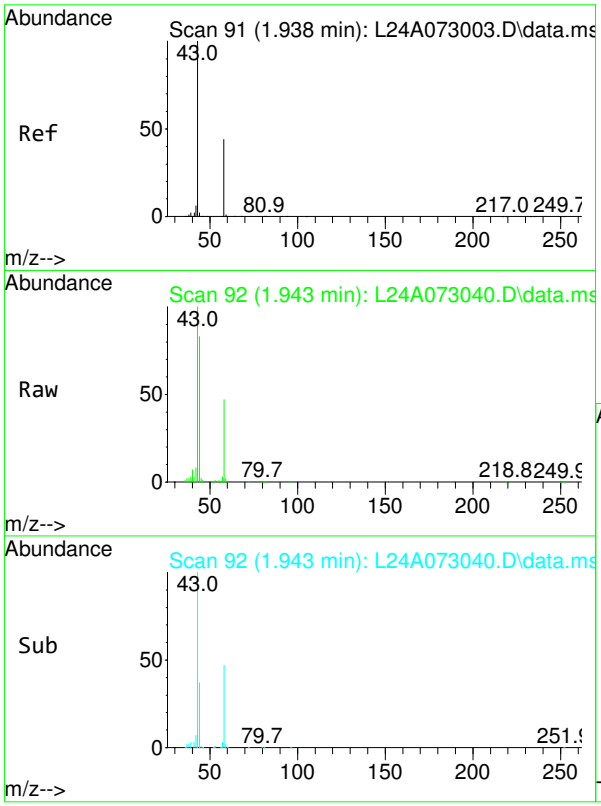


#10
ACROLEIN
Concen: 0.39 PPBV
RT: 1.907 min Scan# 85
Delta R.T. 0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 56 Resp: 3198

Ion	Ratio	Lower	Upper
56	100		
55	64.3	51.4	91.4

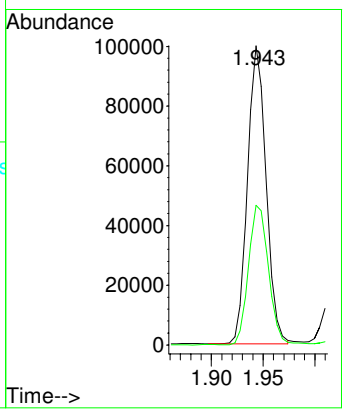


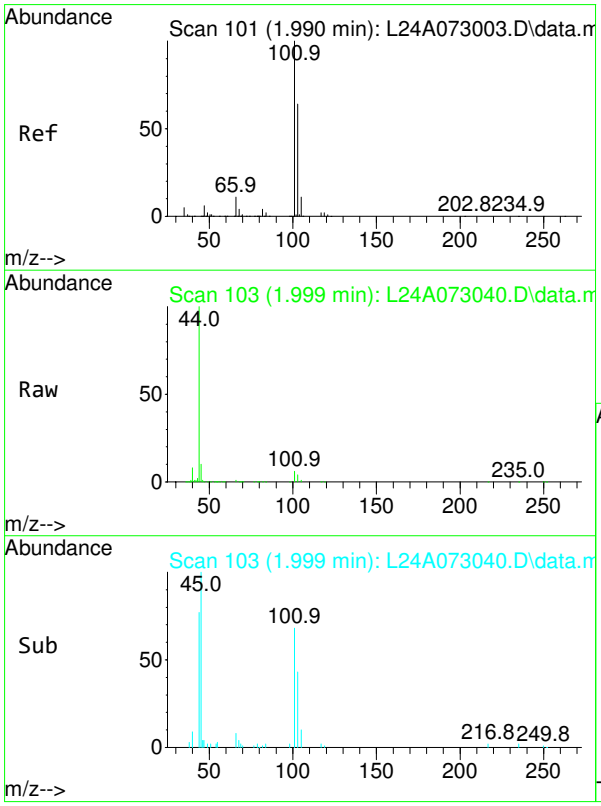


#11
ACETONE
Concen: 4.32 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 43 Resp: 124757

Ion	Ratio	Lower	Upper
43	100		
58	50.1	13.1	53.1

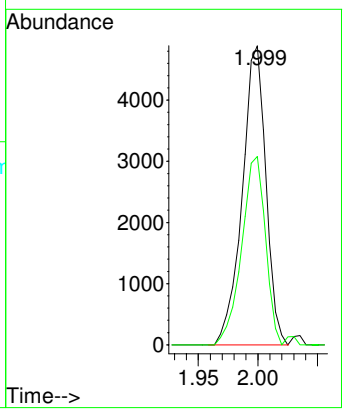


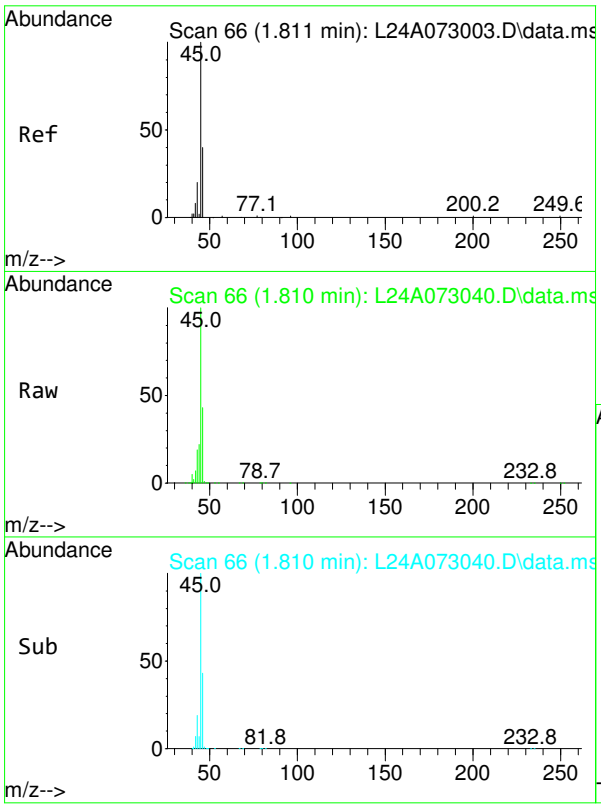


#12
TRICHLOROFLUOROMETHANE
Concen: 0.14 PPBV
RT: 1.999 min Scan# 103
Delta R.T. 0.012 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:101 Resp: 6706

Ion	Ratio	Lower	Upper
101	100		
103	63.3	44.7	84.7

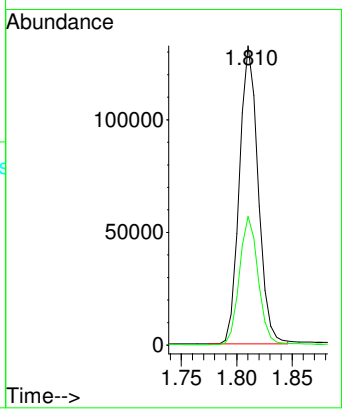


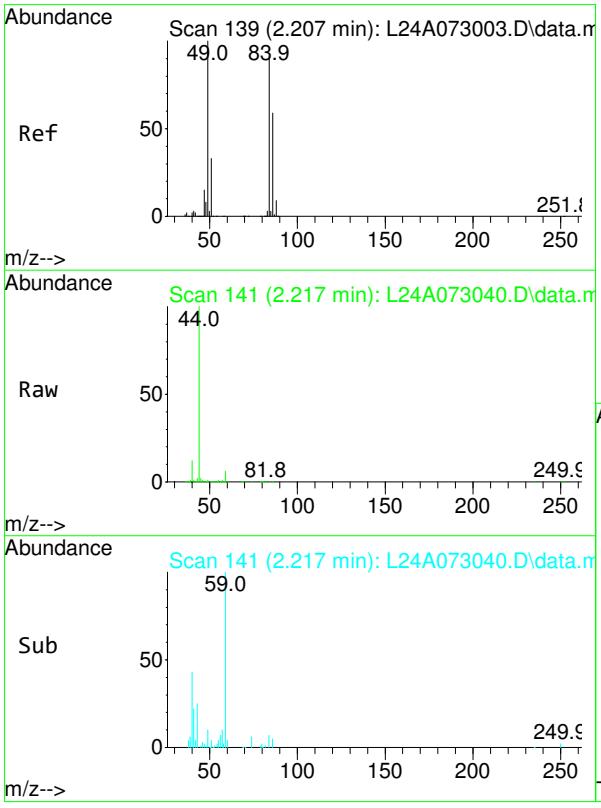


#13
ETHANOL
Concen: 34.87 PPBV
RT: 1.810 min Scan# 66
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 45 Resp: 155383

Ion	Ratio	Lower	Upper
45	100		
46	43.1	20.5	60.5

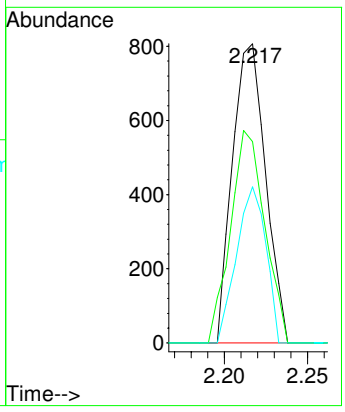


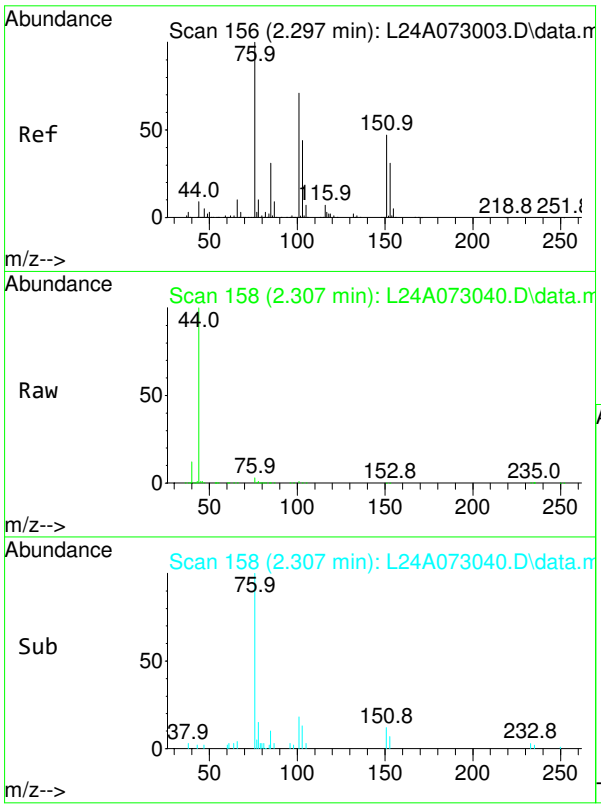


#15
METHYLENE CHLORIDE
Concen: 0.05 PPBV
RT: 2.217 min Scan# 141
Delta R.T. 0.009 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 49 Resp: 1121

Ion	Ratio	Lower	Upper
49	100		
84	73.3	52.0	92.0
86	46.2	27.3	67.3

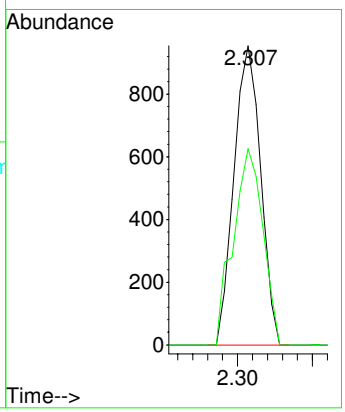


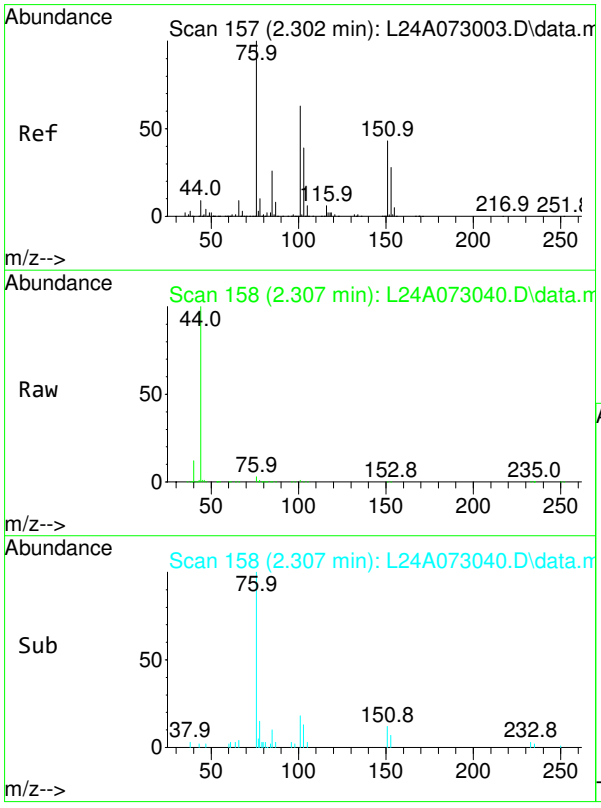


#16
FREON 113
Concen: 0.03 PPBV
RT: 2.307 min Scan# 158
Delta R.T. 0.006 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:101 Resp: 1178

Ion	Ratio	Lower	Upper
101	100		
151	73.0	52.3	92.3

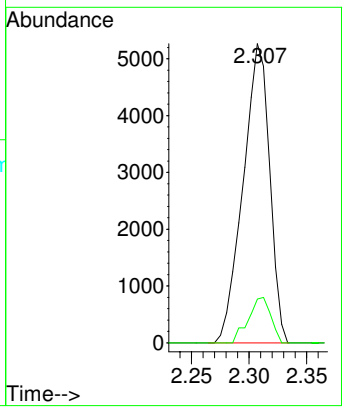


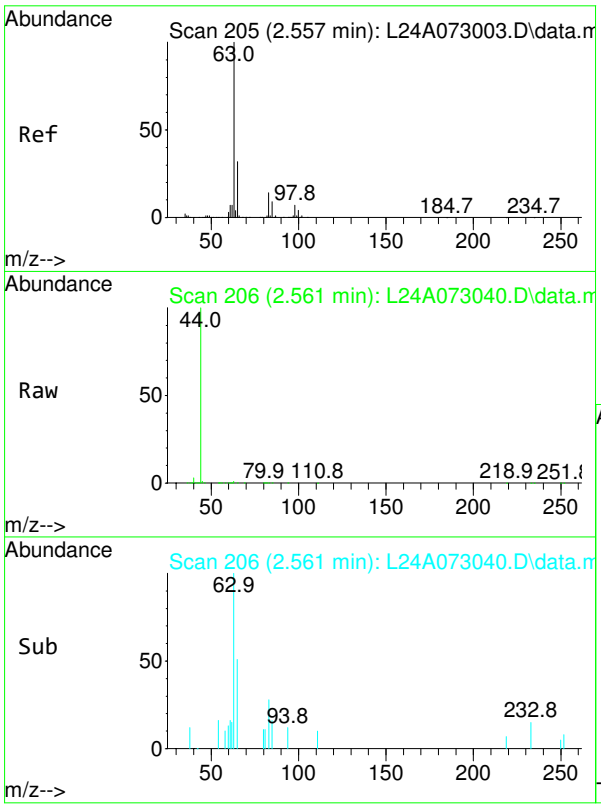


#17
CARBON DISULFIDE
Concen: 0.16 PPBV
RT: 2.307 min Scan# 158
Delta R.T. 0.006 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 76 Resp: 8391

Ion	Ratio	Lower	Upper
76	100		
78	12.8	0.0	31.1

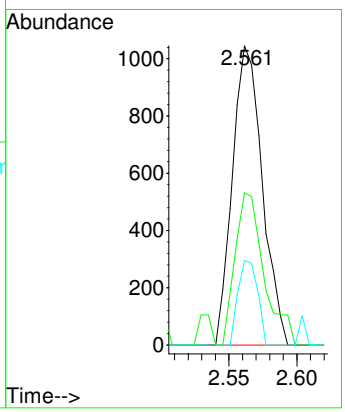


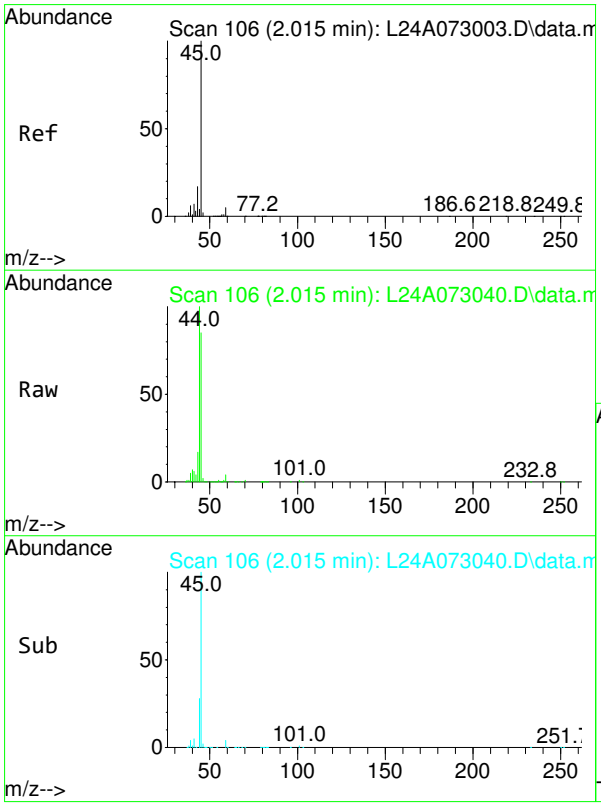


#19
1,1-DICHLOROETHANE
Concen: 0.04 PPBV
RT: 2.561 min Scan# 206
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 63 Resp: 1597

Ion	Ratio	Lower	Upper
63	100		
65	49.3	10.7	50.7
83	18.5	0.0	32.7

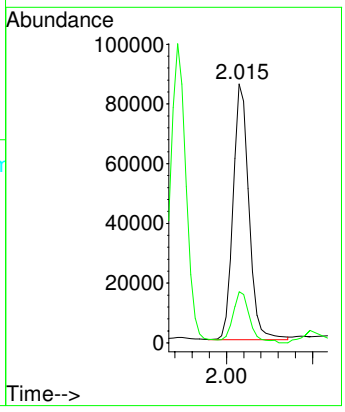


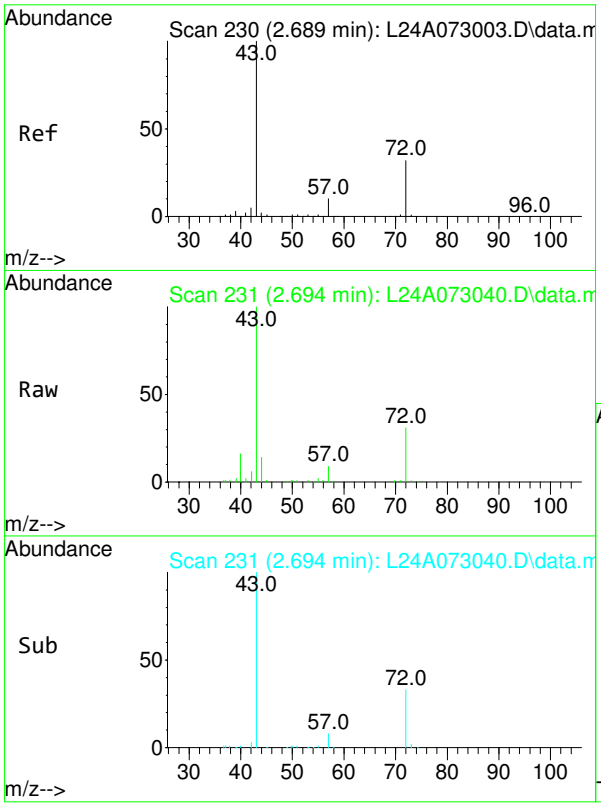


#21
IPA
Concen: 3.59 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 45 Resp: 109048

Ion	Ratio	Lower	Upper
45	100		
43	21.3	0.0	39.3

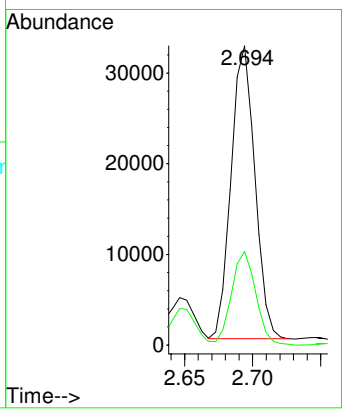


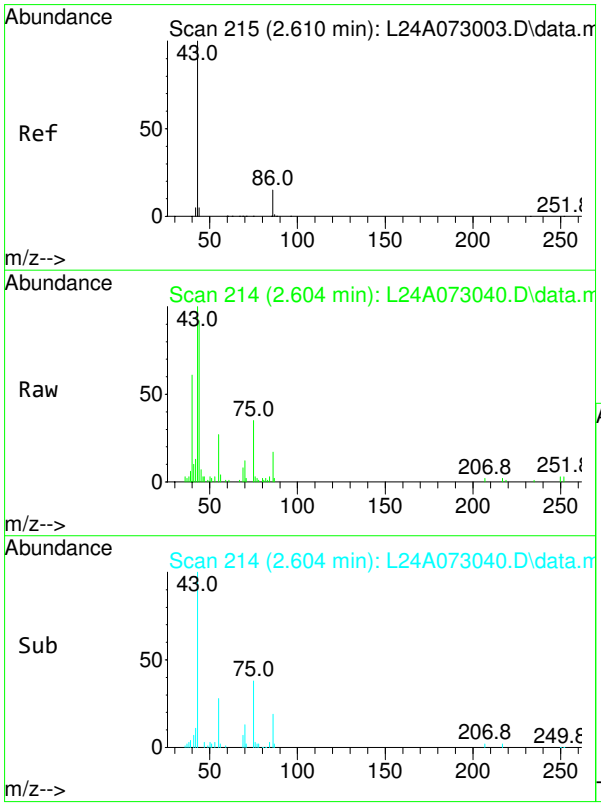


#22
2-BUTANONE(MEK)
Concen: 1.11 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 43 Resp: 39294

Ion	Ratio	Lower	Upper
43	100		
72	31.6	5.6	45.6

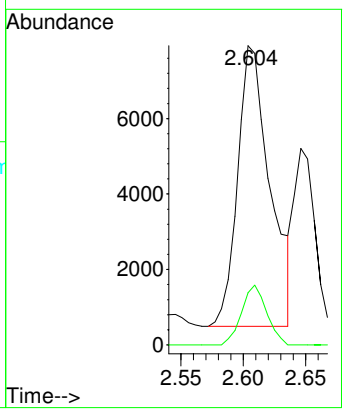


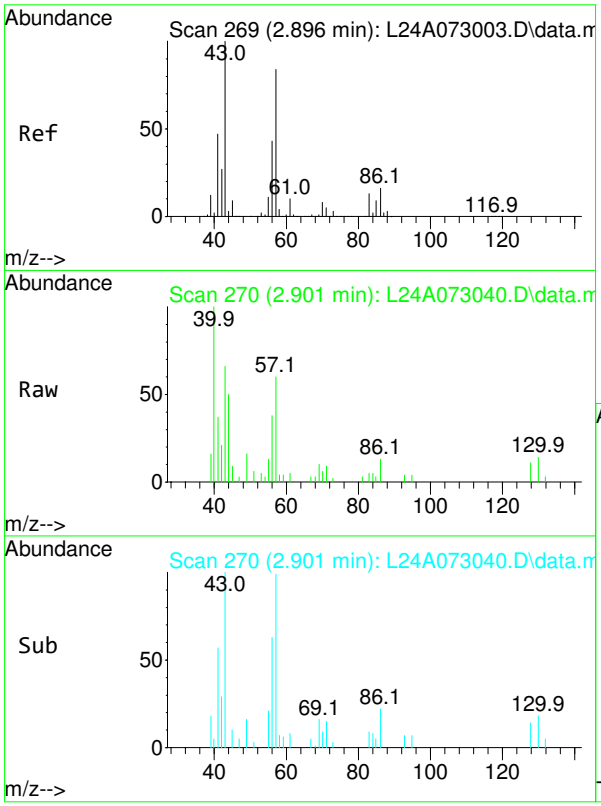


#24
VINYL ACETATE
Concen: 0.36 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 43 Resp: 13425

Ion	Ratio	Lower	Upper
43	100		
86	16.5	0.0	19.5

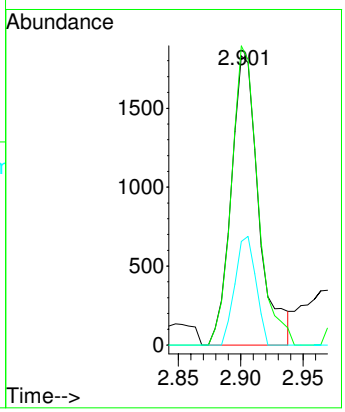


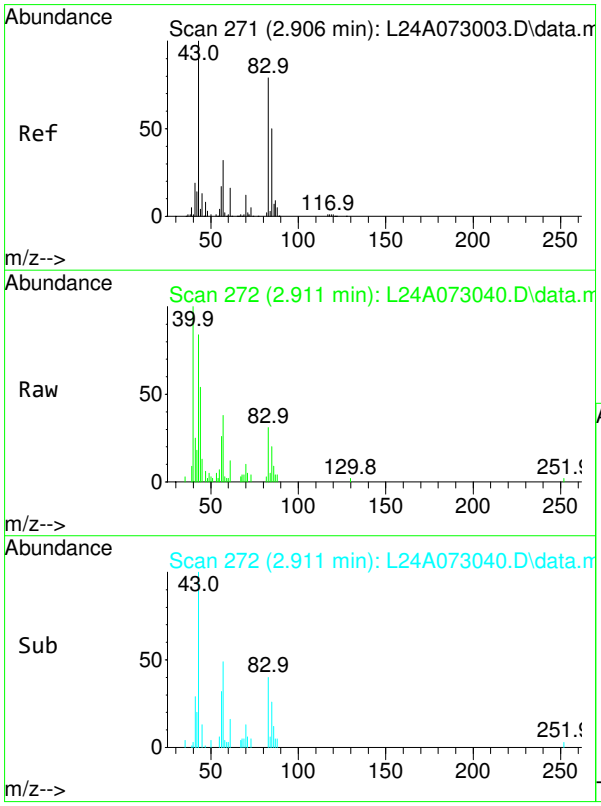


#25
HEXANE
Concen: 0.15 PPBV
RT: 2.901 min Scan# 270
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 41 Resp: 2831

Ion	Ratio	Lower	Upper
41	100		
56	98.6	52.3	92.3#
86	28.5	16.1	36.1

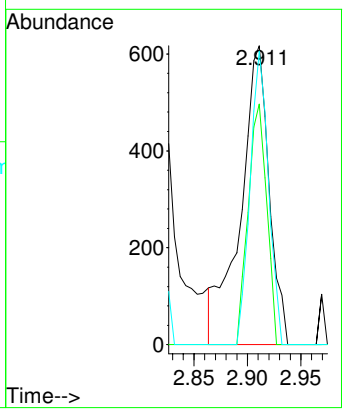


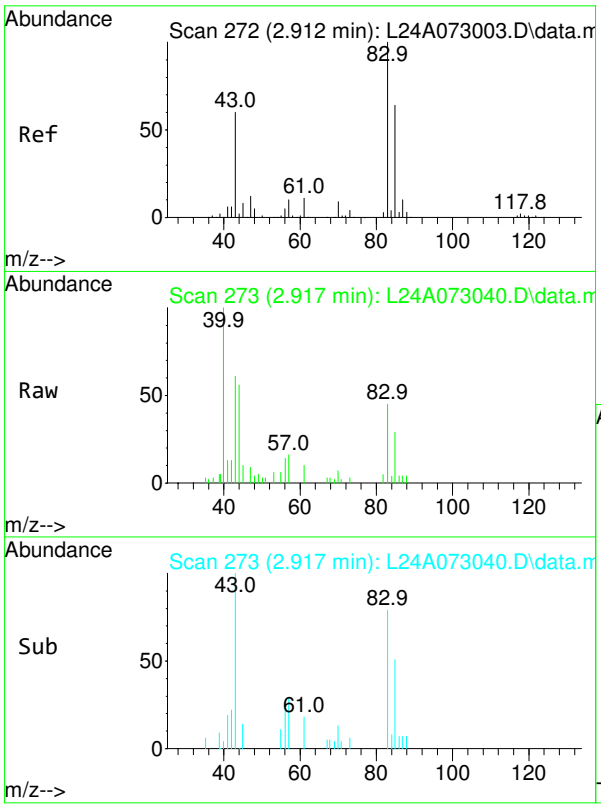


#26
ETHYL ACETATE
Concen: 0.19 PPBV
RT: 2.911 min Scan# 272
Delta R.T. 0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 45 Resp: 1154

Ion	Ratio	Lower	Upper
45	100		
70	51.8	68.8	108.8#
61	62.8	83.3	123.3#

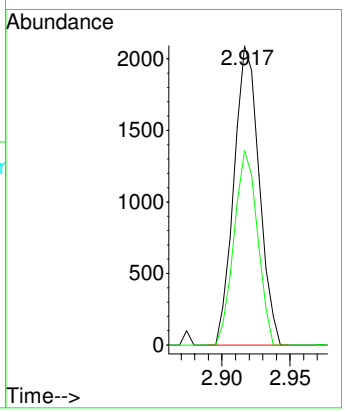


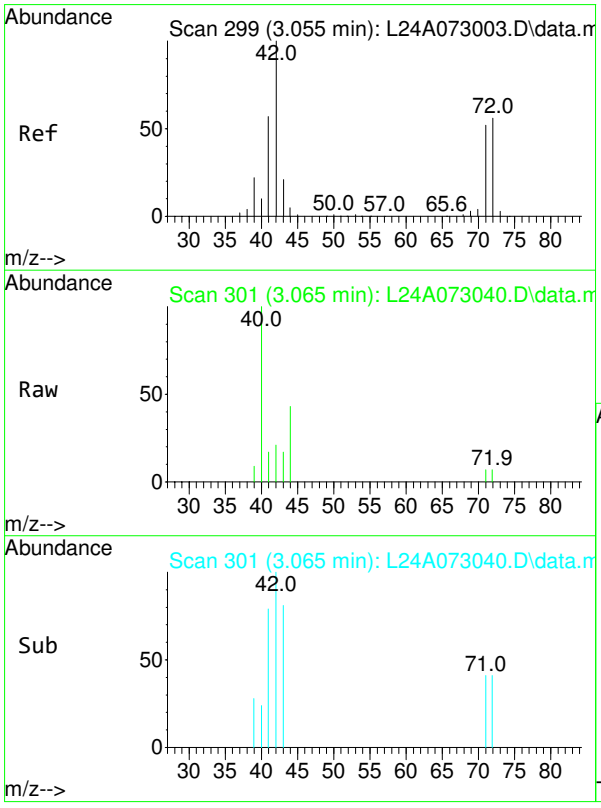


#27
CHLOROFORM
Concen: 0.07 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
85	60.4	44.8	84.8

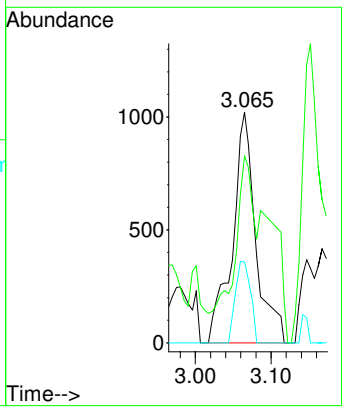


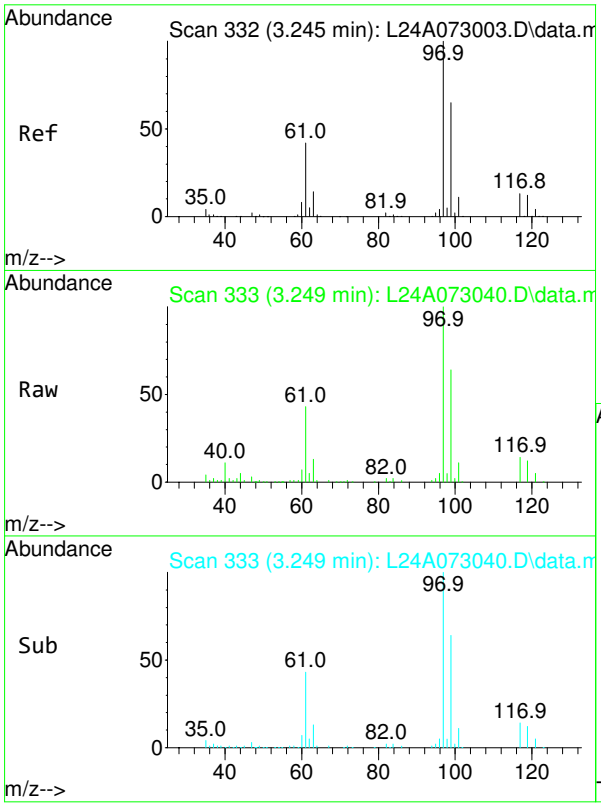


#28
TETRAHYDROFURAN
Concen: 0.10 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 42 Resp: 2442

Ion	Ratio	Lower	Upper
42	100		
41	100.0	33.5	73.5#
71	20.2	24.0	64.0#

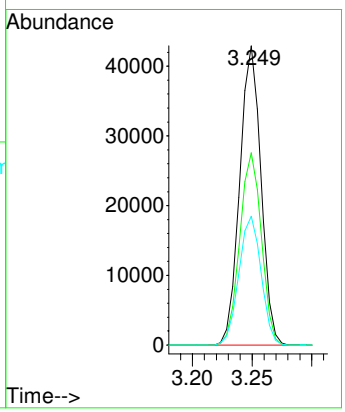


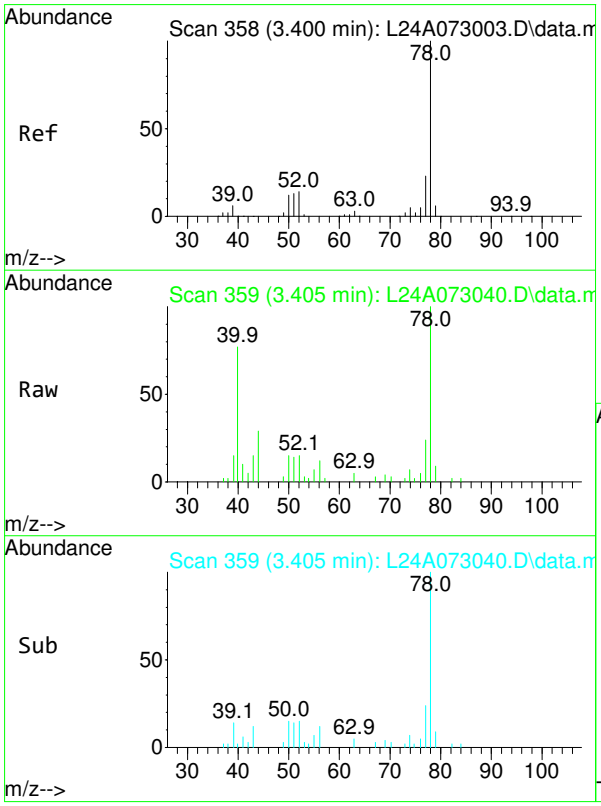


#31
1,1,1-TRICHLOROETHANE
Concen: 1.36 PPBV
RT: 3.249 min Scan# 333
Delta R.T. 0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 97 Resp: 52515

Ion	Ratio	Lower	Upper
97	100		
99	65.5	45.3	85.3
61	45.1	28.1	68.1

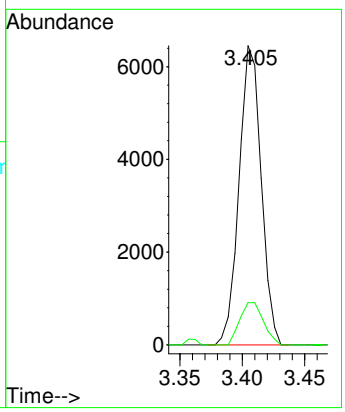


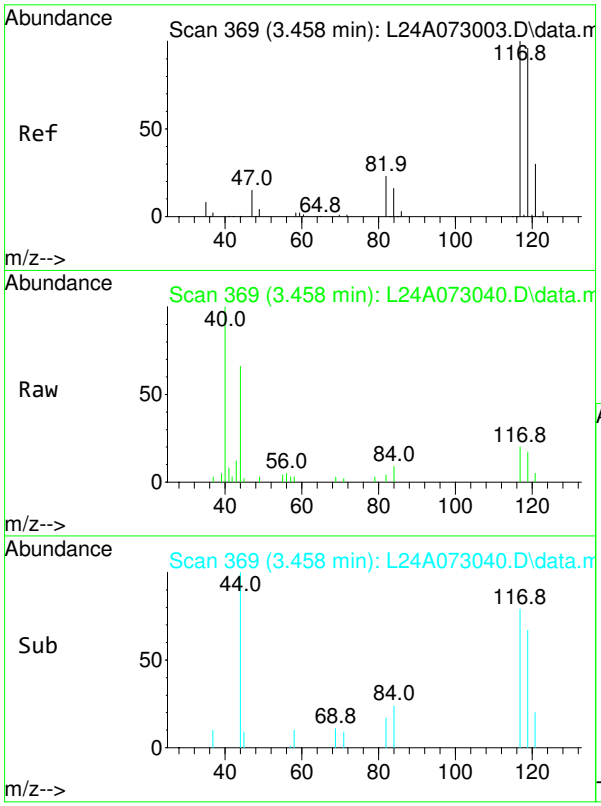


#32
BENZENE
Concen: 0.14 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 78 Resp: 7946

Ion	Ratio	Lower	Upper
78	100		
51	15.2	0.0	37.7

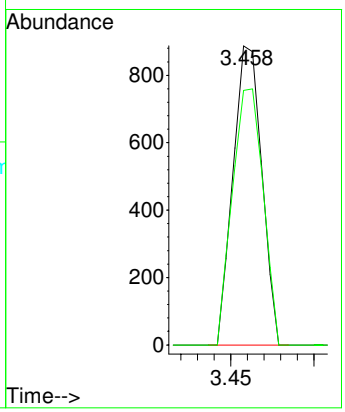


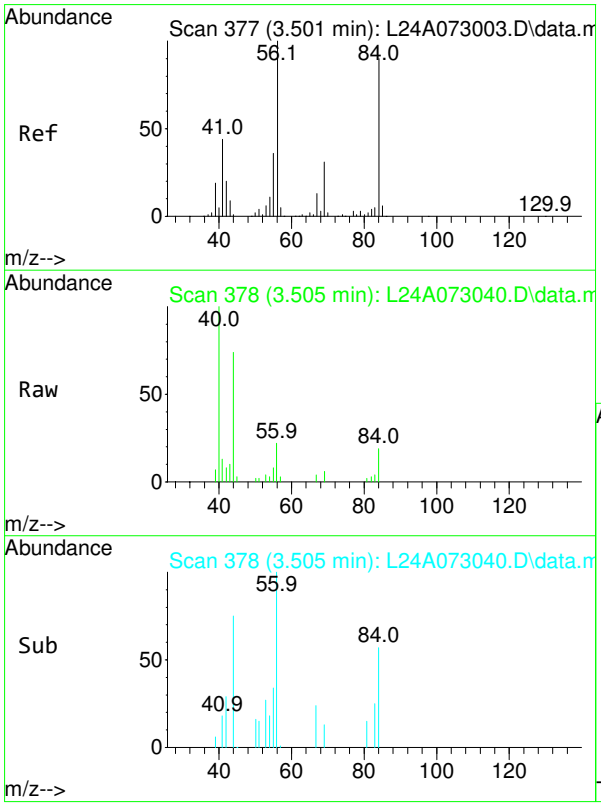


#33
CARBON TETRACHLORIDE
Concen: 0.03 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:117 Resp: 1065

Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.3	115.3

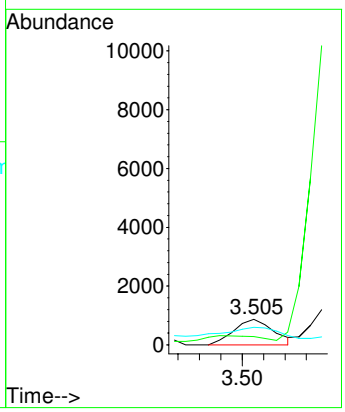


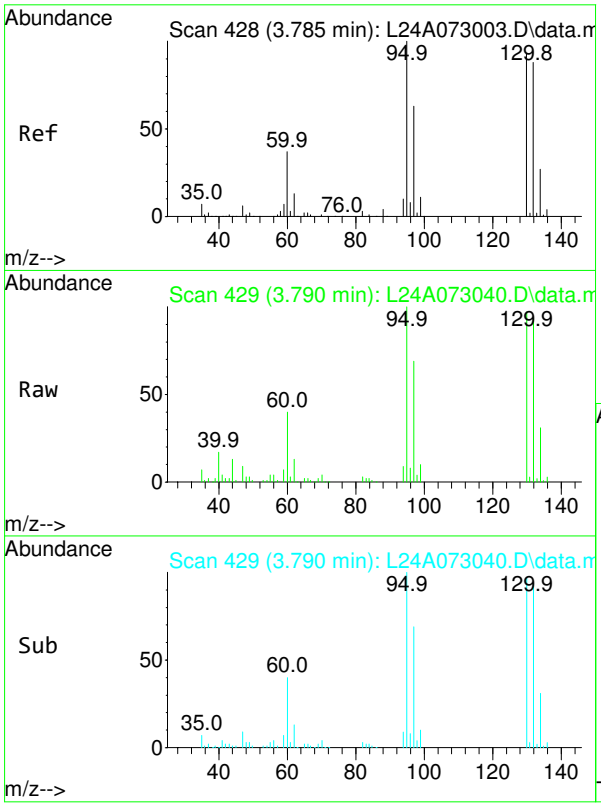


#34
CYCLOHEXANE
Concen: 0.05 PPBV
RT: 3.505 min Scan# 378
Delta R.T. -0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 84 Resp: 1111

Ion	Ratio	Lower	Upper
84	100		
69	34.9	17.7	57.7
41	59.3	44.6	84.6

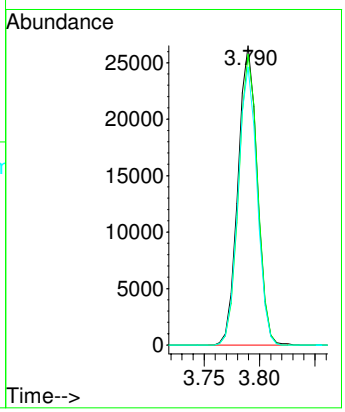


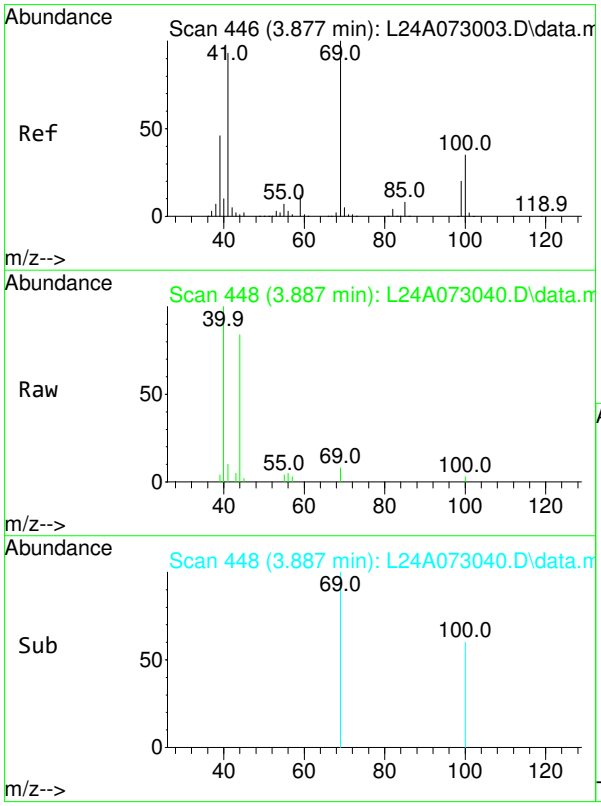


#37
TRICHLOROETHENE
Concen: 1.26 PPBV
RT: 3.790 min Scan# 429
Delta R.T. 0.002 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 95 Resp: 32104

Ion	Ratio	Lower	Upper
95	100		
130	95.5	76.0	116.0
132	91.6	74.7	114.7

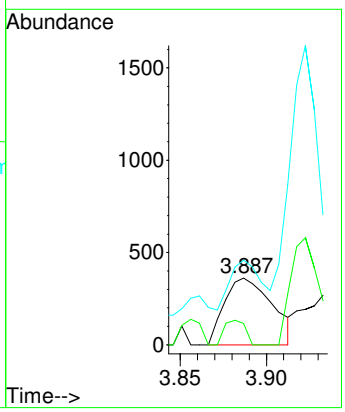


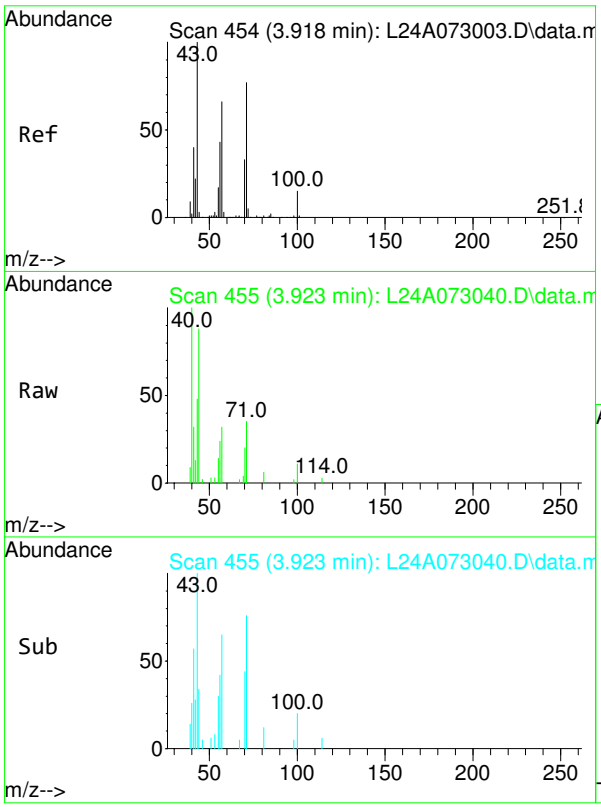


#39
METHYLMETHACRYLATE
Concen: 0.04 PPBV
RT: 3.887 min Scan# 448
Delta R.T. 0.005 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 69 Resp: 695

Ion	Ratio	Lower	Upper
69	100		
100	16.1	18.0	58.0#
41	48.3	102.8	142.8#

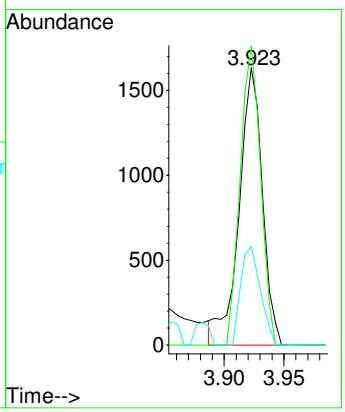


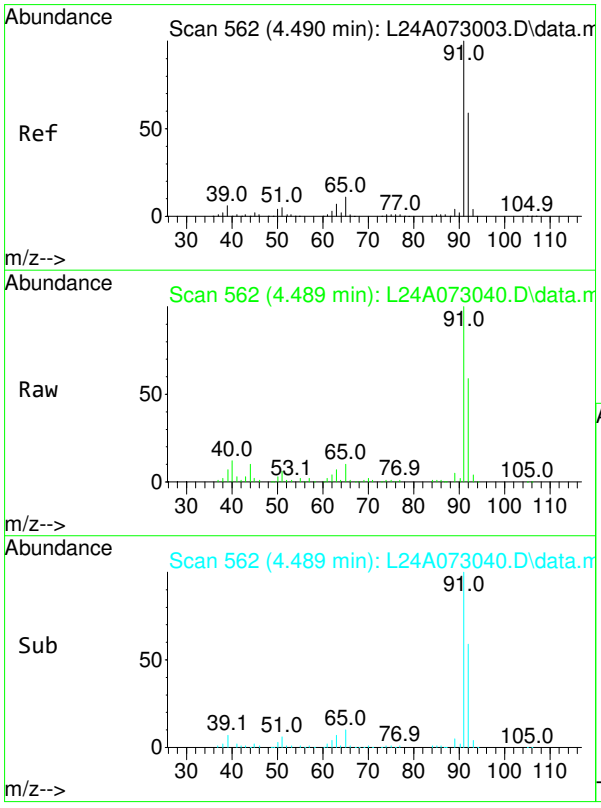


#40
HEPTANE
Concen: 0.13 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 57 Resp: 2195

Ion	Ratio	Lower	Upper
57	100		
71	94.4	87.9	127.9
100	30.0	4.4	44.4

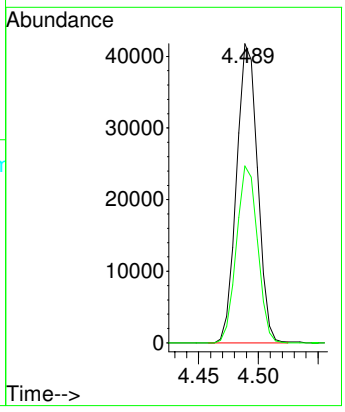


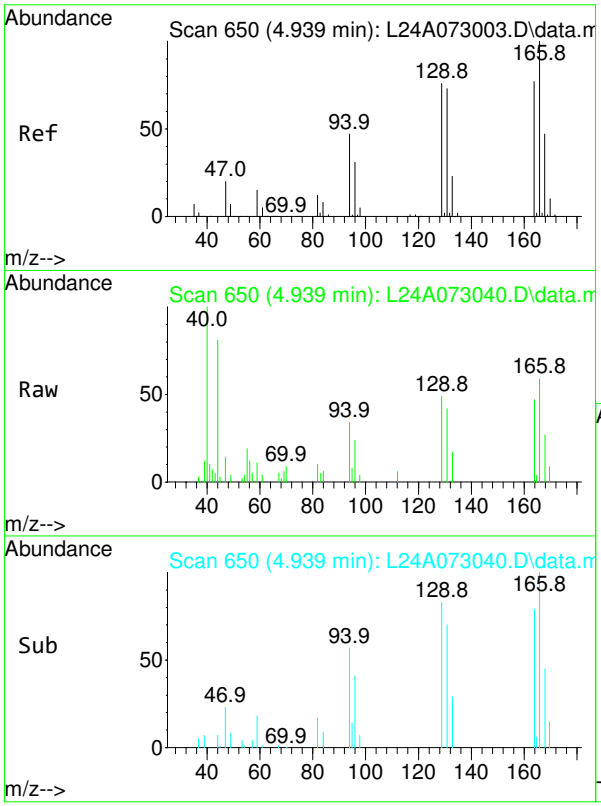


#46
TOLUENE
Concen: 0.76 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 50764

Ion	Ratio	Lower	Upper
91	100		
92	59.2	39.1	79.1

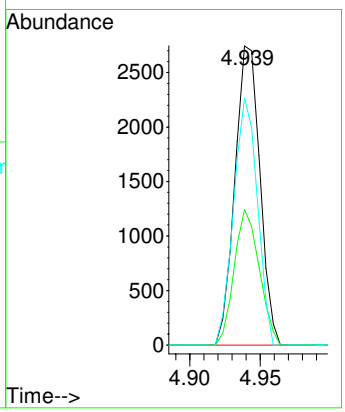


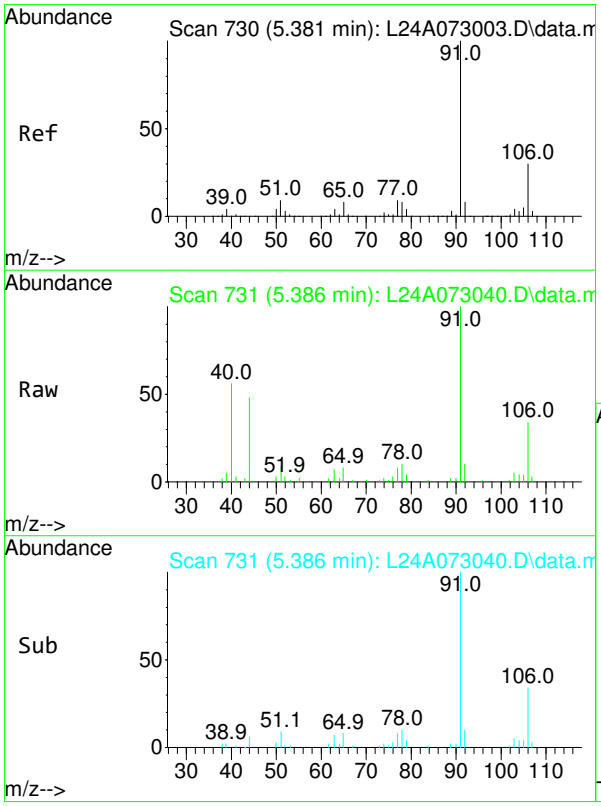


#50
TETRACHLOROETHENE
Concen: 0.11 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:166 Resp: 3390

Ion	Ratio	Lower	Upper
166	100		
168	45.4	28.8	68.8
129	78.5	56.6	96.6

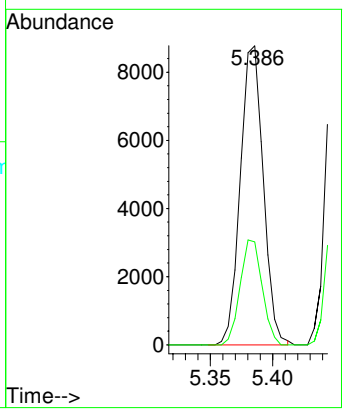


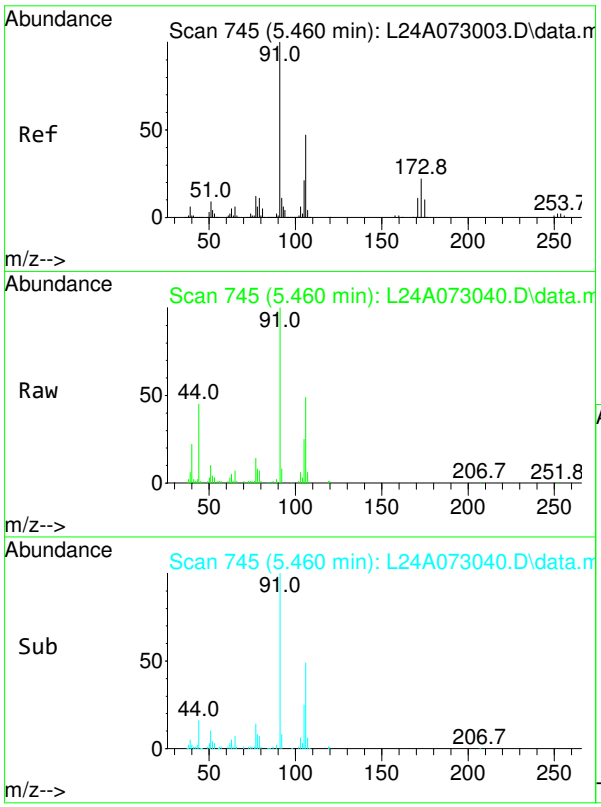


#52
ETHYLBENZENE
Concen: 0.13 PPBV
RT: 5.386 min Scan# 731
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 11239

Ion	Ratio	Lower	Upper
91	100		
106	33.6	10.1	50.1

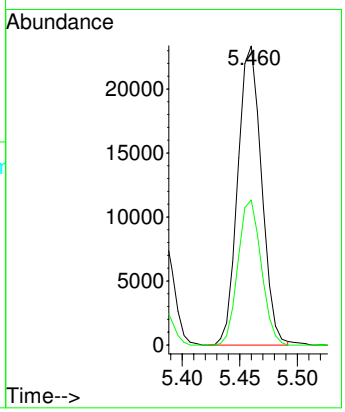


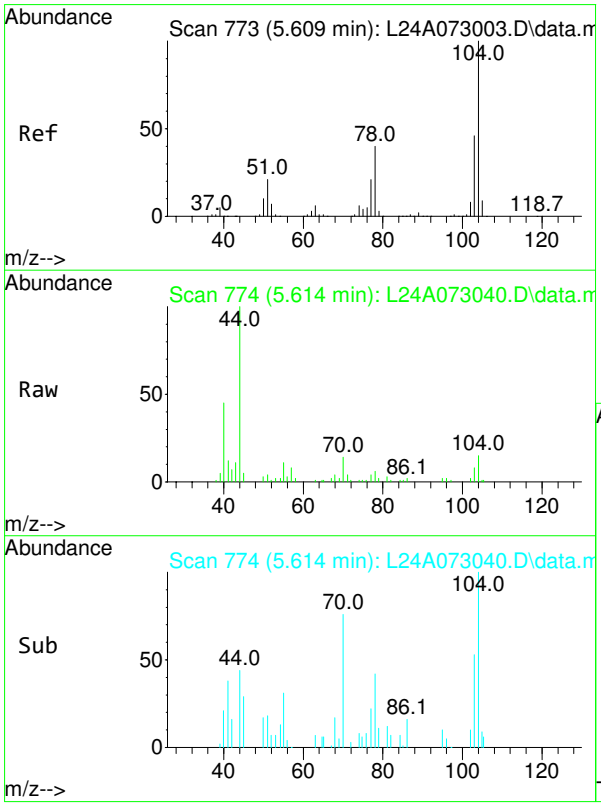


#53
M/P-XYLENE
Concen: 0.48 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 33279

Ion	Ratio	Lower	Upper
91	100		
106	47.4	24.9	64.9

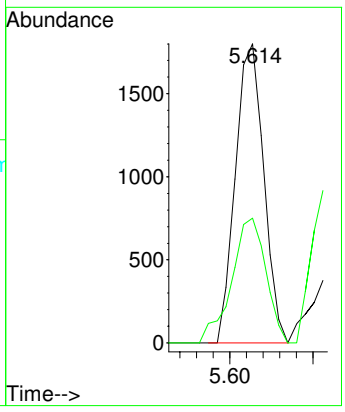


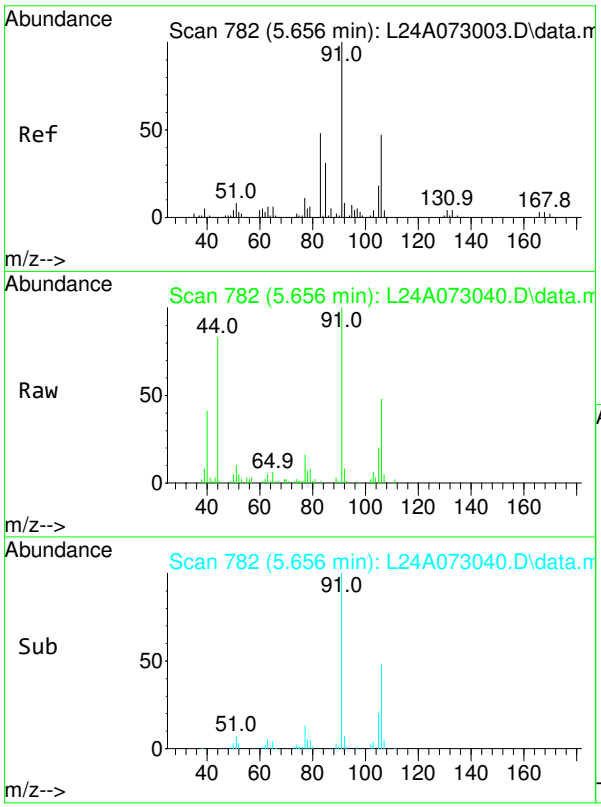


#55
STYRENE
Concen: 0.04 PPBV
RT: 5.614 min Scan# 774
Delta R.T. -0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:104 Resp: 2135

Ion	Ratio	Lower	Upper
104	100		
78	50.4	24.7	64.7

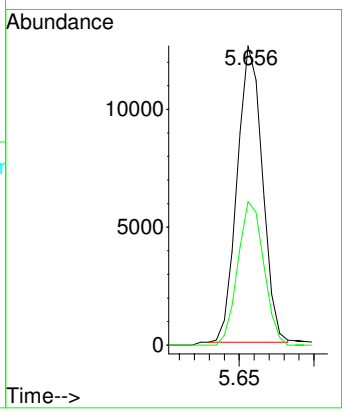


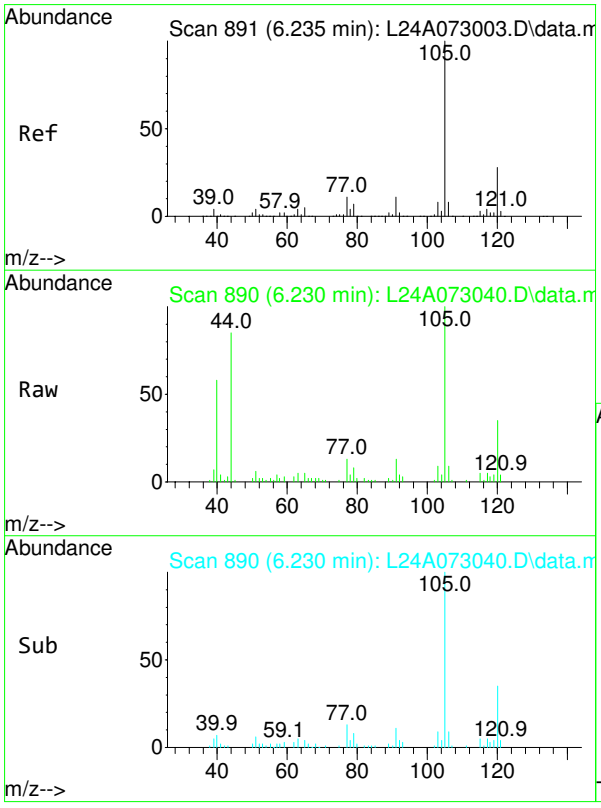


#56
O-XYLENE
Concen: 0.22 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 91 Resp: 14665

Ion	Ratio	Lower	Upper
91	100		
106	49.7	25.4	65.4

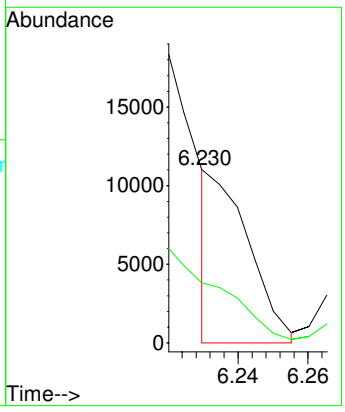


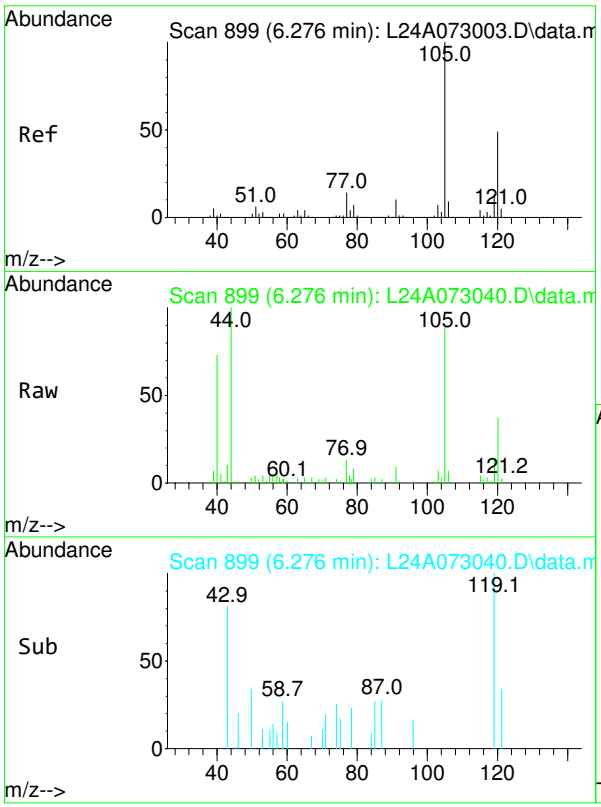


#59
4-ETHYLTOLUENE
Concen: 0.09 PPBV m
RT: 6.230 min Scan# 890
Delta R.T. -0.011 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:105 Resp: 8156

Ion	Ratio	Lower	Upper
105	100		
120	131.8	8.8	48.8#

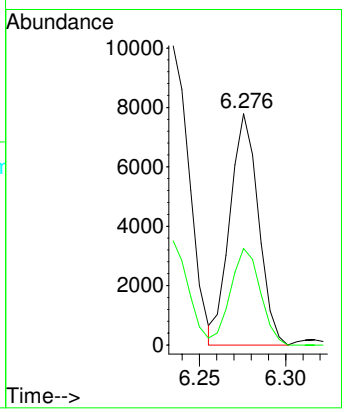


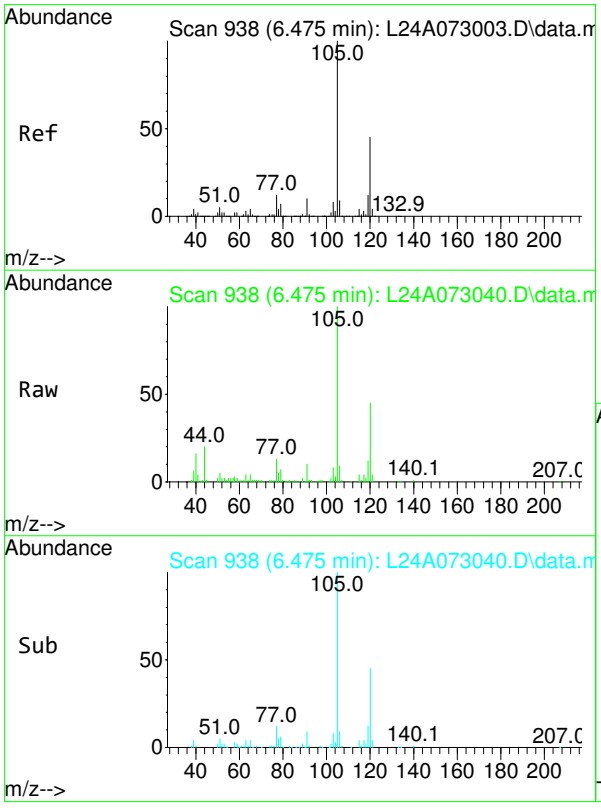


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.12 PPBV
RT: 6.276 min Scan# 899
Delta R.T. -0.007 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:105 Resp: 8961

Ion	Ratio	Lower	Upper
105	100		
120	43.7	26.9	66.9

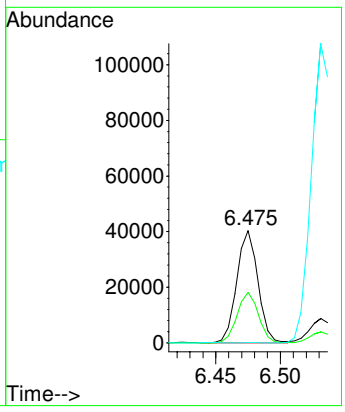


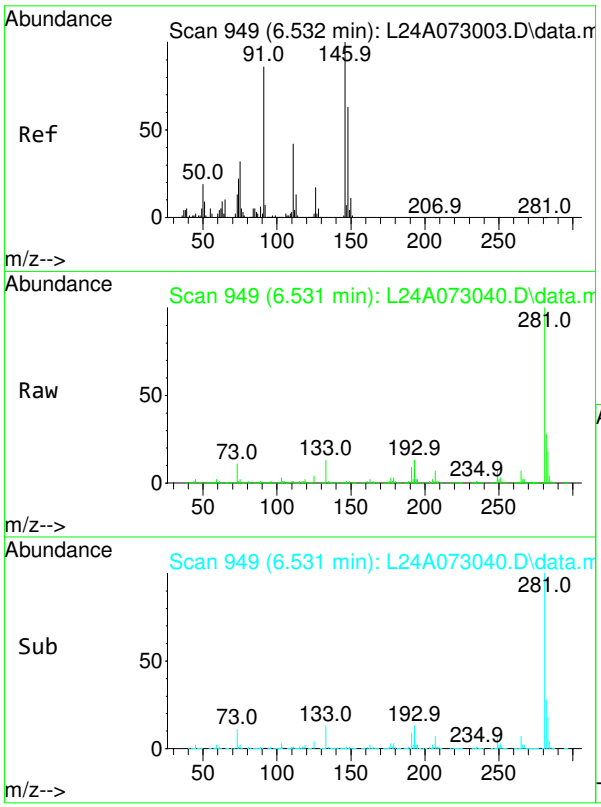


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.63 PPBV
RT: 6.475 min Scan# 938
Delta R.T. -0.008 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:105 Resp: 46037

Ion	Ratio	Lower	Upper
105	100		
120	45.0	24.0	64.0
207	0.2	0.0	20.0

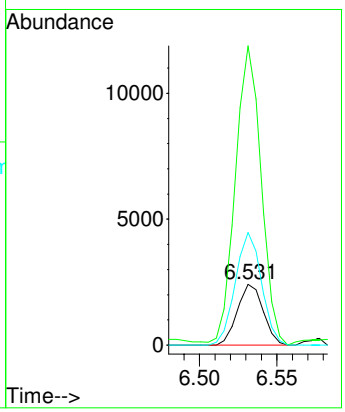


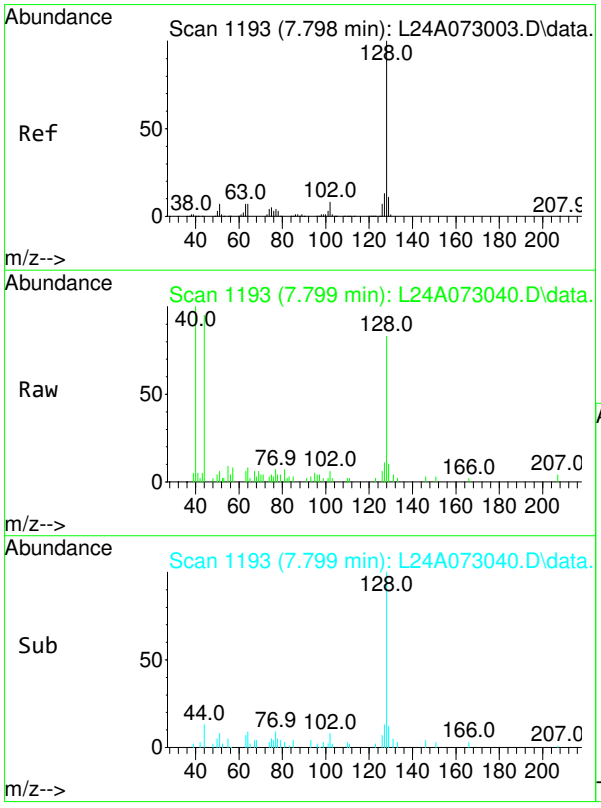


#62
1,3-DICHLOROBENZENE
Concen: 0.06 PPBV
RT: 6.531 min Scan# 949
Delta R.T. -0.009 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:146 Resp: 2800

Ion	Ratio	Lower	Upper
146	100		
111	494.4	22.8	62.8#
148	188.0	42.9	82.9#

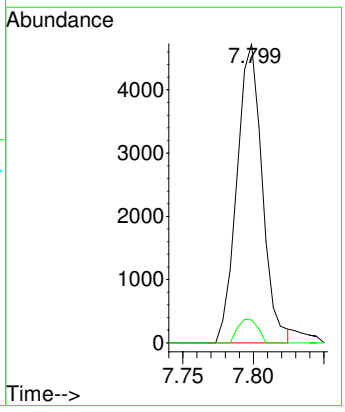


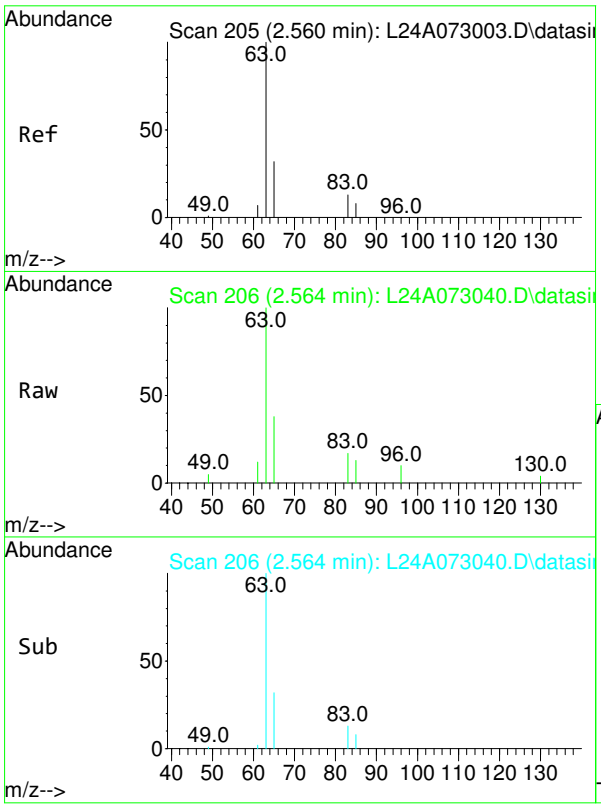


#67
NAPHTHALENE
Concen: 0.09 PPBV
RT: 7.799 min Scan# 1193
Delta R.T. -0.004 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:128 Resp: 5914

Ion	Ratio	Lower	Upper
128	100		
102	6.2	0.0	29.2

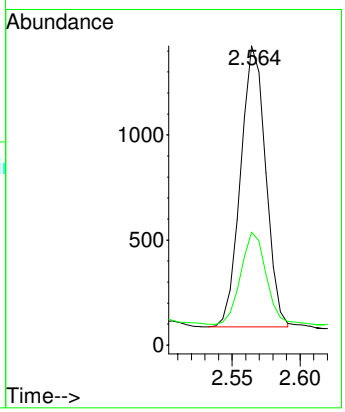


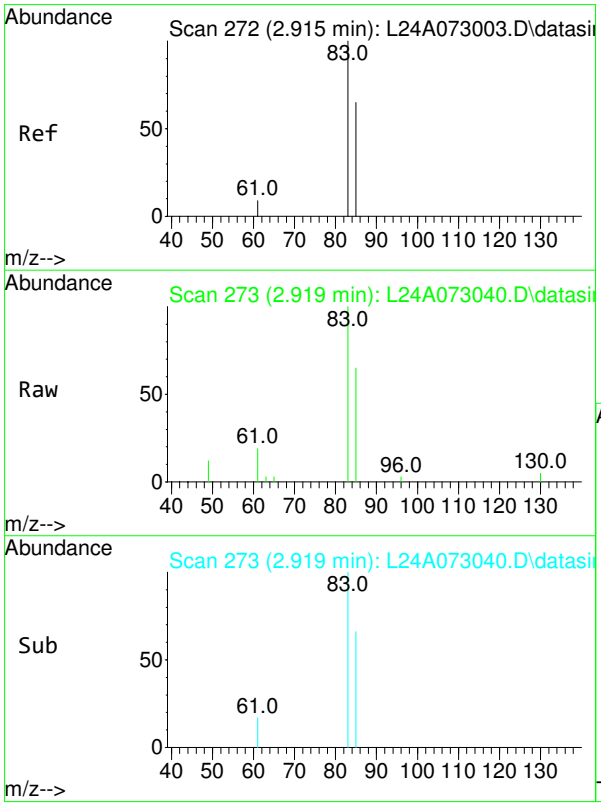


#73
1,1-DICHLOROETHANE (SIM)
Concen: 0.05 PPBV
RT: 2.564 min Scan# 206
Delta R.T. 0.005 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 63 Resp: 1716

Ion	Ratio	Lower	Upper
63	100		
65	32.9	11.5	51.5

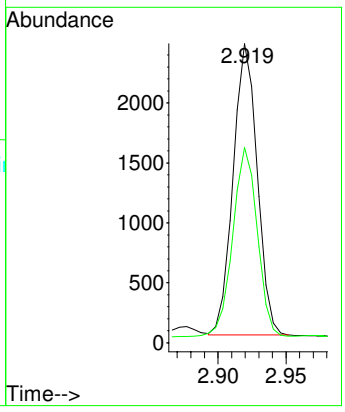


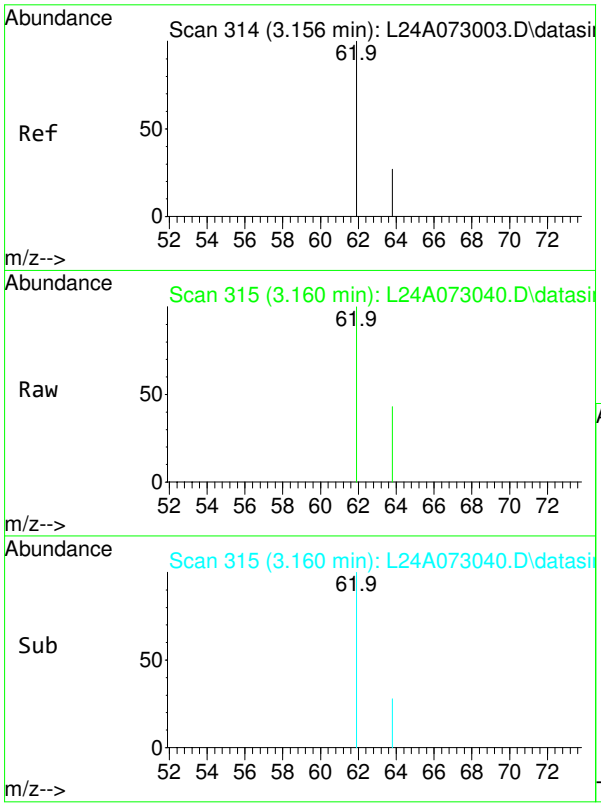


#75
CHLOROFORM (SIM)
Concen: 0.08 PPBV
RT: 2.919 min Scan# 273
Delta R.T. 0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 83 Resp: 2991

Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.0	85.0

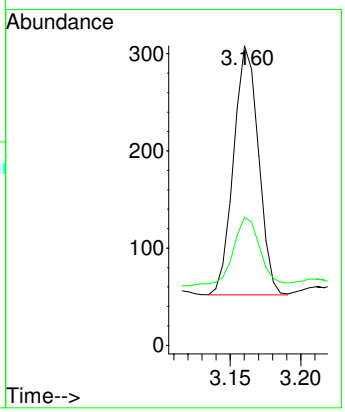


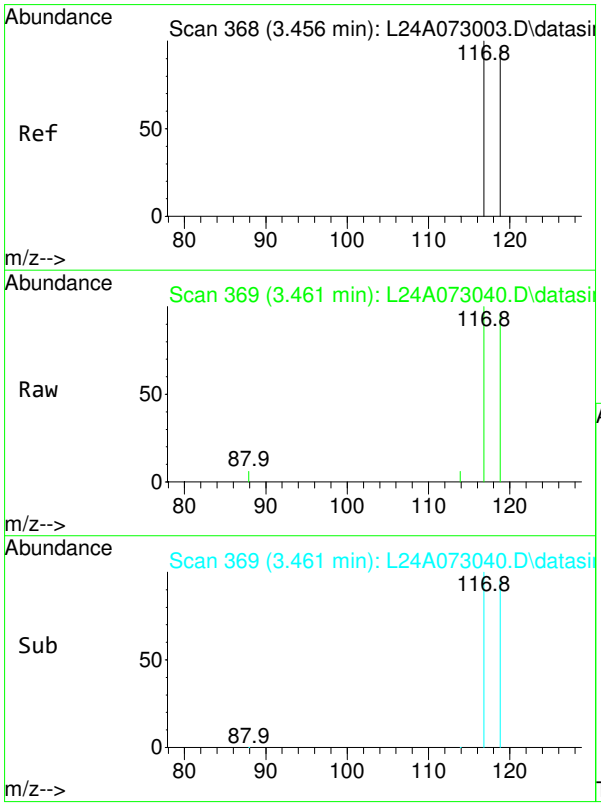


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 3.160 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 62 Resp: 315

Ion	Ratio	Lower	Upper
62	100		
64	0.0	7.0	47.0#

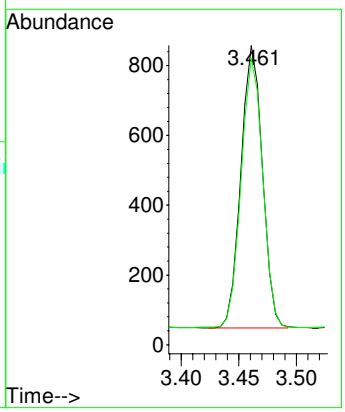


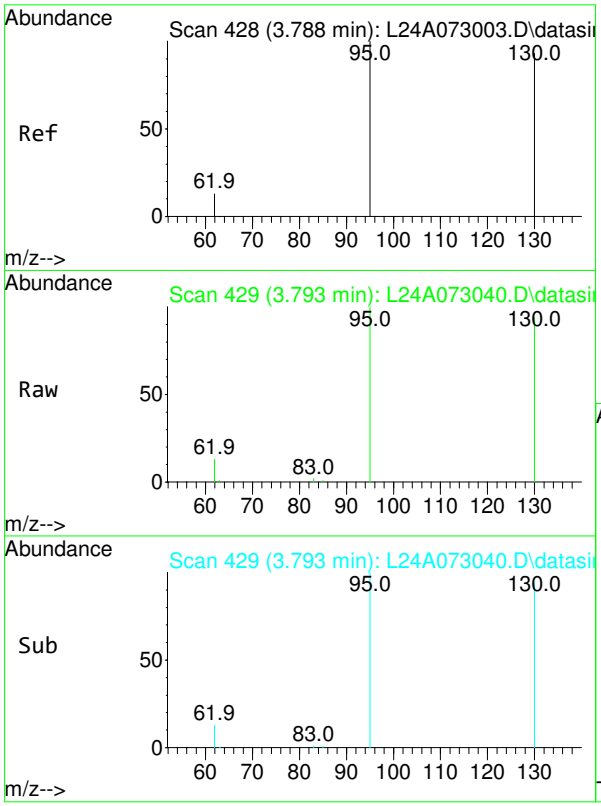


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion:117 Resp: 1042

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	116.3

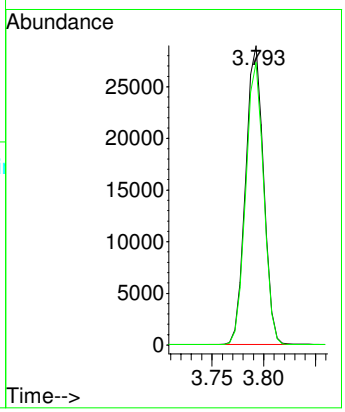




#81
TRICHLOROETHENE (SIM)
Concen: 1.31 PPBV
RT: 3.793 min Scan# 429
Delta R.T. 0.003 min
Lab File: L24A073040.D
Acq: 14 Mar 2024 05:51 am

Tgt Ion: 95 Resp: 34899

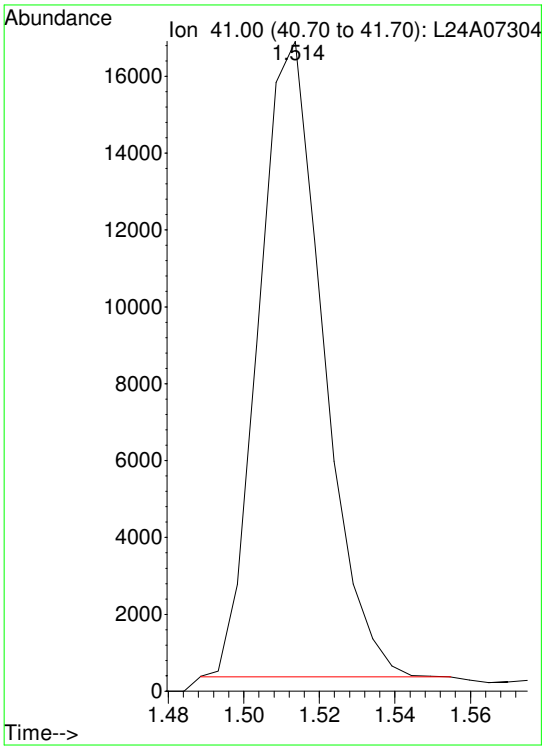
Ion	Ratio	Lower	Upper
95	100		
130	94.0	74.5	114.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

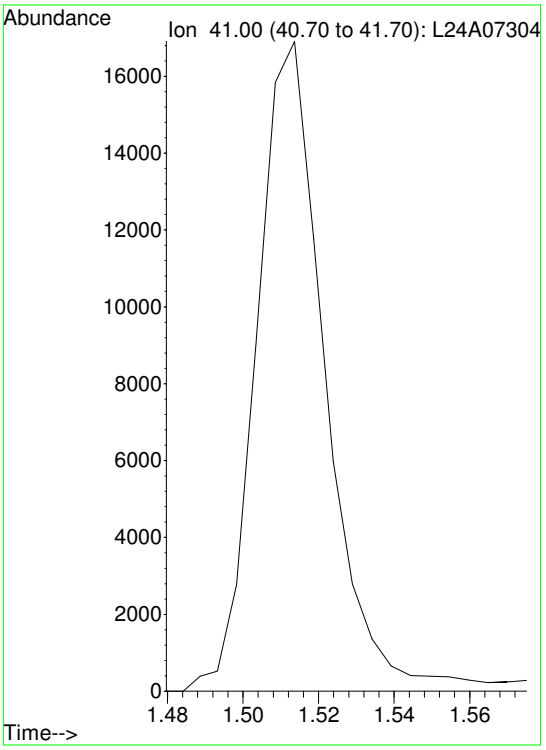
RT : 1.51
Area : 19443
Amount: 1.85485

Manual Int. Results

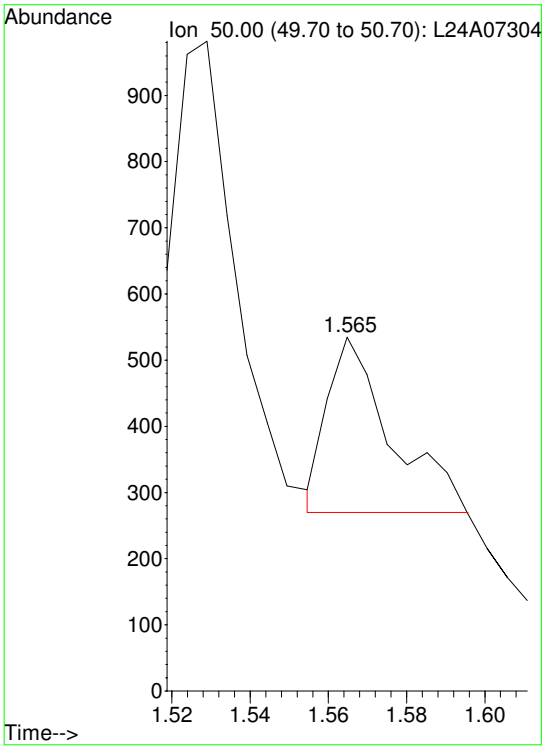
Fri Mar 15 11:27:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

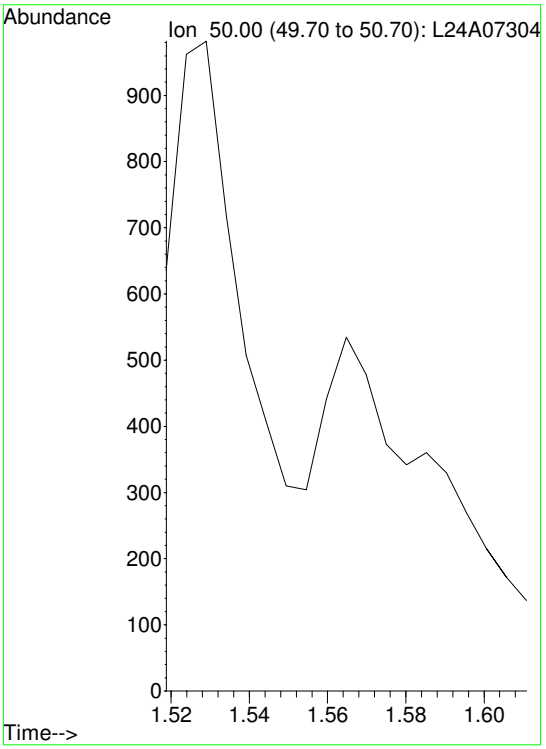
RT : 1.56
Area : 298
Amount: 0.018988

Manual Int. Results

Fri Mar 15 11:27:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

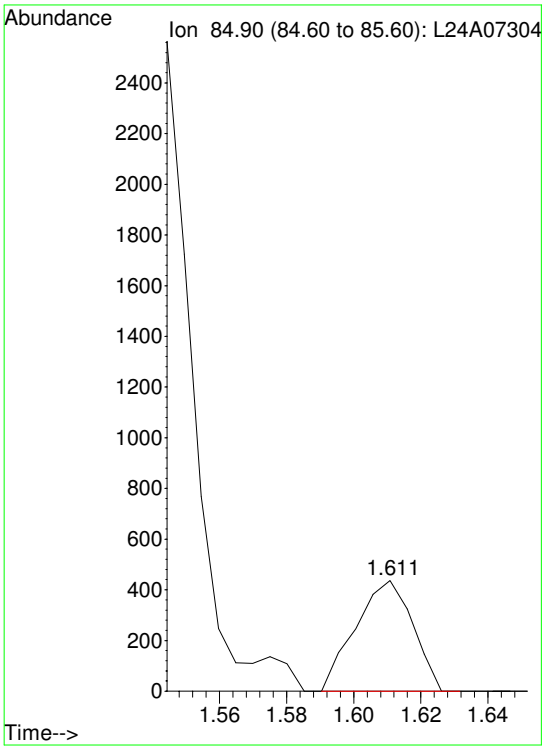
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

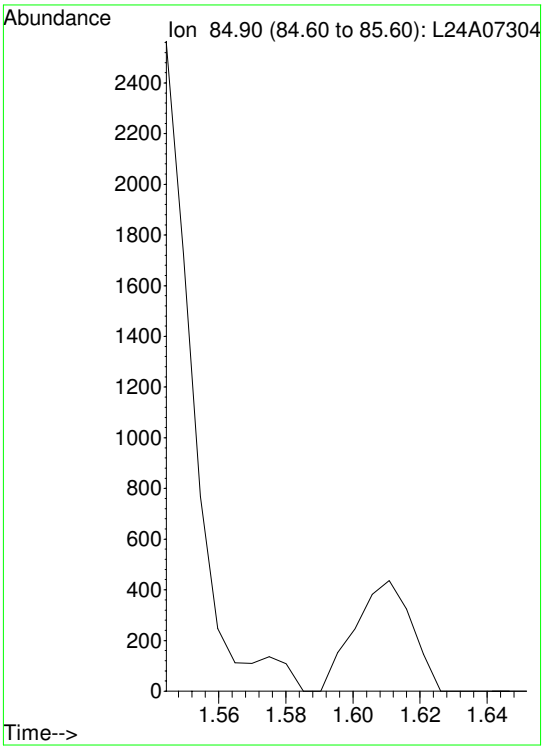
RT : 1.61
Area : 518
Amount: 0.0112841

Manual Int. Results

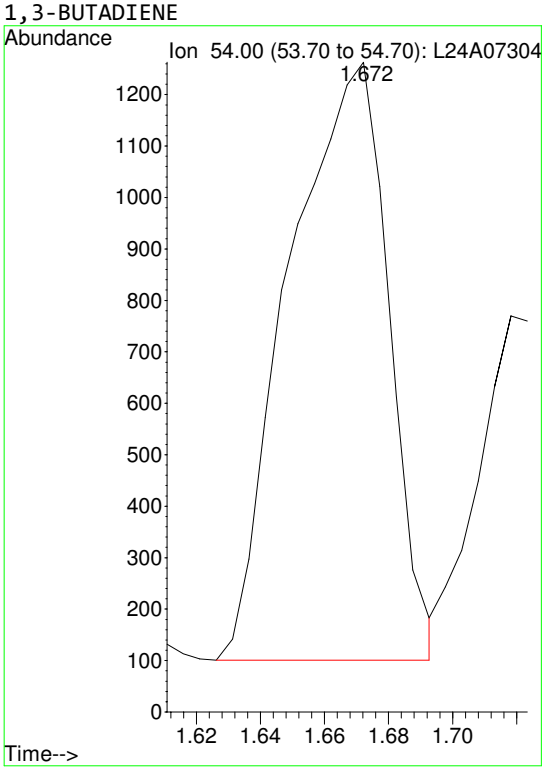
Fri Mar 15 11:28:03 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

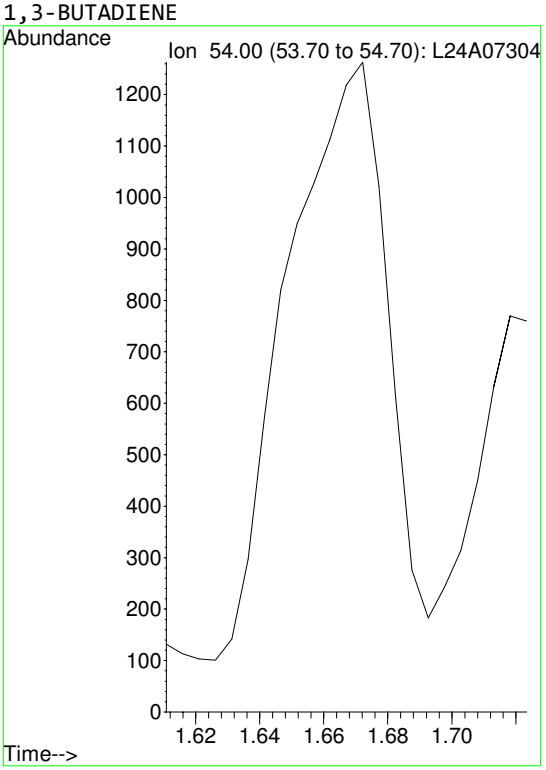
RT : 1.67
Area : 2511
Amount: 0.177123

Manual Int. Results

Fri Mar 15 11:28:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

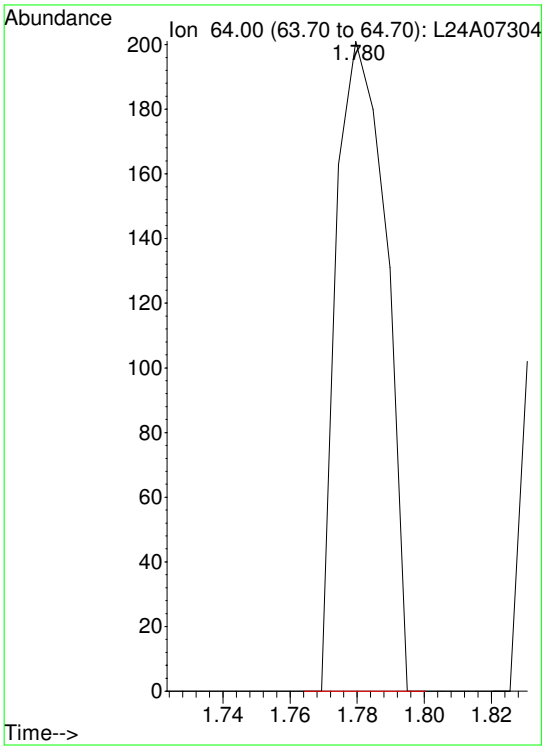
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

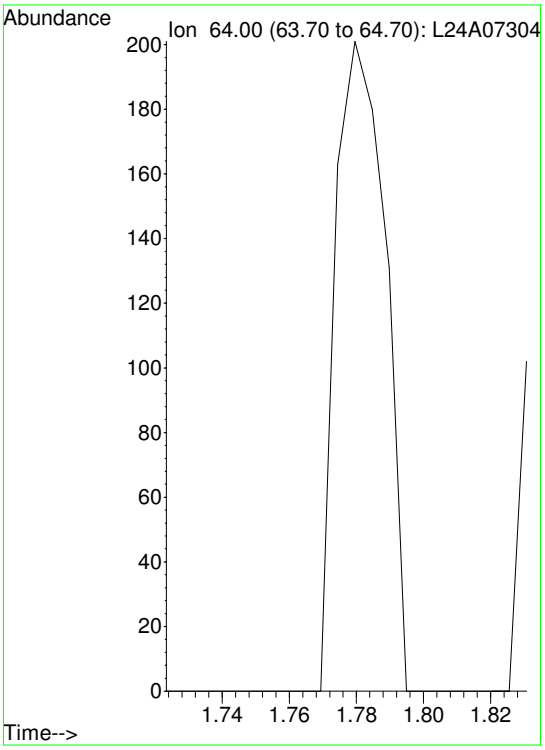
RT : 1.78
Area : 207
Amount: 0.0195449

Manual Int. Results

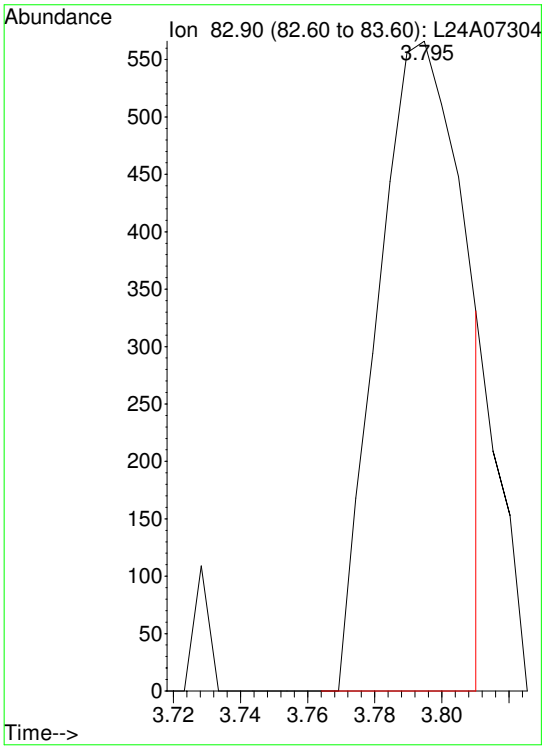
Fri Mar 15 11:28:11 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

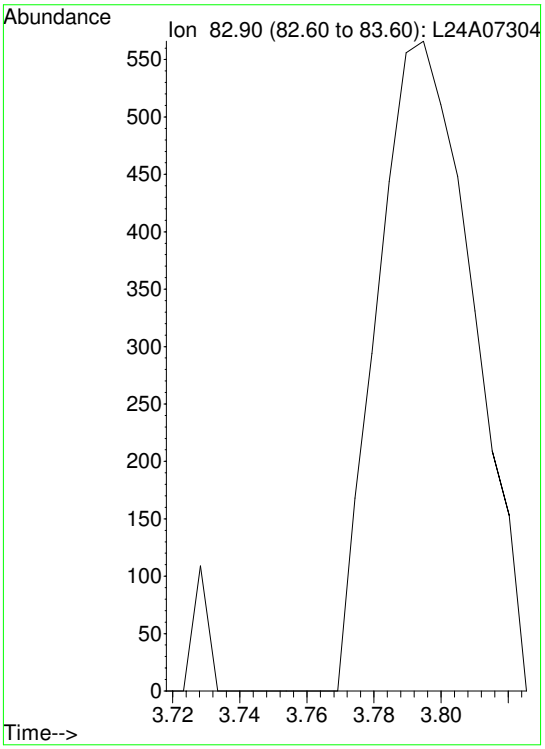
RT : 3.79
Area : 1018
Amount: 0.024033

Manual Int. Results

Fri Mar 15 11:28:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

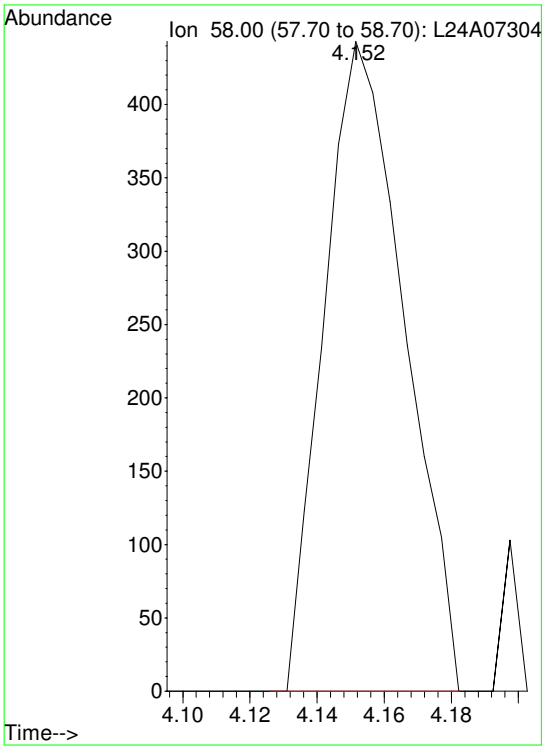
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

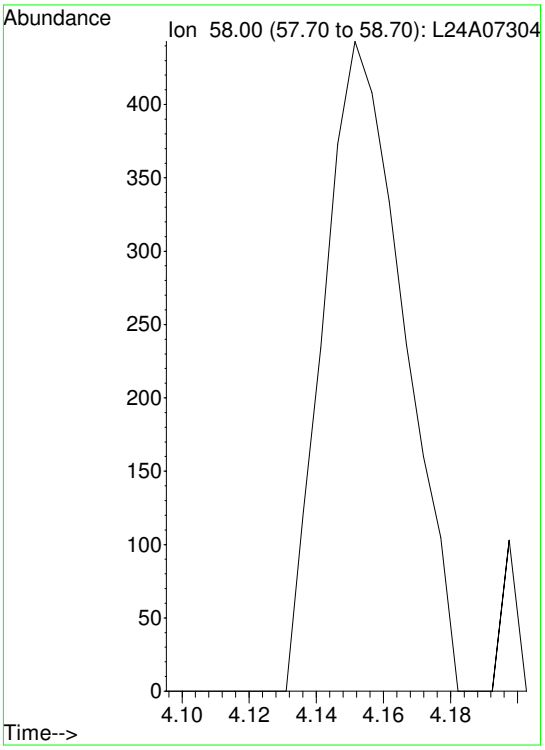
RT : 4.15
Area : 741
Amount: 0.0403365

Manual Int. Results

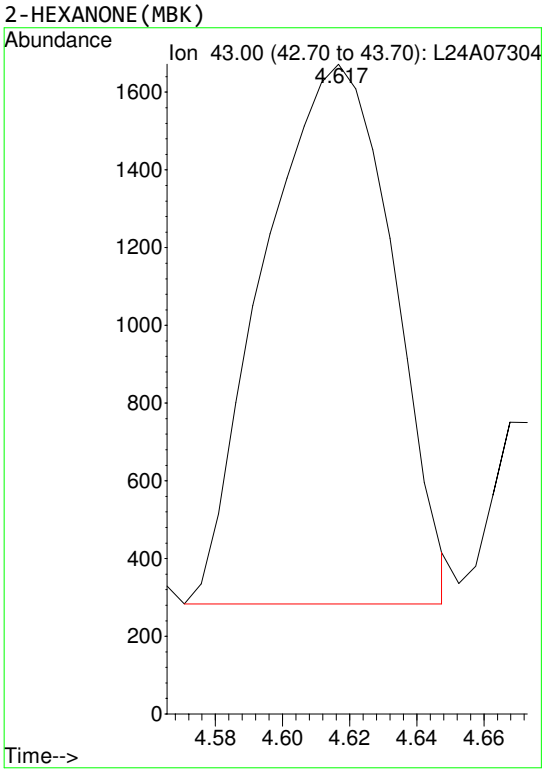
Fri Mar 15 11:28:56 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

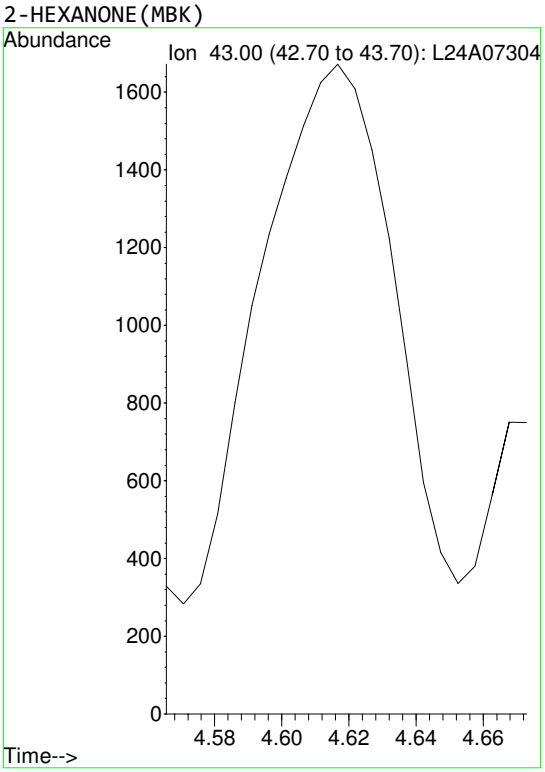
RT : 4.62
Area : 3710
Amount: 0.0867312

Manual Int. Results

Fri Mar 15 11:29:02 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

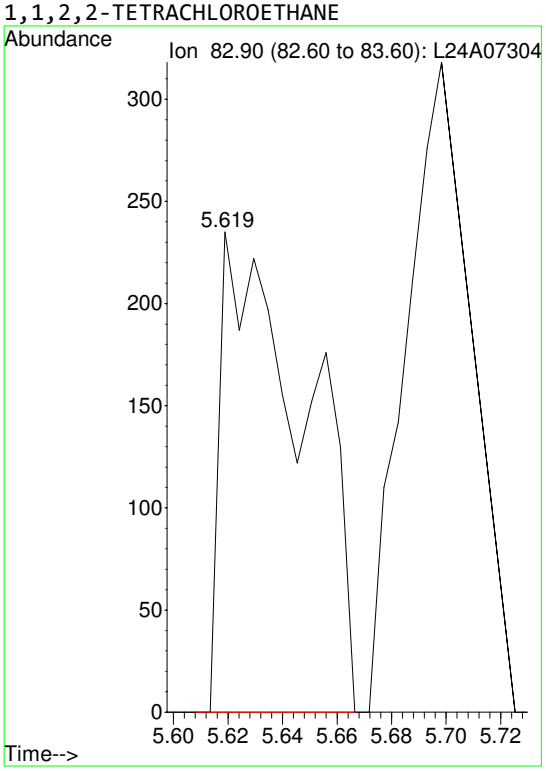
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

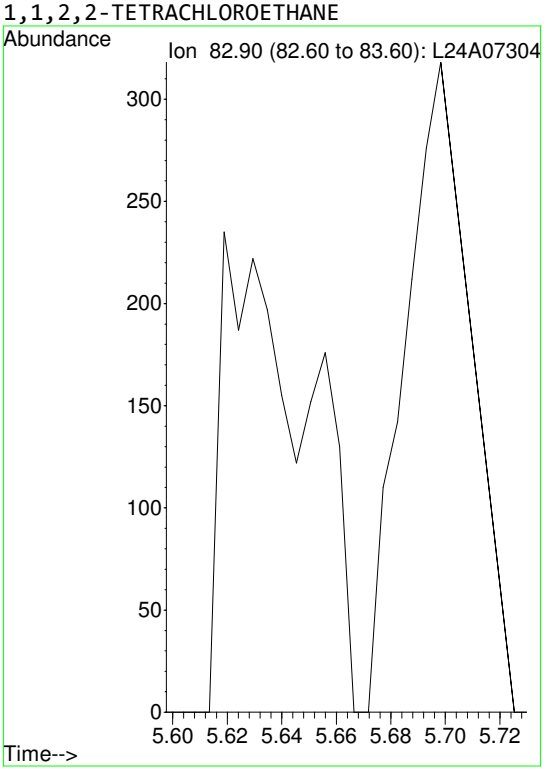
RT : 5.62
Area : 501
Amount: 0.010266

Manual Int. Results

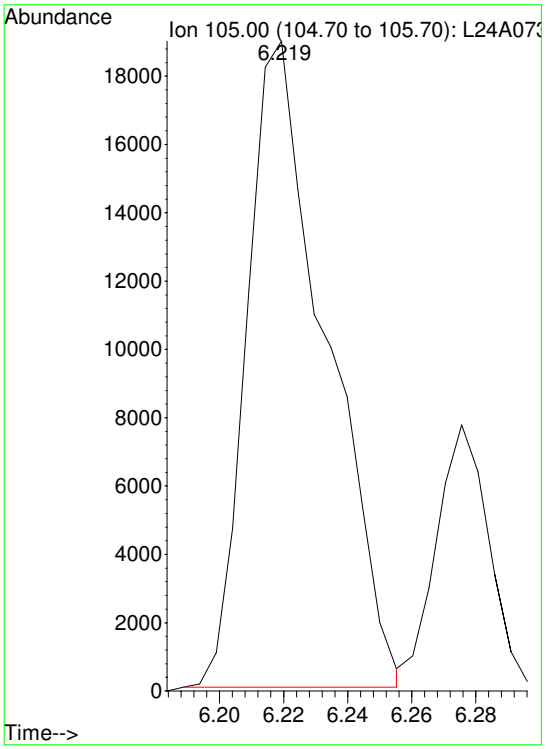
Fri Mar 15 11:29:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

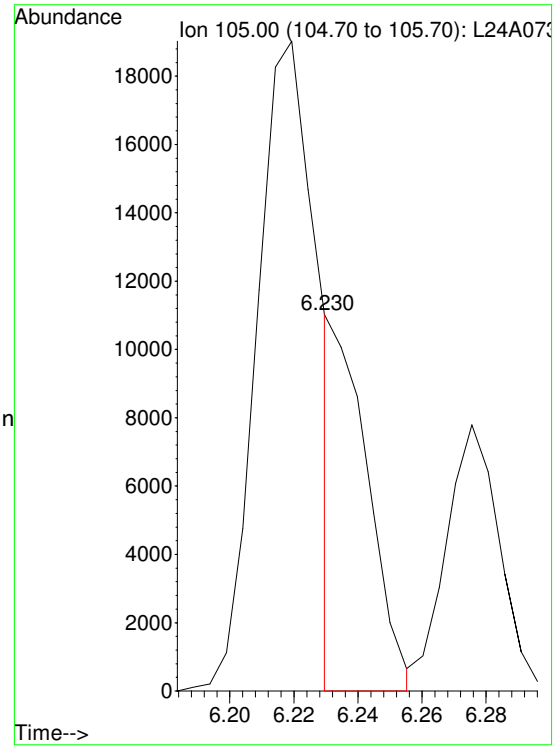
RT : 6.22
Area : 32504
Amount: 0.365222

Manual Int. Results

Fri Mar 15 11:29:14 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 8156
Amount: 0.0916426

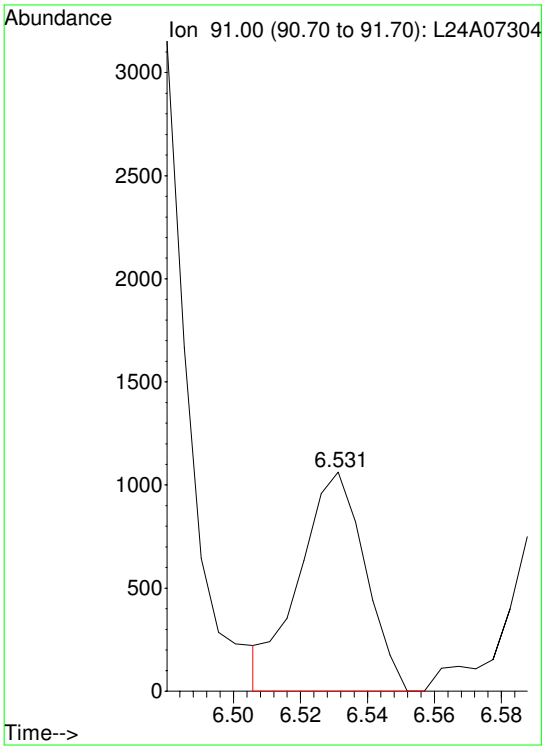
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073040.D
Acq On : 14 Mar 2024 05:51 am
Operator : CMR
Sample : 24C0251-02 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:29:35 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BENZYL CHLORIDE



Original Int. Results

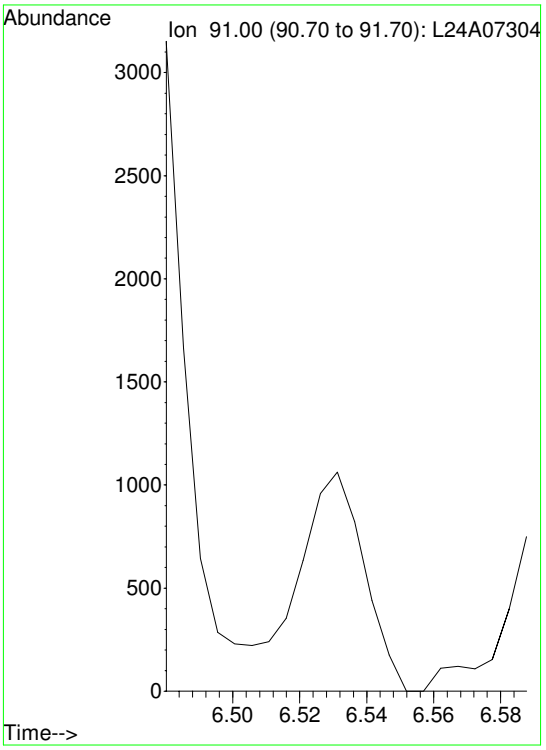
RT : 6.53
Area : 1442
Amount: 0.0309943

Manual Int. Results

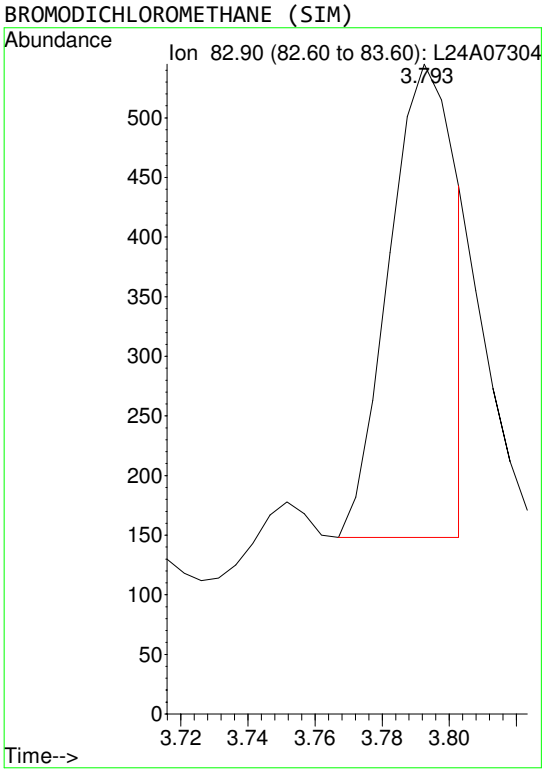
Fri Mar 15 11:29:21 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

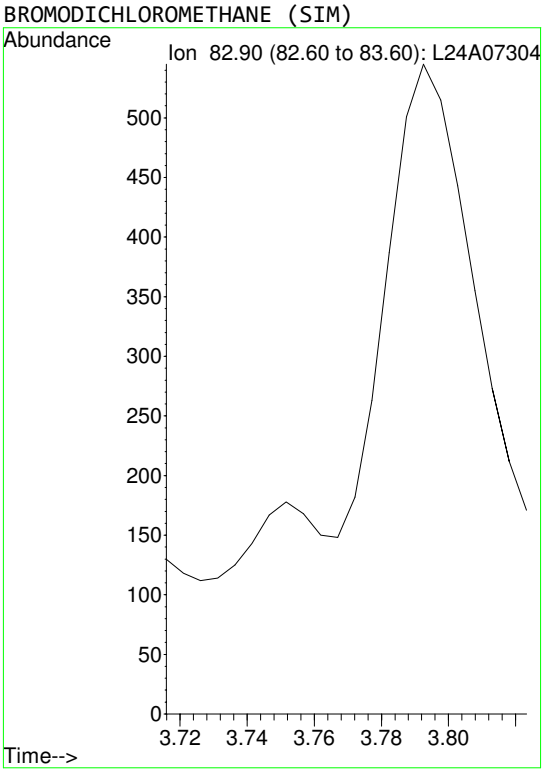
RT : 3.79
Area : 552
Amount: 0.0121289

Manual Int. Results

Fri Mar 15 11:29:33 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-03	File ID:	L24A073039.D
Sampled:	02/28/24 19:32	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:23
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	13	2.0	4.0	
71-43-2	Benzene	0.090	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	0.77	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene	0.054	0.048	0.10	J
75-71-8	Dichlorodifluoromethane (Freon 12)	0.42	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-03	File ID:	L24A073039.D
Sampled:	02/28/24 19:32	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:23
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	110	2.7	4.0	E
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.080	0.063	0.10	J
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)	0.10	0.043	0.10	
67-63-0	Isopropanol	15	2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	1.0	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.13	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	1.1	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	1.4	0.041	0.40	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.096	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate	0.56	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-03	File ID:	L24A073039.D
Sampled:	02/28/24 19:32	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 05:23
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
				Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073039.D Vial: 34
Acq On : 14 Mar 2024 05:23 am Operator: CMR
Sample : 24C0251-03 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:14 2024

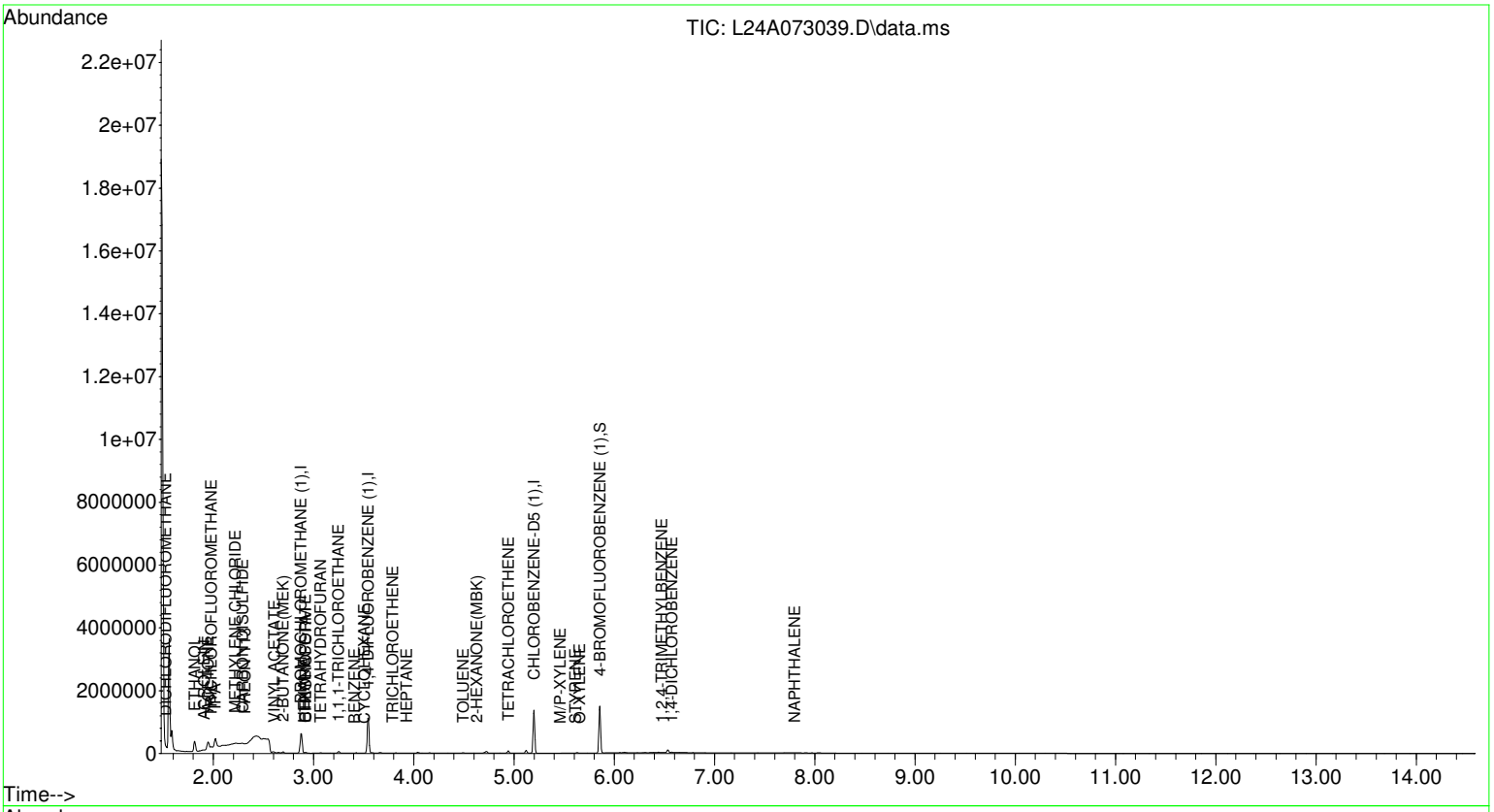
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073039.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

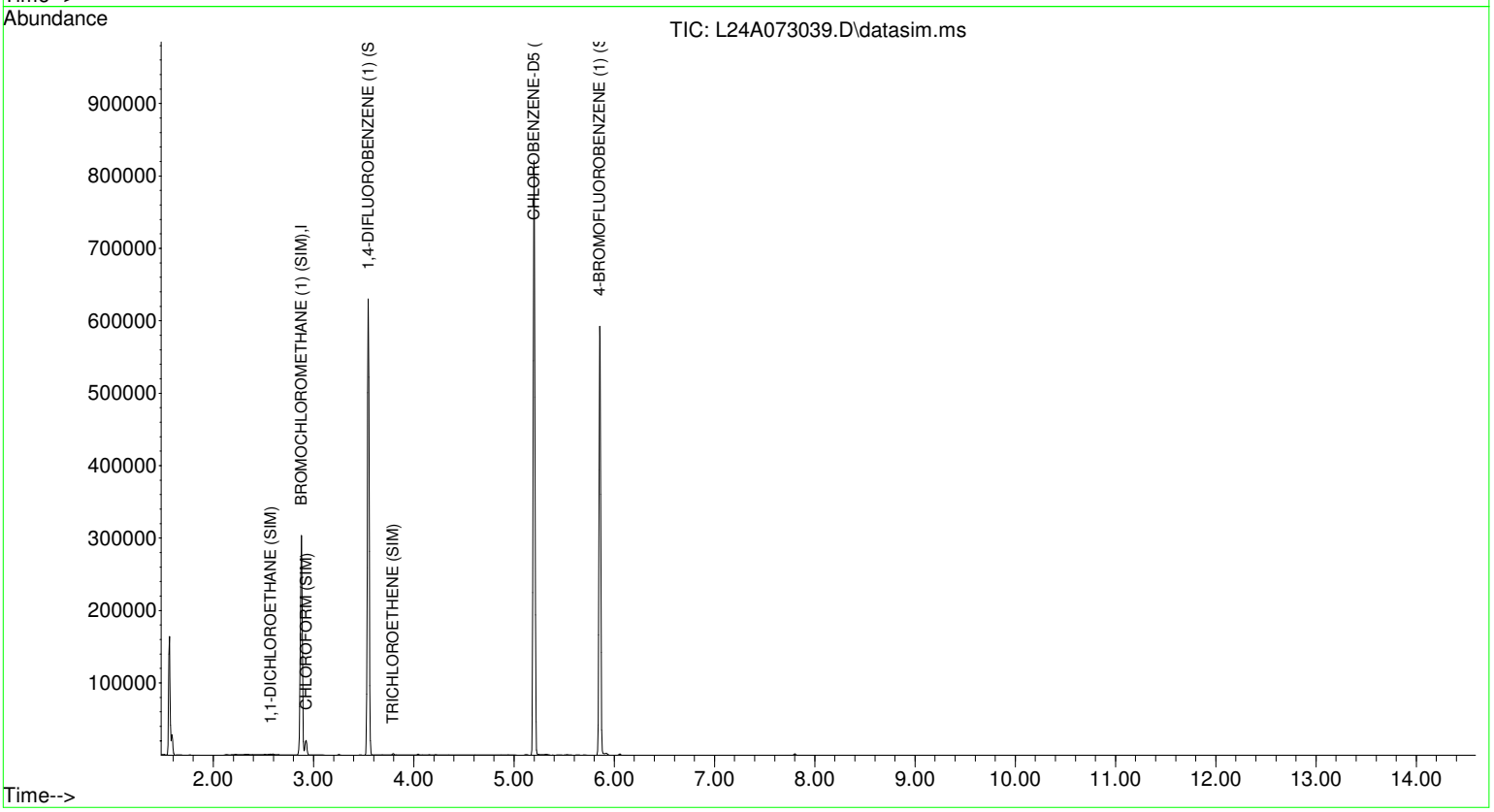
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.875	49	211262	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	631009	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	577545	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.878	49	229325	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.546	114	661971	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	633667	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	297240	7.477	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.50%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	303928	7.492	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.63%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.524	85	9862	0.211	PPBV	99
10) ACROLEIN	1.908	56	2946	0.351	PPBV	87
11) ACETONE	1.949	43	193011	6.513	PPBV	72
12) TRICHLOROFLUOROMETHANE	1.980	101	32420	0.676	PPBV	99
13) ETHANOL	1.816	45	259476	56.717	PPBV	99
15) METHYLENE CHLORIDE	2.218	49	909	0.039	PPBV #	74
16) FREON 113	2.313	101	1812	0.048	PPBV	99
17) CARBON DISULFIDE	2.292	76	2026	0.037	PPBV	69
21) IPA	2.021	45	235021	7.538	PPBV	97
22) 2-BUTANONE(MEK)	2.695	43	30707	0.842	PPBV	91
24) VINYL ACETATE	2.610	43	10822	0.280	PPBV	76
25) HEXANE	2.907	41	1346	0.068	PPBV	82
26) ETHYL ACETATE	2.917	45	681	0.108	PPBV #	42
27) CHLOROFORM	2.923	83	14708	0.387	PPBV	96
28) TETRAHYDROFURAN	3.071	42	3904	0.162	PPBV #	23
31) 1,1,1-TRICHLOROETHANE	3.250	97	21414	0.535	PPBV	98
32) BENZENE	3.410	78	2567	0.045	PPBV	68
34) CYCLOHEXANE	3.506	84	275	0.012	PPBV #	30
37) TRICHLOROETHENE	3.790	95	958	0.036	PPBV	94
40) HEPTANE	3.928	57	721	0.040	PPBV	83
46) TOLUENE	4.494	91	4339	0.064	PPBV	91
47) 2-HEXANONE(MBK)	4.627	43	2179	0.050	PPBV	90
50) TETRACHLOROETHENE	4.944	166	15414	0.511	PPBV	96
53) M/P-XYLENE	5.460	91	1375	0.020	PPBV	92
55) STYRENE	5.613	104	703	0.015	PPBV #	60
56) O-XYLENE	5.656	91	736	0.011	PPBV #	56
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	822	0.011	PPBV #	76
64) 1,4-DICHLOROBENZENE	6.572	146	1132	0.027	PPBV	91
67) NAPHTHALENE	7.797	128	2092	0.030	PPBV	89
73] 1,1-DICHLOROETHANE (SIM)	2.570	63	504	0.013	PPBV #	51
75] CHLOROFORM (SIM)	2.926	83	15630	0.386	PPBV	99
81] TRICHLOROETHENE (SIM)	3.793	95	1107	0.040	PPBV	100

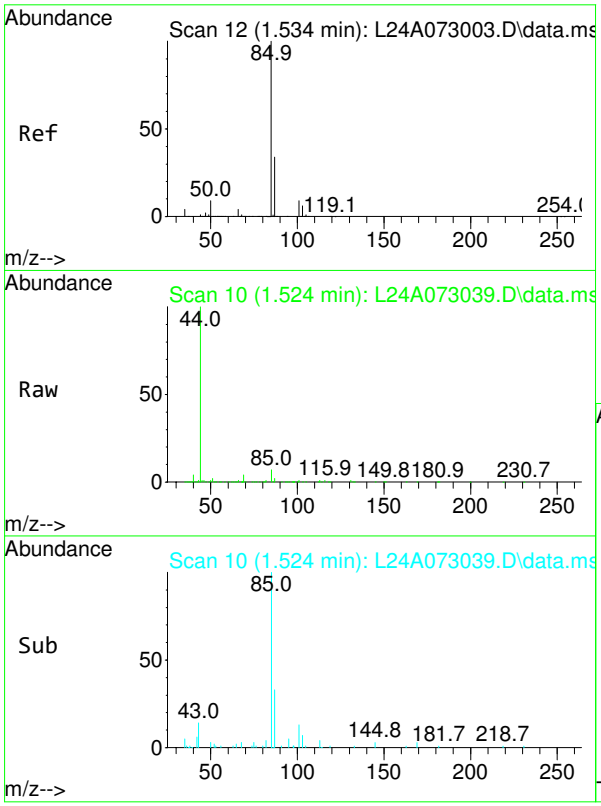
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073039.D Vial: 34
Acq On : 14 Mar 2024 05:23 am Operator: CMR
Sample : 24C0251-03 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073039.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



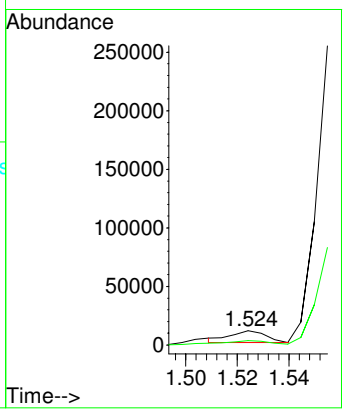


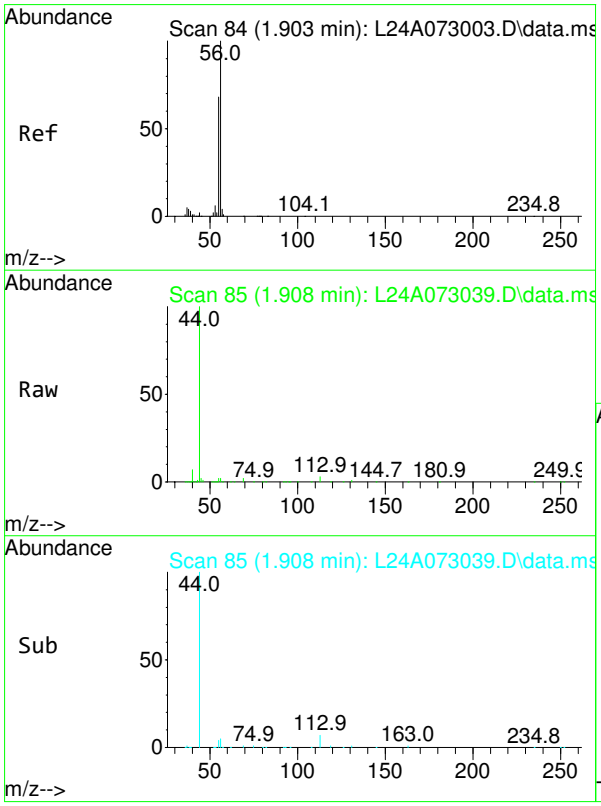


#3
DICHLORODIFLUOROMETHANE
Concen: 0.21 PPBV
RT: 1.524 min Scan# 10
Delta R.T. -0.011 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 85 Resp: 9862

Ion	Ratio	Lower	Upper
85	100		
87	31.4	12.0	52.0

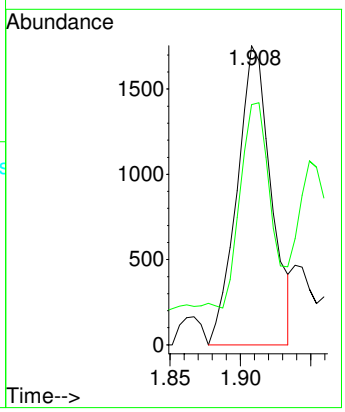


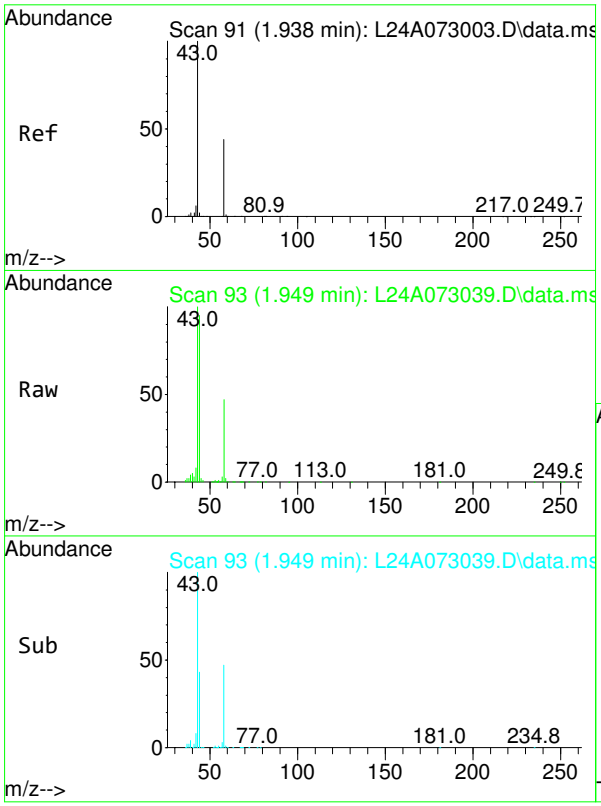


#10
ACROLEIN
Concen: 0.35 PPBV
RT: 1.908 min Scan# 85
Delta R.T. 0.005 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 56 Resp: 2946

Ion	Ratio	Lower	Upper
56	100		
55	60.4	51.4	91.4

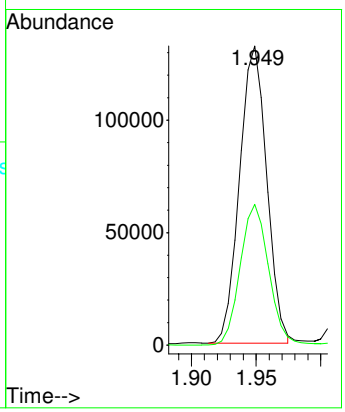


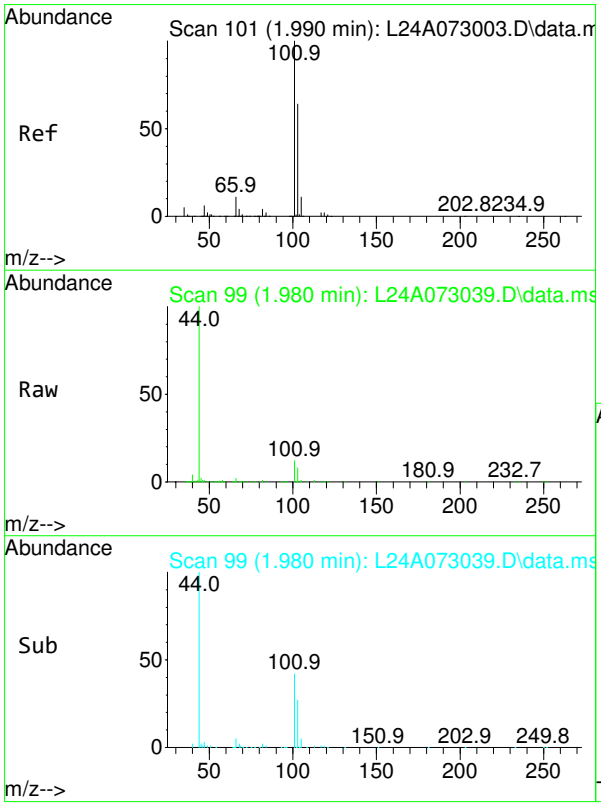


#11
ACETONE
Concen: 6.51 PPBV
RT: 1.949 min Scan# 93
Delta R.T. 0.010 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 193011

Ion	Ratio	Lower	Upper
43	100		
58	49.1	13.1	53.1

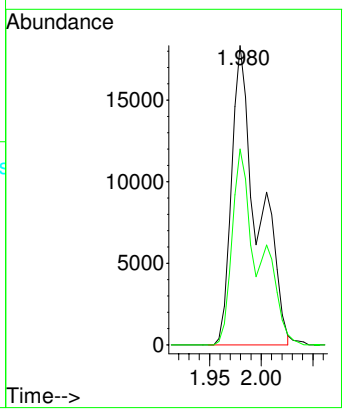


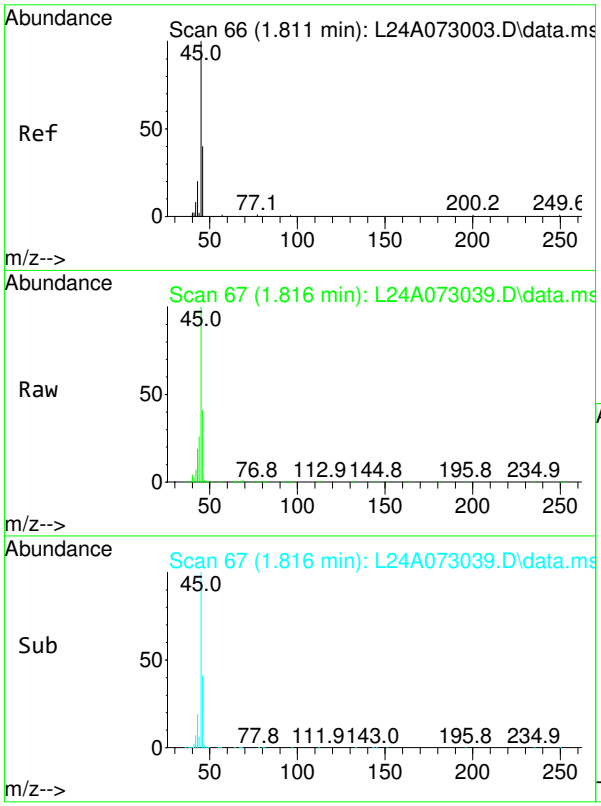


#12
TRICHLOROFLUOROMETHANE
Concen: 0.68 PPBV
RT: 1.980 min Scan# 99
Delta R.T. -0.007 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:101 Resp: 32420

Ion	Ratio	Lower	Upper
101	100		
103	65.7	44.7	84.7

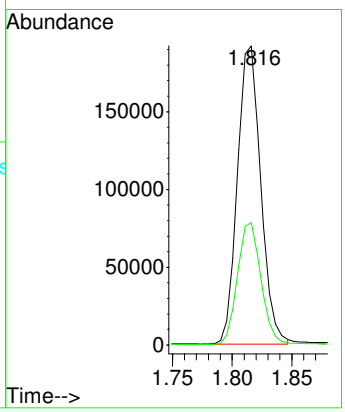


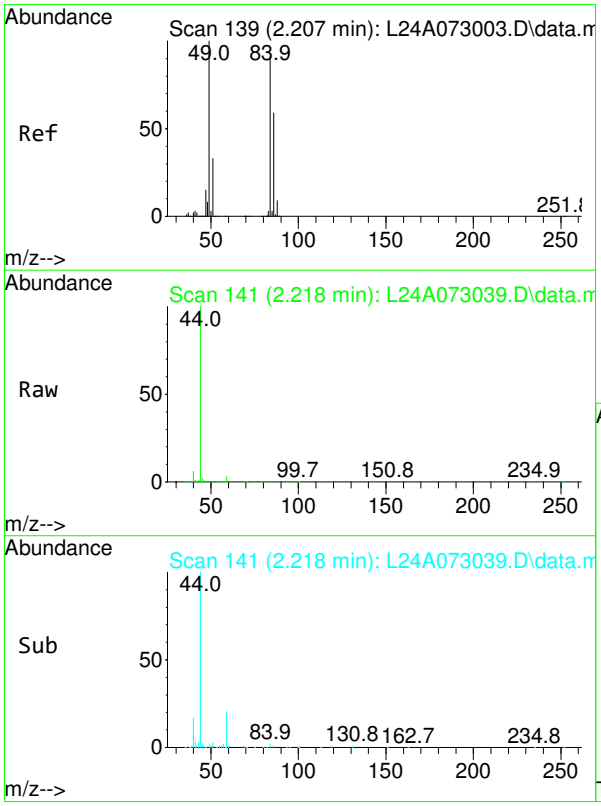


#13
ETHANOL
Concen: 56.72 PPBV
RT: 1.816 min Scan# 67
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 45 Resp: 259476

Ion	Ratio	Lower	Upper
45	100		
46	41.0	20.5	60.5

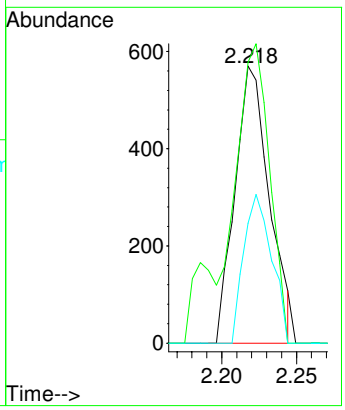


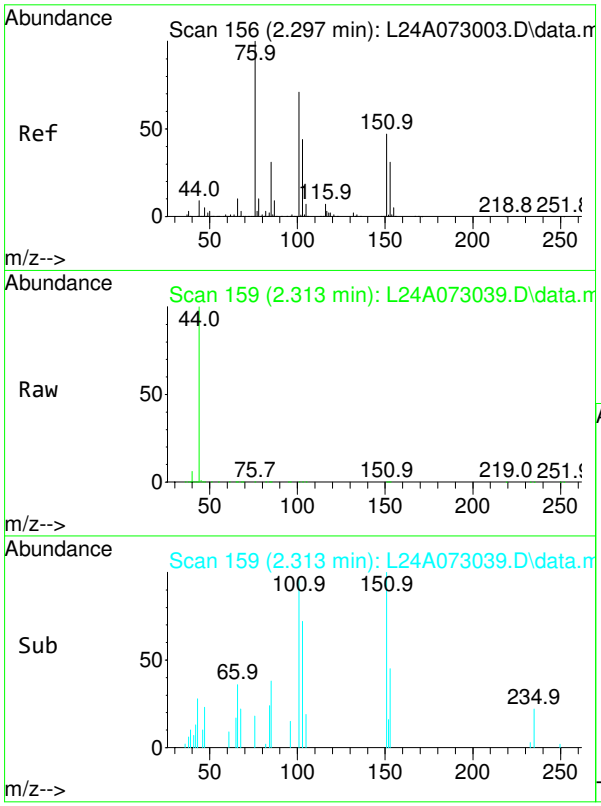


#15
METHYLENE CHLORIDE
Concen: 0.04 PPBV
RT: 2.218 min Scan# 141
Delta R.T. 0.010 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 49 Resp: 909

Ion	Ratio	Lower	Upper
49	100		
84	105.5	52.0	92.0#
86	43.6	27.3	67.3

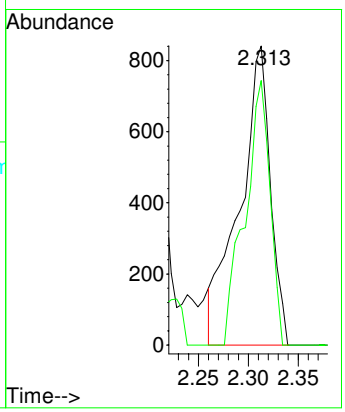


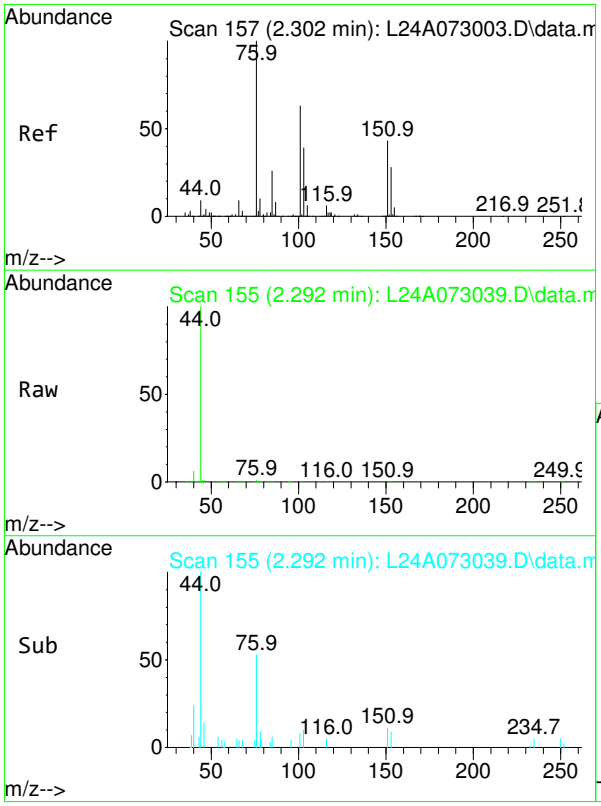


#16
FREON 113
Concen: 0.05 PPBV
RT: 2.313 min Scan# 159
Delta R.T. 0.012 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:101 Resp: 1812

Ion	Ratio	Lower	Upper
101	100		
151	71.4	52.3	92.3

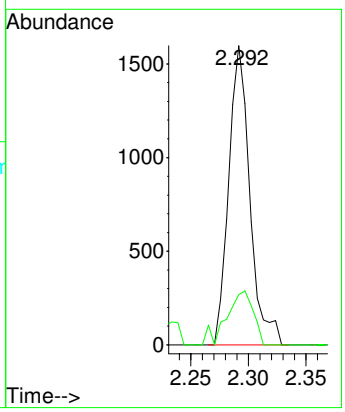


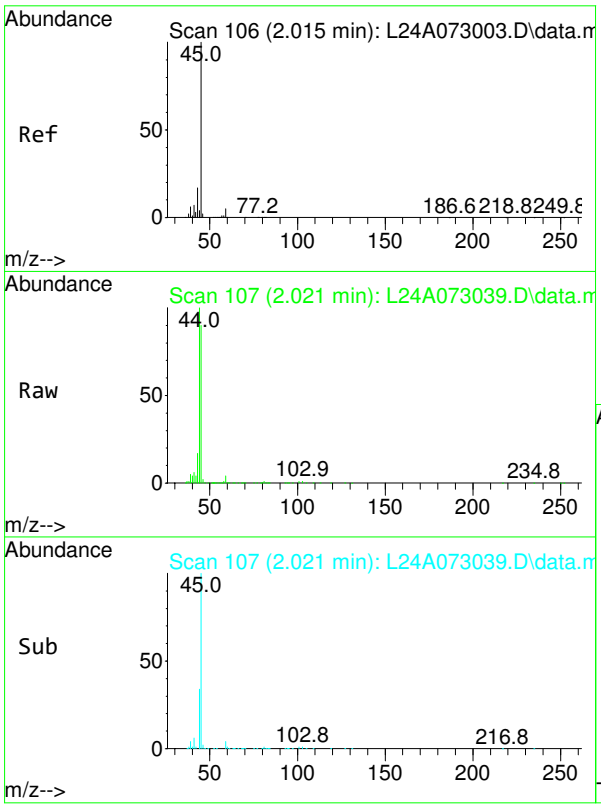


#17
CARBON DISULFIDE
Concen: 0.04 PPBV
RT: 2.292 min Scan# 155
Delta R.T. -0.009 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 76 Resp: 2026

Ion	Ratio	Lower	Upper
76	100		
78	22.9	0.0	31.1

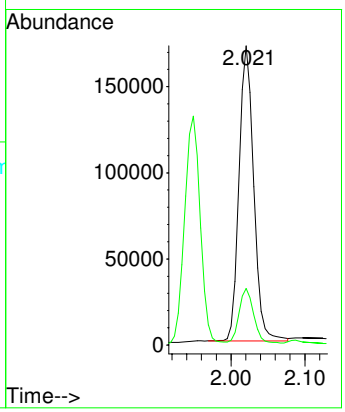


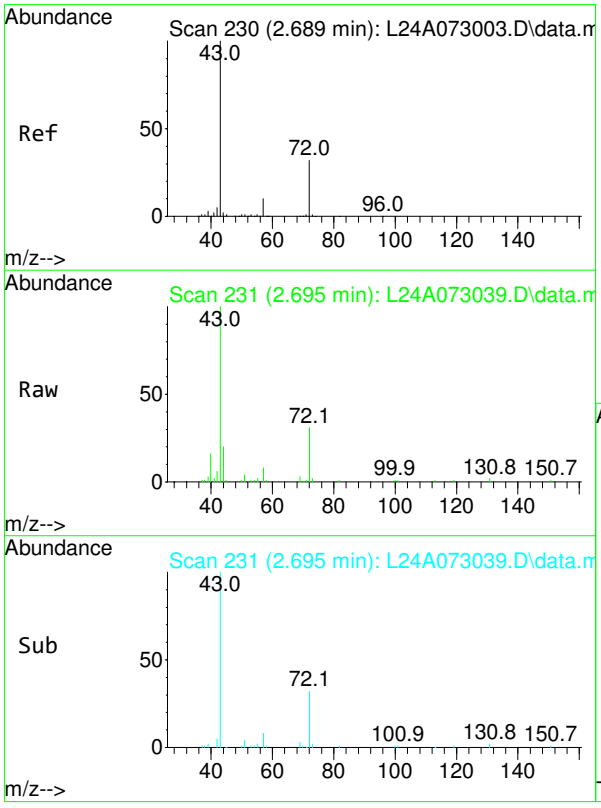


#21
IPA
Concen: 7.54 PPBV
RT: 2.021 min Scan# 107
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 45 Resp: 235021

Ion	Ratio	Lower	Upper
45	100		
43	18.1	0.0	39.3

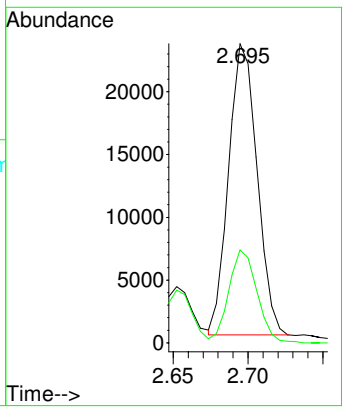


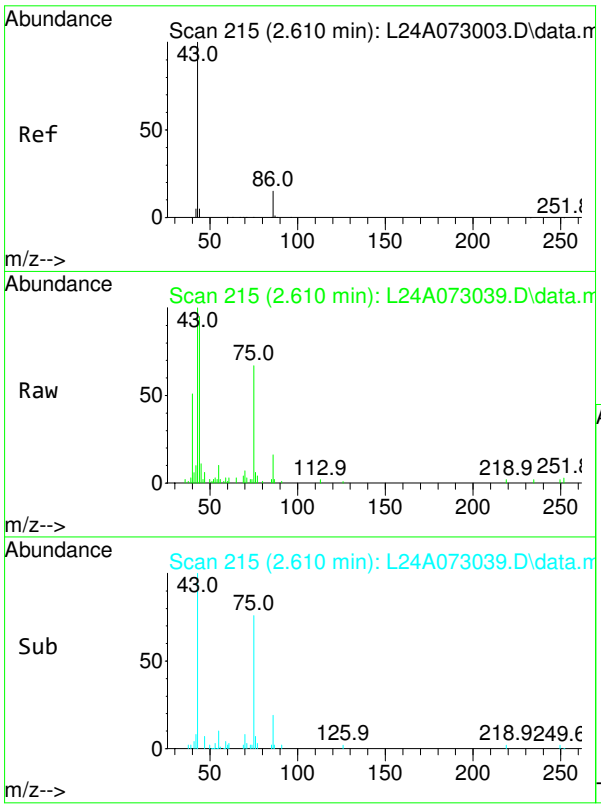


#22
2-BUTANONE(MEK)
Concen: 0.84 PPBV
RT: 2.695 min Scan# 231
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 30707

Ion	Ratio	Lower	Upper
43	100		
72	30.2	5.6	45.6

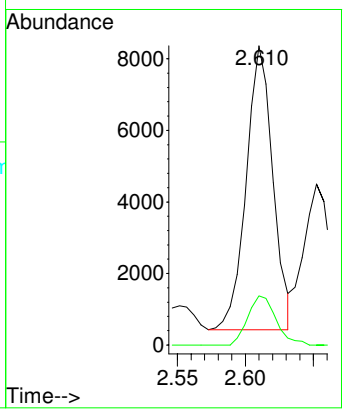


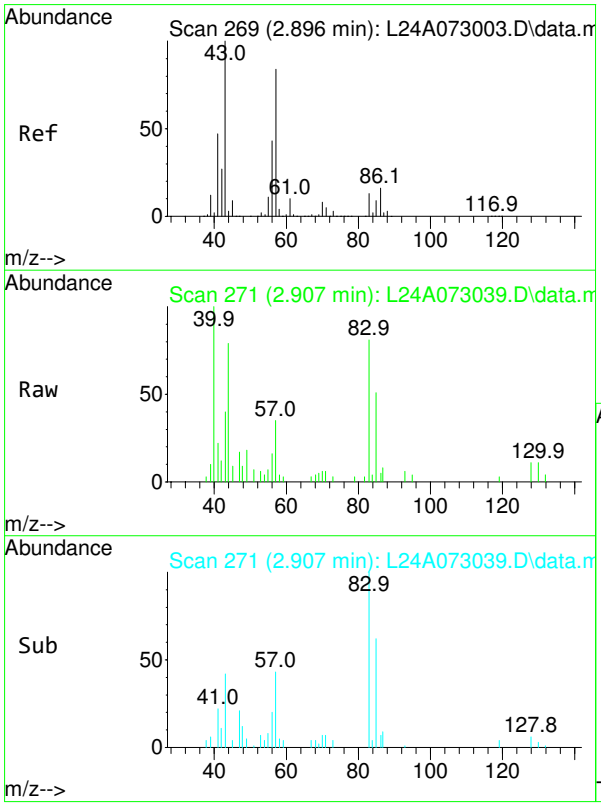


#24
VINYL ACETATE
Concen: 0.28 PPBV
RT: 2.610 min Scan# 215
Delta R.T. -0.001 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 10822

Ion	Ratio	Lower	Upper
43	100		
86	18.4	0.0	19.5

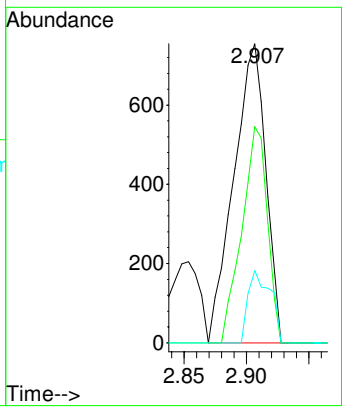


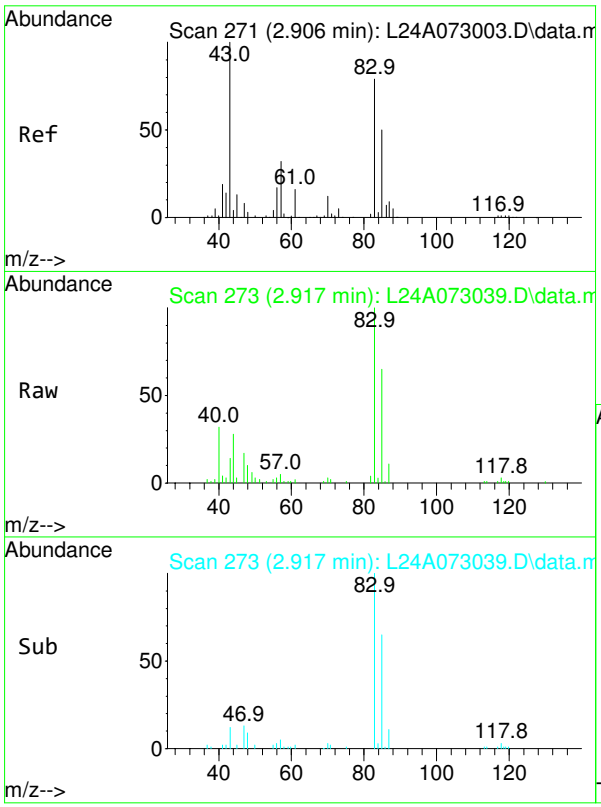


#25
HEXANE
Concen: 0.07 PPBV
RT: 2.907 min Scan# 271
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 41 Resp: 1346

Ion	Ratio	Lower	Upper
41	100		
56	57.6	52.3	92.3
86	16.9	16.1	36.1

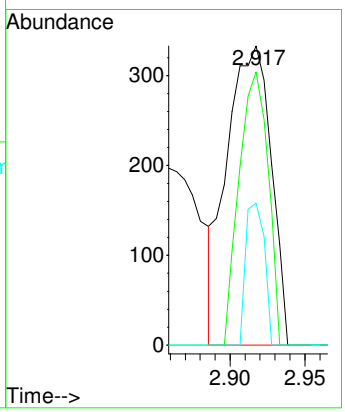


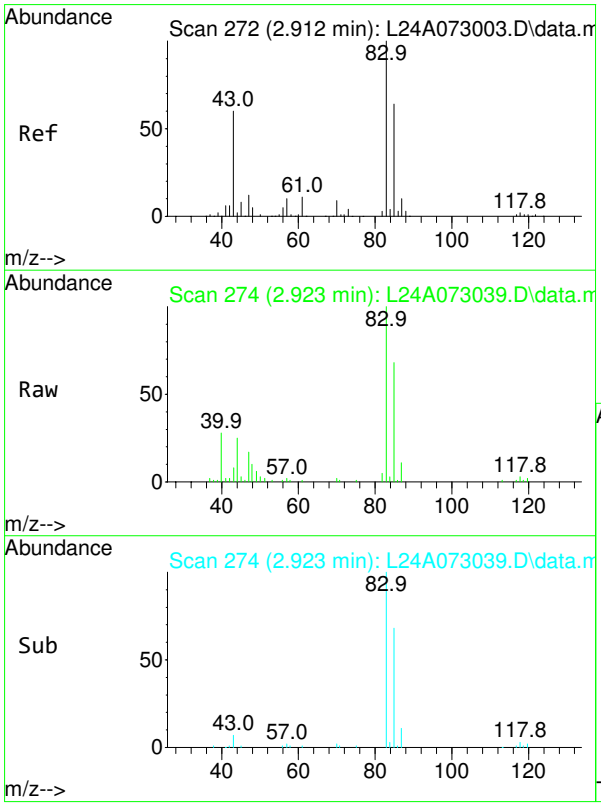


#26
ETHYL ACETATE
Concen: 0.11 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.013 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 45 Resp: 681

Ion	Ratio	Lower	Upper
45	100		
70	60.1	68.8	108.8#
61	20.1	83.3	123.3#

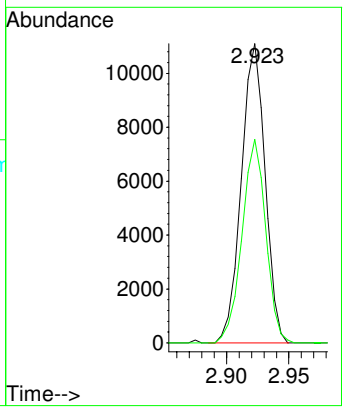


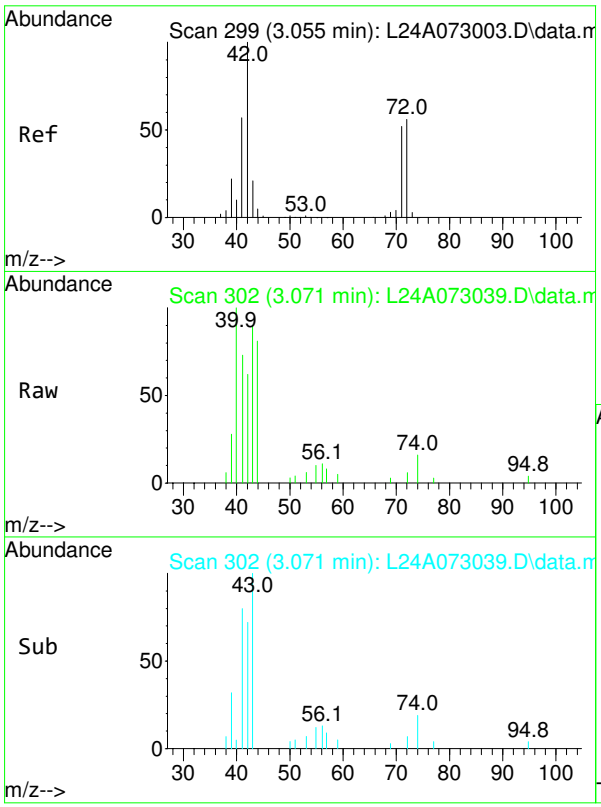


#27
CHLOROFORM
Concen: 0.39 PPBV
RT: 2.923 min Scan# 274
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 83 Resp: 14708

Ion	Ratio	Lower	Upper
83	100		
85	67.9	44.8	84.8

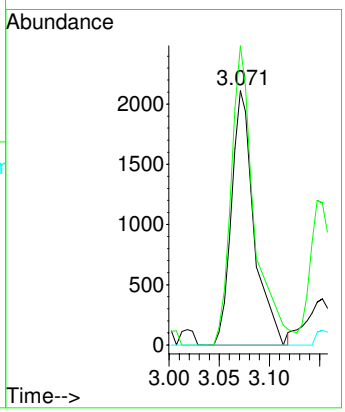


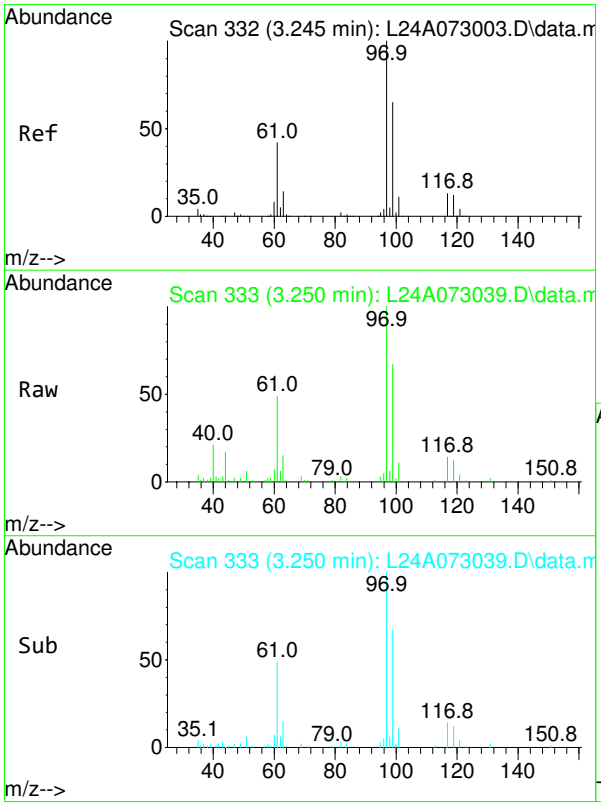


#28
TETRAHYDROFURAN
Concen: 0.16 PPBV
RT: 3.071 min Scan# 302
Delta R.T. 0.020 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 42 Resp: 3904

Ion	Ratio	Lower	Upper
42	100		
41	113.1	33.5	73.5#
71	0.0	24.0	64.0#

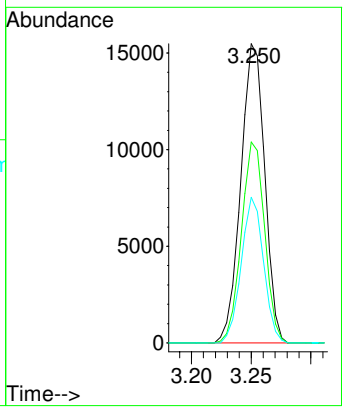


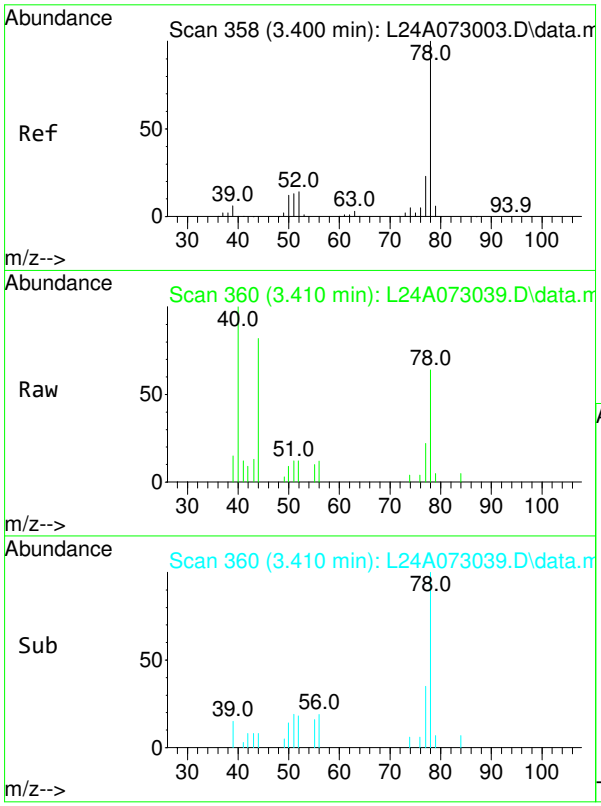


#31
1,1,1-TRICHLOROETHANE
Concen: 0.53 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 97 Resp: 21414

Ion	Ratio	Lower	Upper
97	100		
99	65.1	45.3	85.3
61	45.2	28.1	68.1

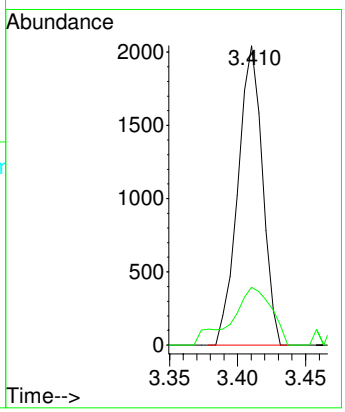


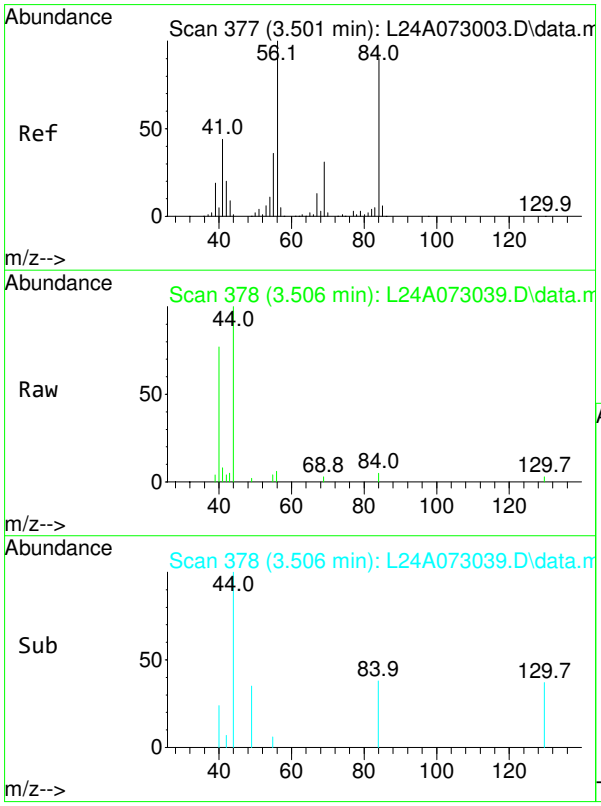


#32
BENZENE
Concen: 0.04 PPBV
RT: 3.410 min Scan# 360
Delta R.T. 0.006 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 78 Resp: 2567

Ion	Ratio	Lower	Upper
78	100		
51	31.7	0.0	37.7

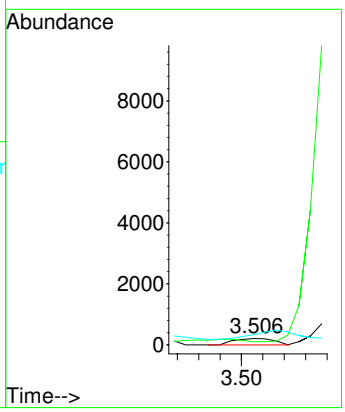


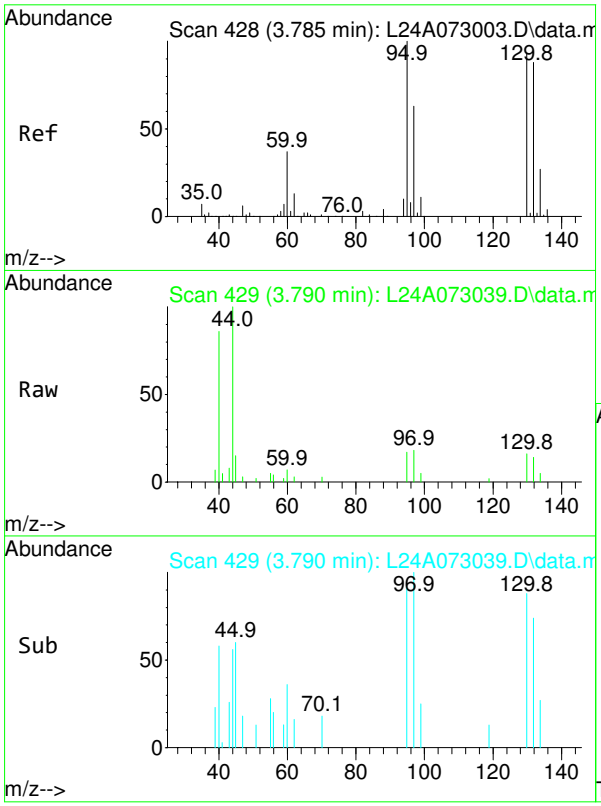


#34
CYCLOHEXANE
Concen: 0.01 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 84 Resp: 275

Ion	Ratio	Lower	Upper
84	100		
69	42.5	17.7	57.7
41	148.0	44.6	84.6#

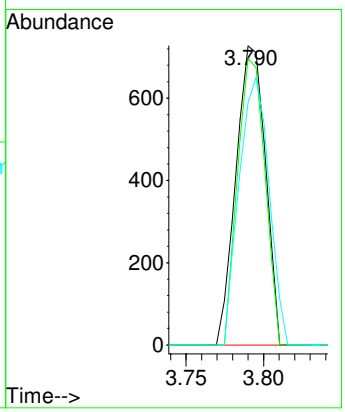


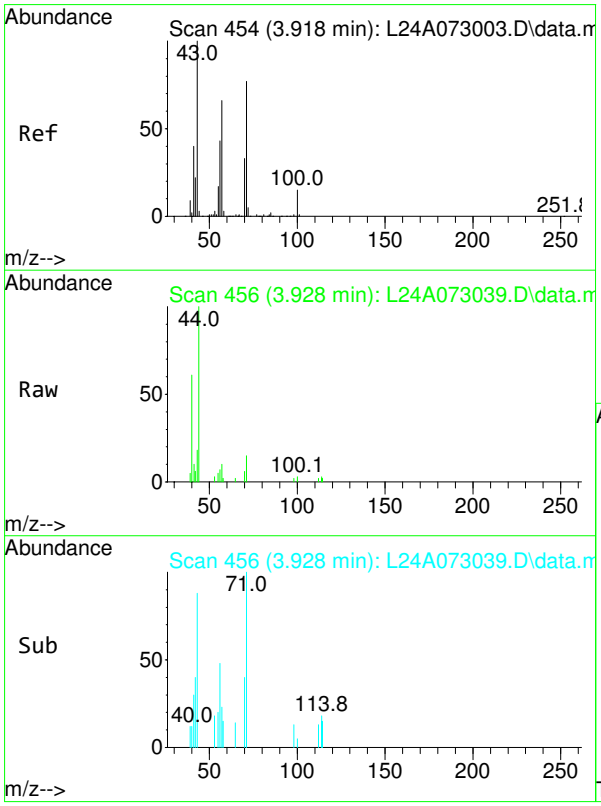


#37
TRICHLOROETHENE
Concen: 0.04 PPBV
RT: 3.790 min Scan# 429
Delta R.T. 0.002 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 95 Resp: 958

Ion	Ratio	Lower	Upper
95	100		
130	88.6	76.0	116.0
132	90.7	74.7	114.7

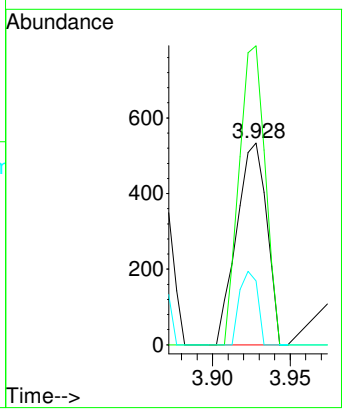


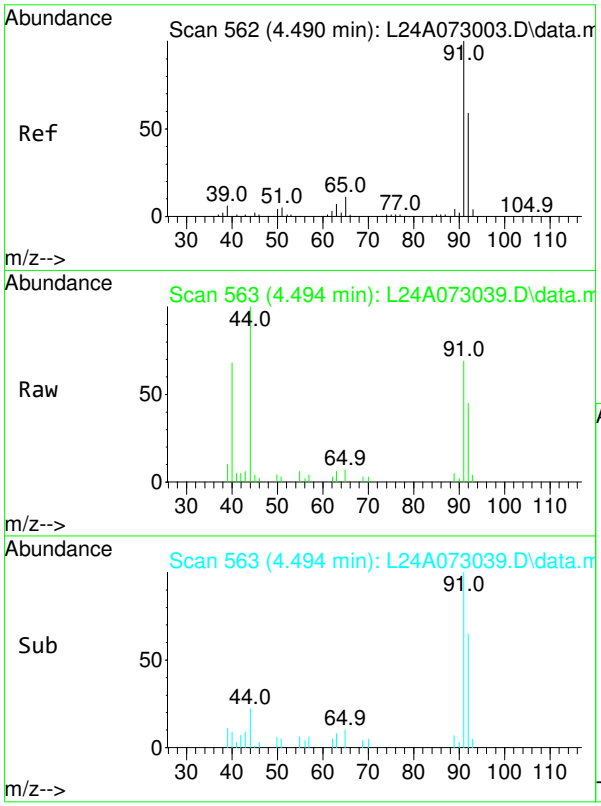


#40
HEPTANE
Concen: 0.04 PPBV
RT: 3.928 min Scan# 456
Delta R.T. 0.004 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 57 Resp: 721

Ion	Ratio	Lower	Upper
57	100		
71	127.9	87.9	127.9
100	21.6	4.4	44.4

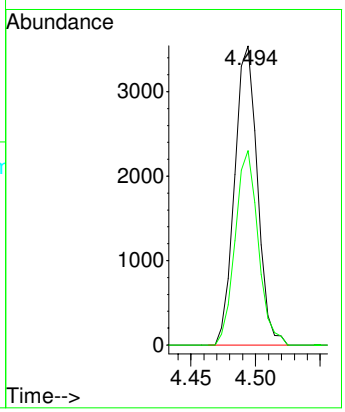


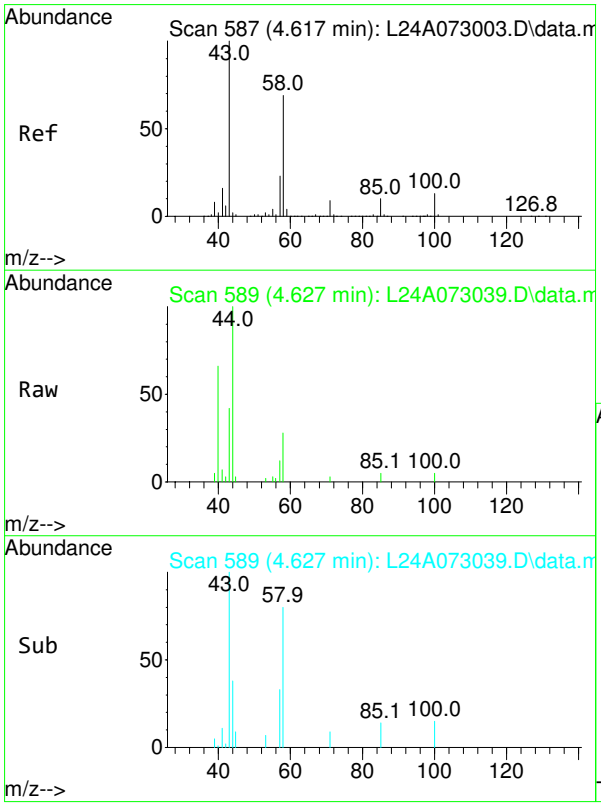


#46
TOLUENE
Concen: 0.06 PPBV
RT: 4.494 min Scan# 563
Delta R.T. 0.000 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 91 Resp: 4339

Ion	Ratio	Lower	Upper
91	100		
92	65.8	39.1	79.1

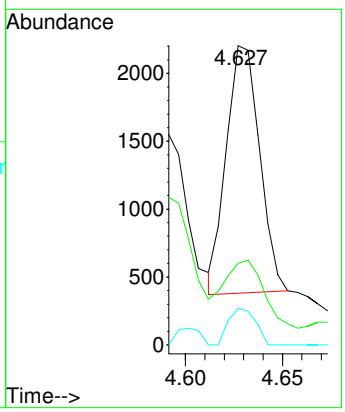


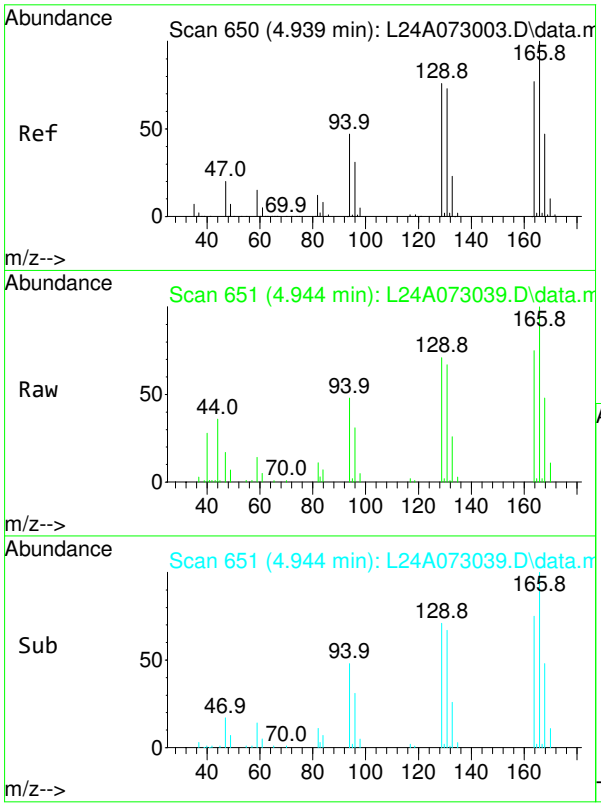


#47
2-HEXANONE(MBK)
Concen: 0.05 PPBV
RT: 4.627 min Scan# 589
Delta R.T. 0.007 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 43 Resp: 2179

Ion	Ratio	Lower	Upper
43	100		
57	26.7	0.0	39.5
100	12.0	1.7	21.7

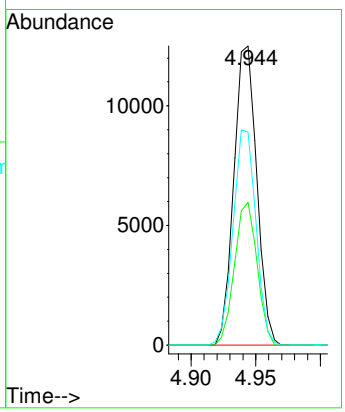


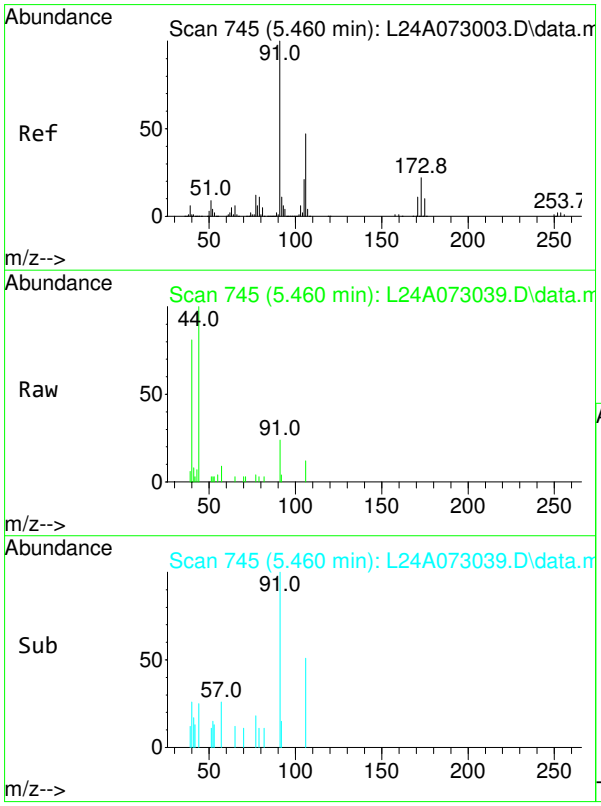


#50
TETRACHLOROETHENE
Concen: 0.51 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:166 Resp: 15414

Ion	Ratio	Lower	Upper
166	100		
168	46.9	28.8	68.8
129	72.0	56.6	96.6

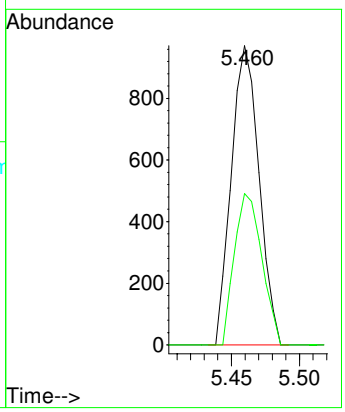


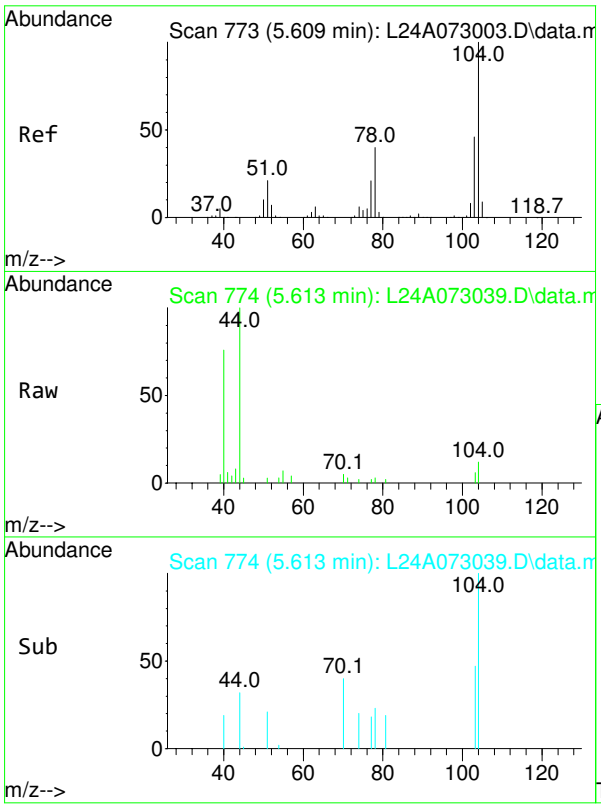


#53
M/P-XYLENE
Concen: 0.02 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 91 Resp: 1375

Ion	Ratio	Lower	Upper
91	100		
106	50.1	24.9	64.9

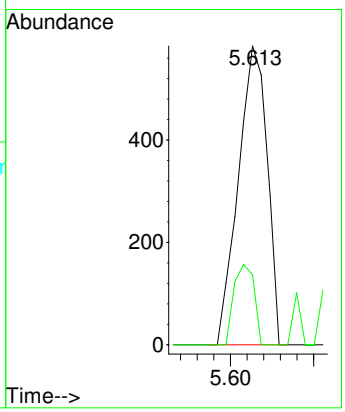


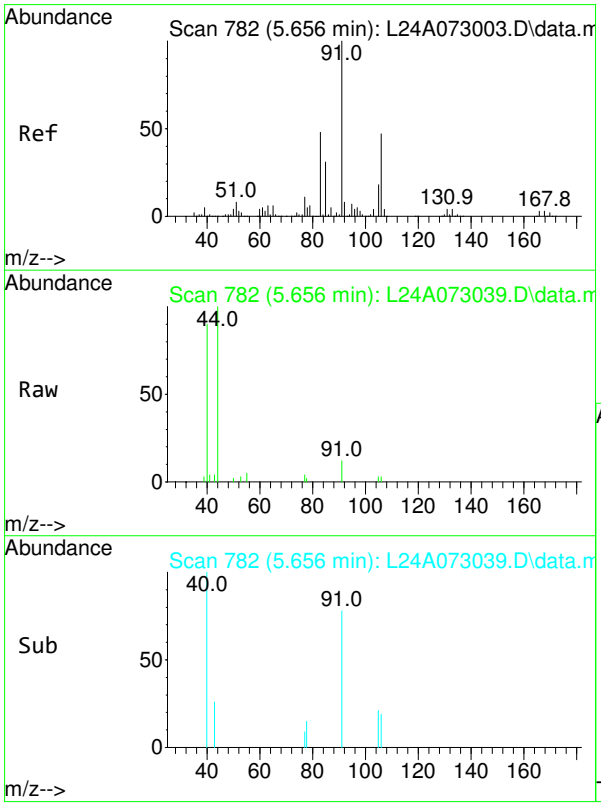


#55
STYRENE
Concen: 0.01 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:104 Resp: 703

Ion	Ratio	Lower	Upper
104	100		
78	18.9	24.7	64.7#

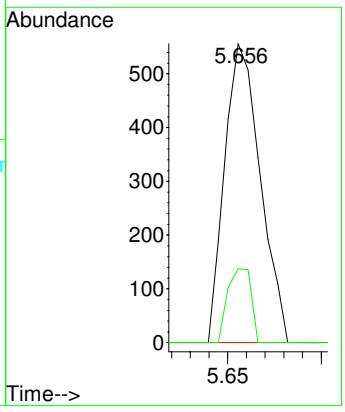


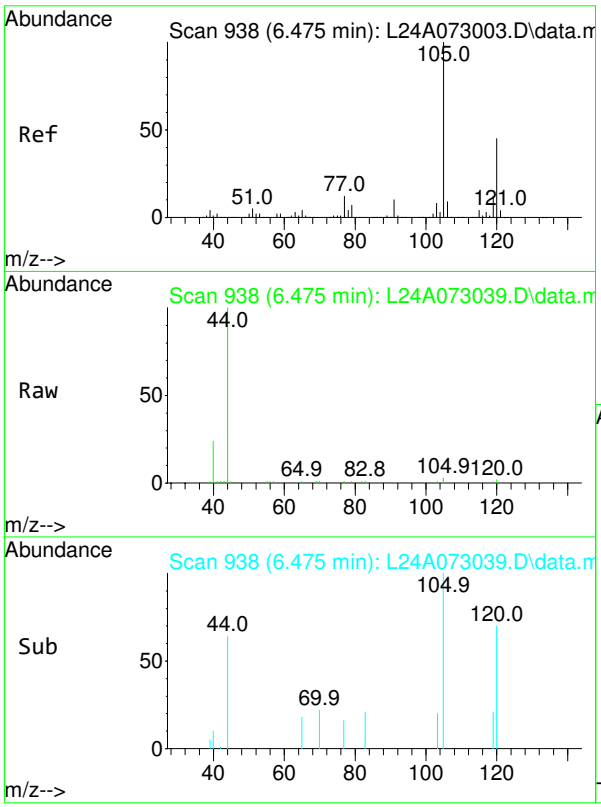


#56
O-XYLENE
Concen: 0.01 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 91 Resp: 736

Ion	Ratio	Lower	Upper
91	100		
106	16.3	25.4	65.4#

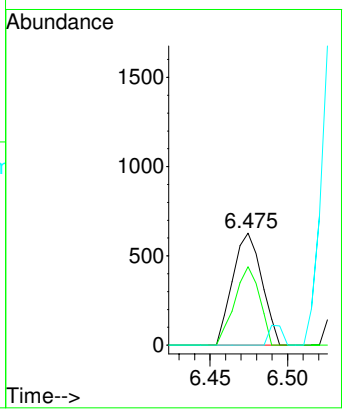


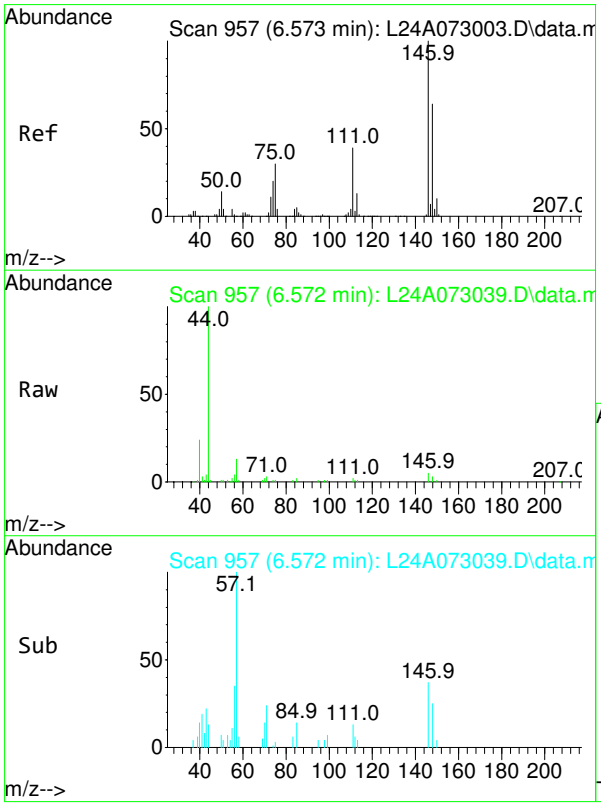


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.01 PPBV
RT: 6.475 min Scan# 938
Delta R.T. -0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:105 Resp: 822

Ion	Ratio	Lower	Upper
105	100		
120	59.7	24.0	64.0
207	0.0	0.0	20.0

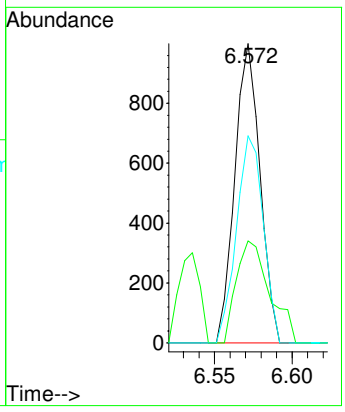


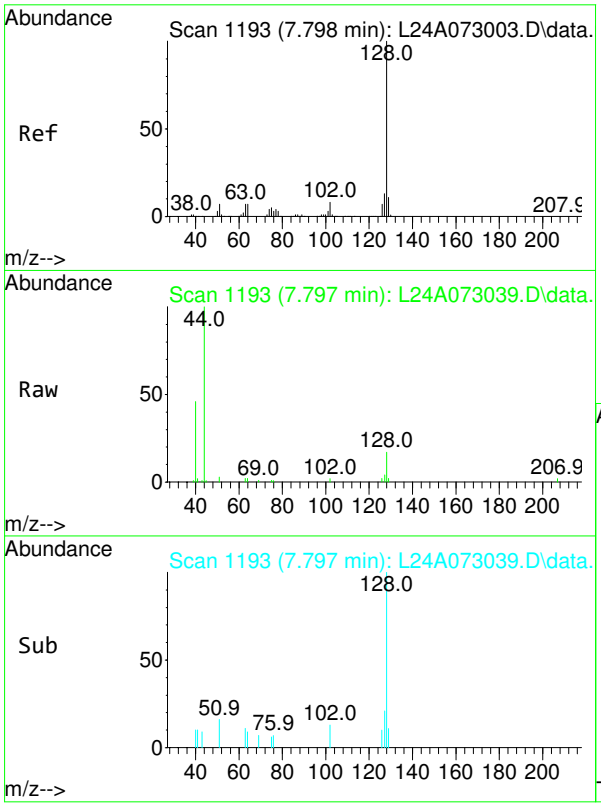


#64
1,4-DICHLOROBENZENE
Concen: 0.03 PPBV
RT: 6.572 min Scan# 957
Delta R.T. -0.005 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:146 Resp: 1132

Ion	Ratio	Lower	Upper
146	100		
111	45.0	20.5	60.5
148	73.3	44.9	84.9

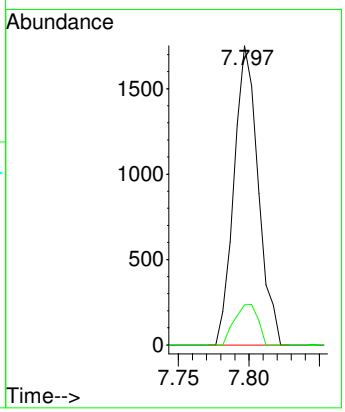


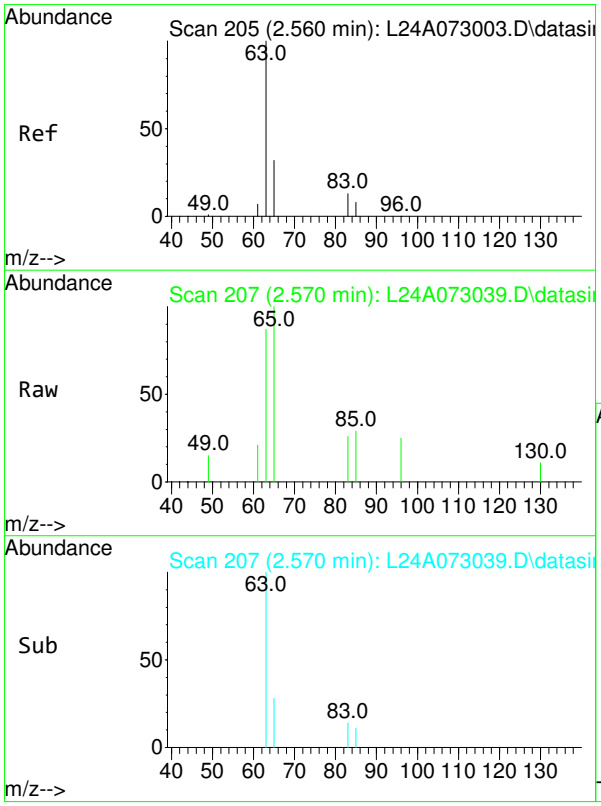


#67
NAPHTHALENE
Concen: 0.03 PPBV
RT: 7.797 min Scan# 1193
Delta R.T. -0.006 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion:128 Resp: 2092

Ion	Ratio	Lower	Upper
128	100		
102	13.0	0.0	29.2

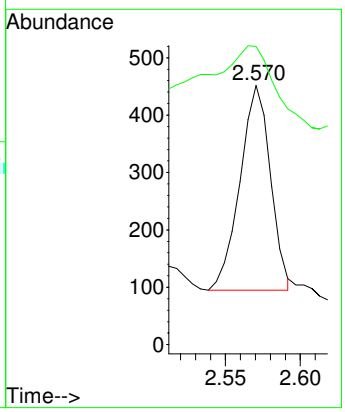


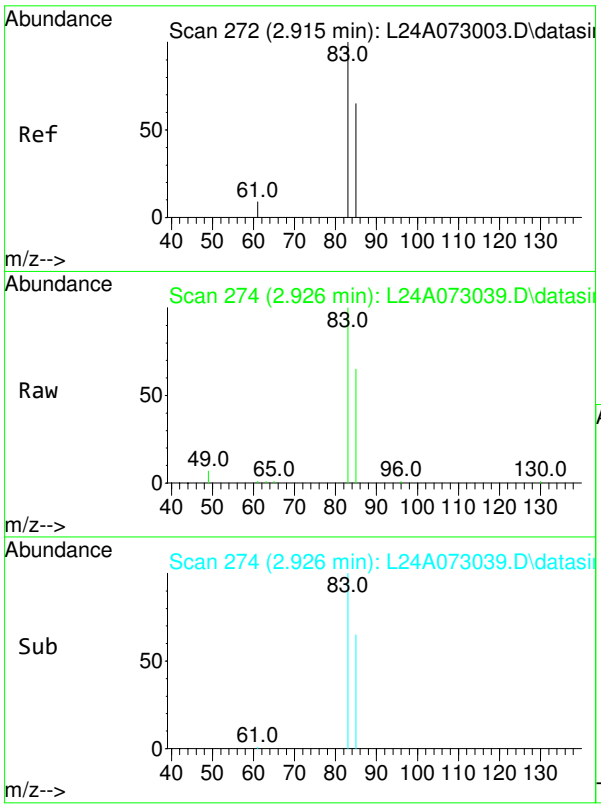


#73
1,1-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 2.570 min Scan# 207
Delta R.T. 0.011 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 63 Resp: 504

Ion	Ratio	Lower	Upper
63	100		
65	58.7	11.5	51.5#

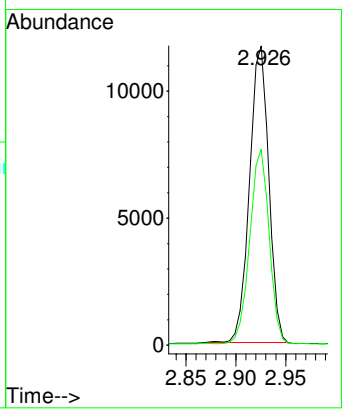


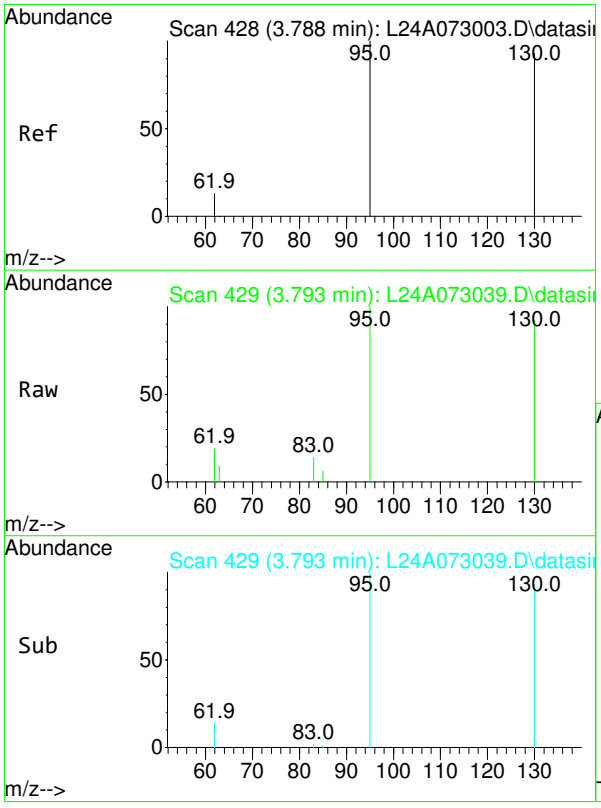


#75
CHLOROFORM (SIM)
Concen: 0.39 PPBV
RT: 2.926 min Scan# 274
Delta R.T. 0.008 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 83 Resp: 15630

Ion	Ratio	Lower	Upper
83	100		
85	65.8	45.0	85.0

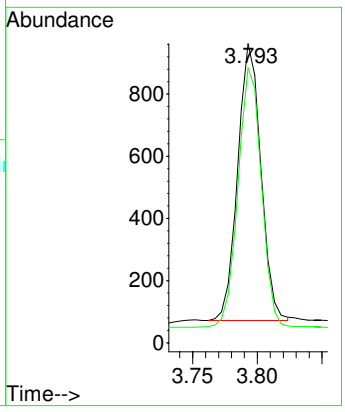




#81
TRICHLOROETHENE (SIM)
Concen: 0.04 PPBV
RT: 3.793 min Scan# 429
Delta R.T. 0.003 min
Lab File: L24A073039.D
Acq: 14 Mar 2024 05:23 am

Tgt Ion: 95 Resp: 1107

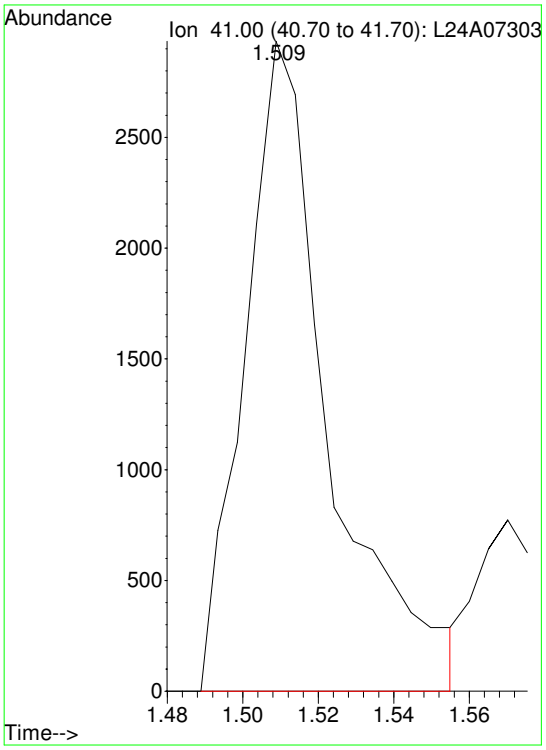
Ion	Ratio	Lower	Upper
95	100		
130	94.7	74.5	114.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

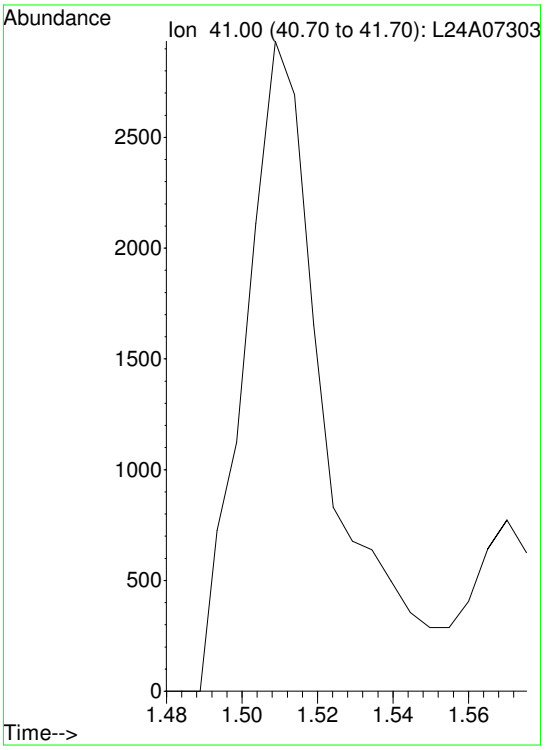
RT : 1.51
Area : 4509
Amount: 0.418983

Manual Int. Results

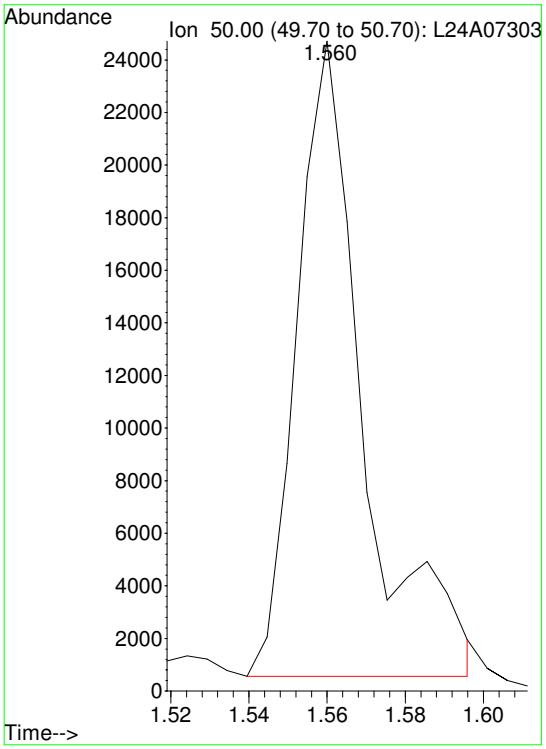
Fri Mar 15 11:26:34 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

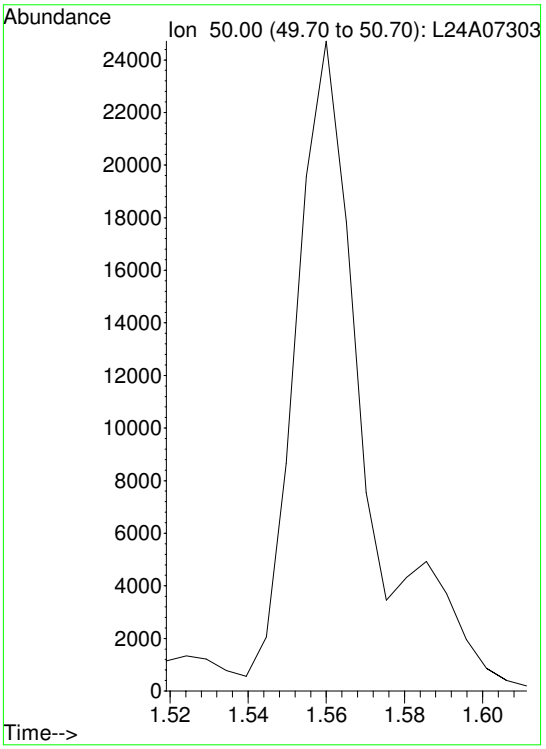
RT : 1.56
Area : 28437
Amount: 1.76489

Manual Int. Results

Fri Mar 15 11:26:38 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

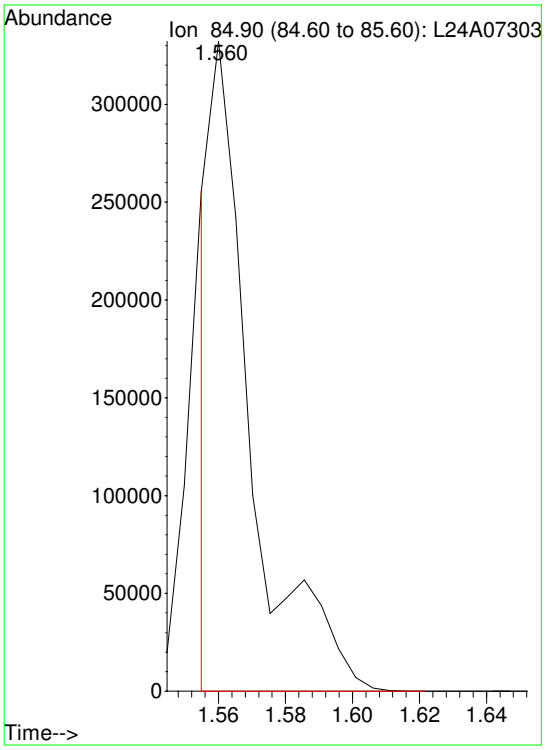
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

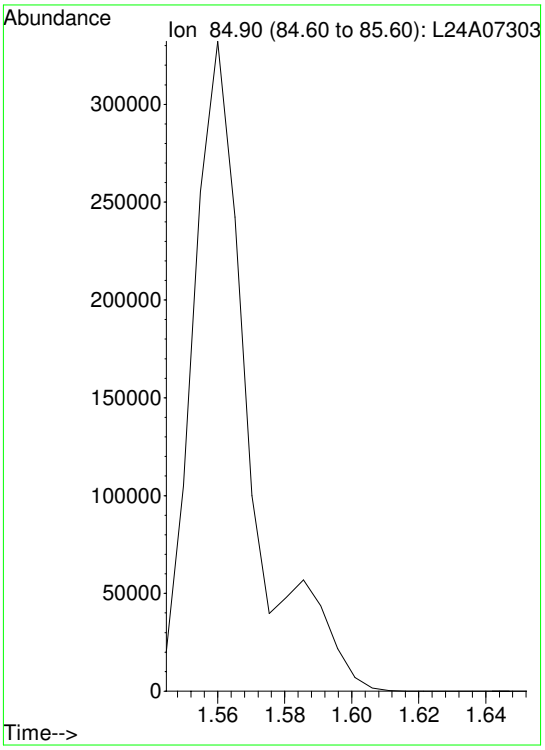
RT : 1.56
Area : 274492
Amount: 5.8242

Manual Int. Results

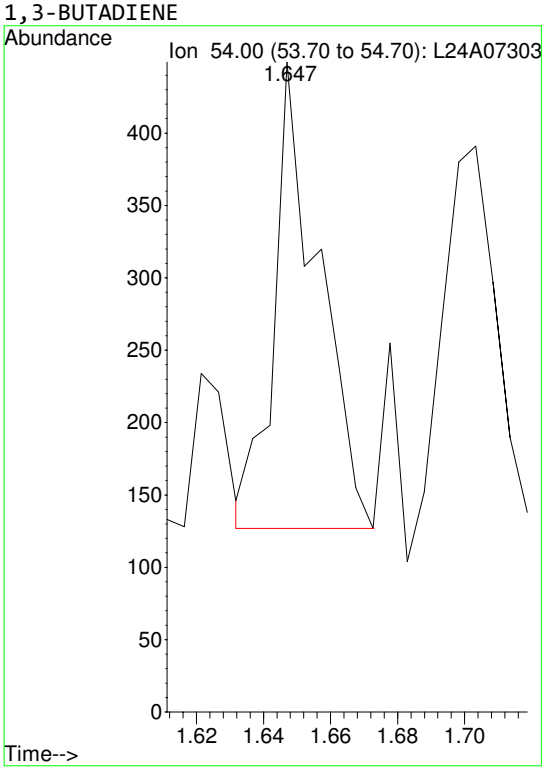
Fri Mar 15 11:26:41 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

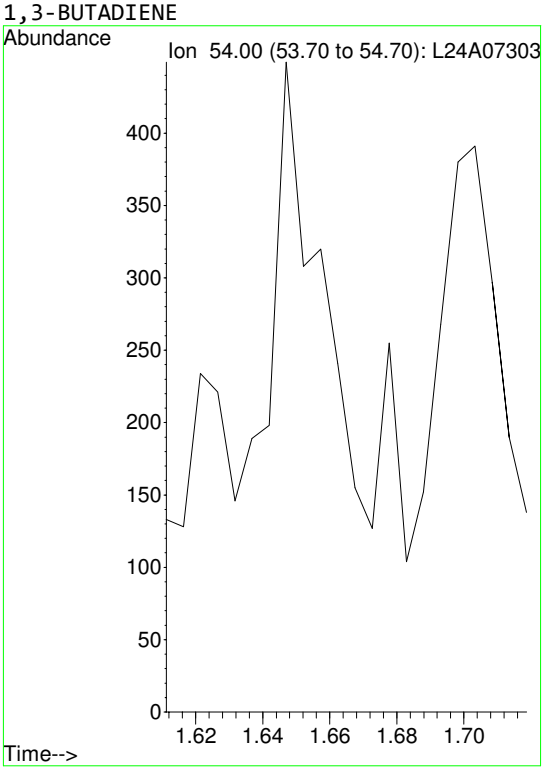
RT : 1.65
Area : 298
Amount: 0.0204746

Manual Int. Results

Fri Mar 15 11:26:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

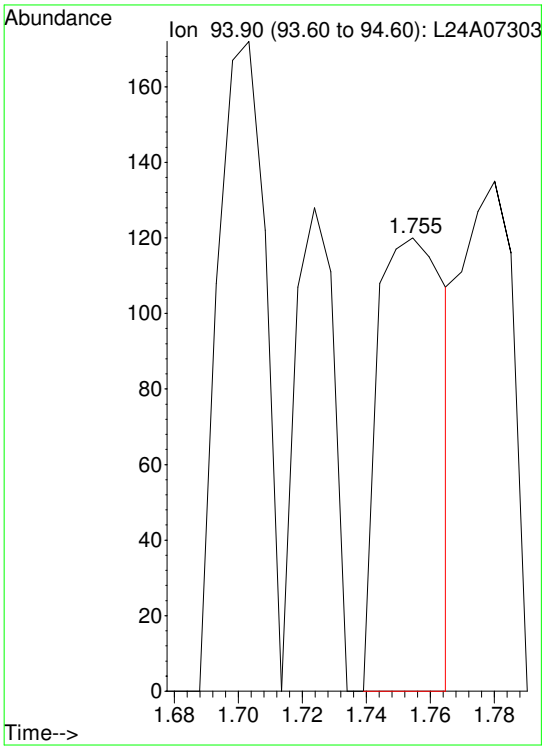
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

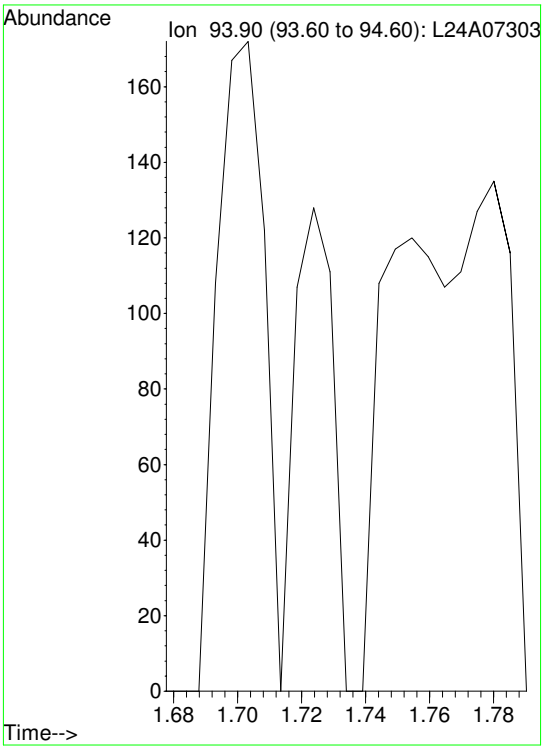
RT : 1.75
Area : 174
Amount: 0.0104443

Manual Int. Results

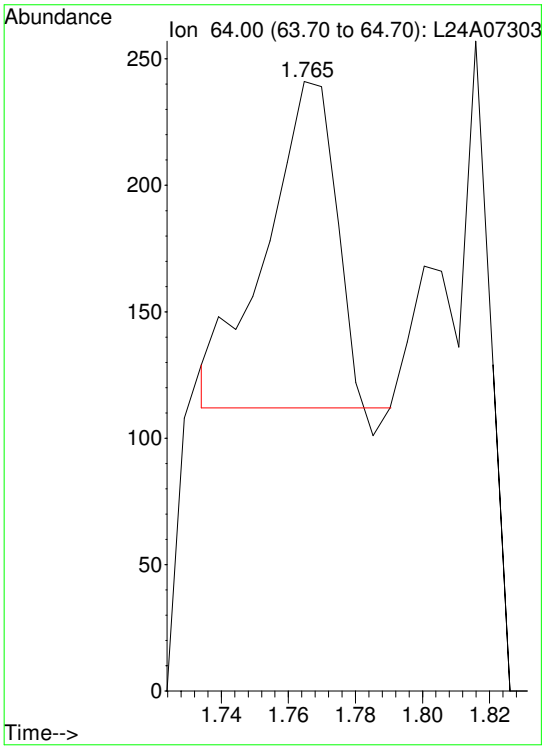
Fri Mar 15 11:26:49 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

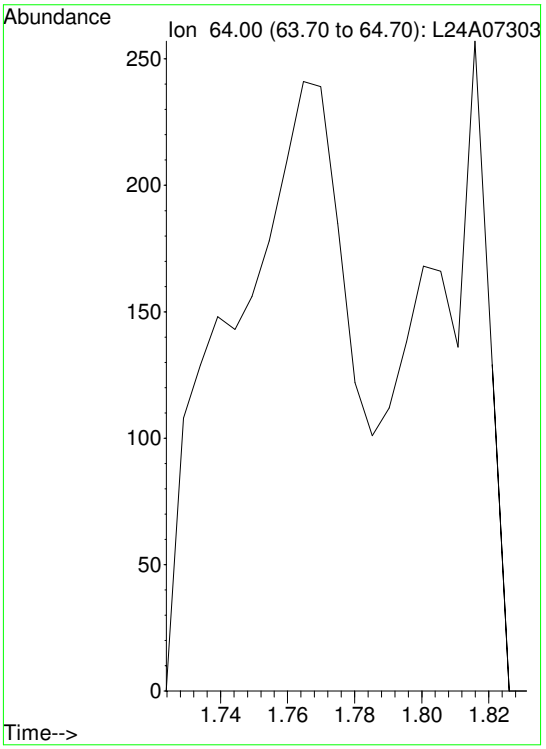
RT : 1.76
Area : 185
Amount: 0.017014

Manual Int. Results

Fri Mar 15 11:26:52 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

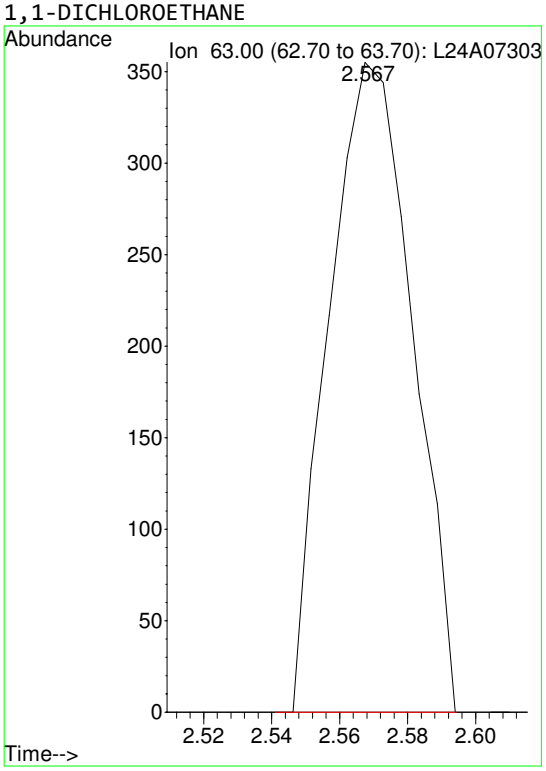
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

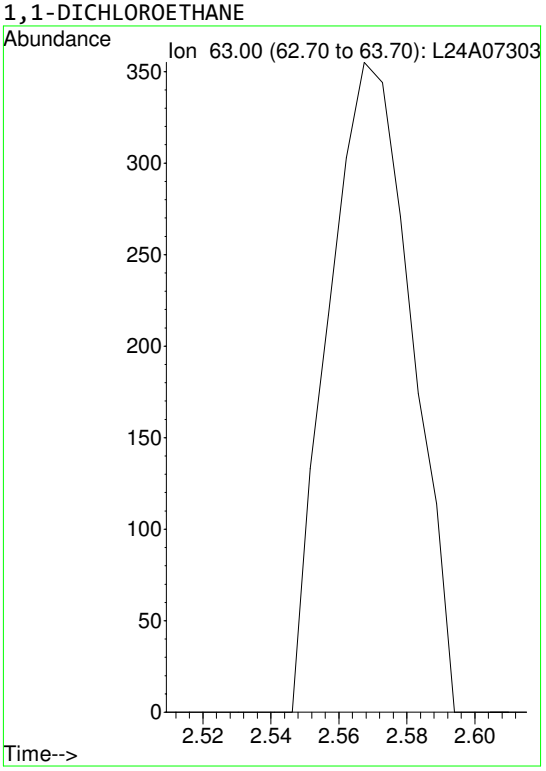
RT : 2.57
Area : 608
Amount: 0.0165301

Manual Int. Results

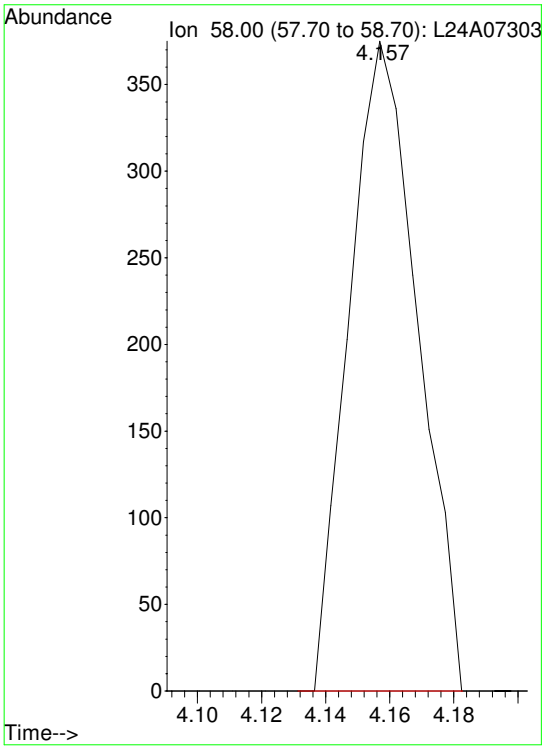
Fri Mar 15 11:27:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
MIBK



Original Int. Results

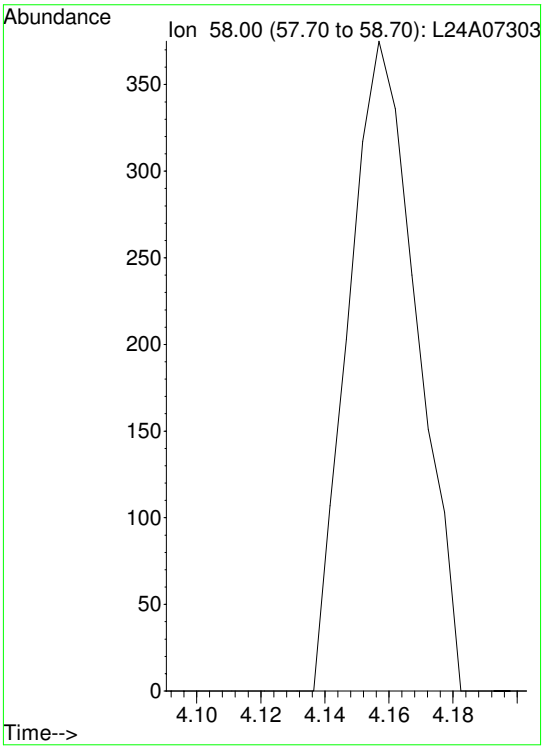
RT : 4.16
Area : 562
Amount: 0.0295112

Manual Int. Results

Fri Mar 15 11:27:18 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

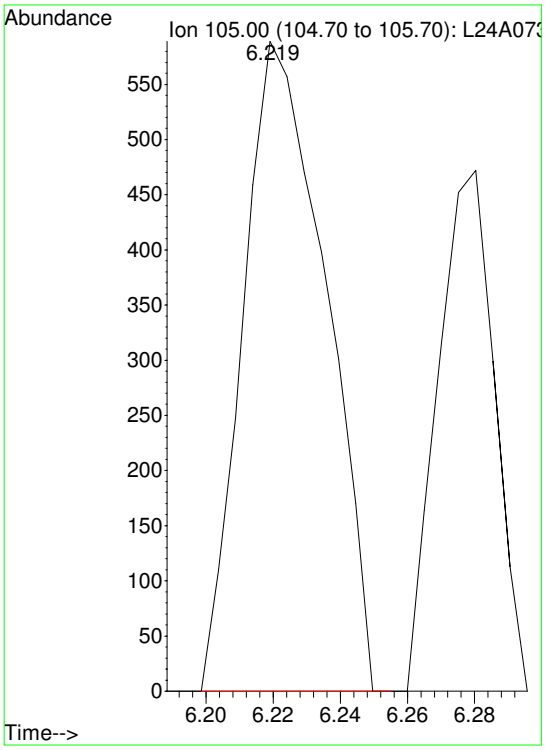
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073039.D
Acq On : 14 Mar 2024 05:23 am
Operator : CMR
Sample : 24C0251-03 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:27:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
4-ETHYLTOLUENE



Original Int. Results

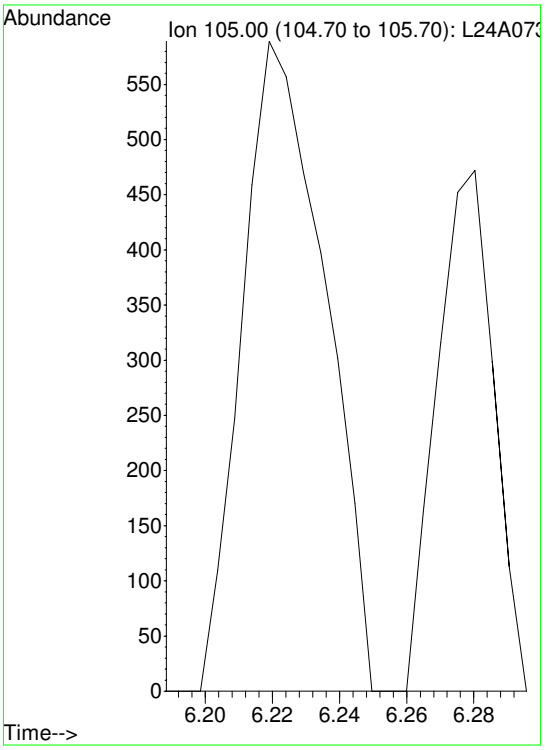
RT : 6.22
Area : 1012
Amount: 0.0112407

Manual Int. Results

Fri Mar 15 11:27:31 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-04	File ID:	L24A073030.D
Sampled:	02/28/24 19:38	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 00:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	24	0.71	1.4	
71-43-2	Benzene	0.19	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	4.7	0.68	1.4	
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.070	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.067	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.033	0.017	0.035	J
67-66-3	Chloroform (SIM)	0.039	0.0018	0.0070	
74-87-3	Chloromethane	0.76	0.047	0.070	
110-82-7	Cyclohexane	0.070	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	2.3	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.77	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.072	0.013	0.035	
107-62-2	1,2-Dichloroethane (SIM)	0.070	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-04	File ID:	L24A073030.D
Sampled:	02/28/24 19:38	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 00:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)	0.0097	0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.42	0.014	0.035	
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	1500	0.92	1.4	E
141-78-6	Ethyl Acetate	0.93	0.14	0.35	
100-41-4	Ethylbenzene	0.084	0.012	0.035	
622-96-8	4-Ethyltoluene	0.33	0.015	0.035	
142-82-5	Heptane	0.31	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)	0.10	0.015	0.035	
67-63-0	Isopropanol	170	0.73	1.4	E
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.022	0.017	0.035	J
75-09-2	Methylene Chloride	0.15	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.038	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.15	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-3-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-04	File ID:	L24A073030.D
Sampled:	02/28/24 19:38	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 00:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran	0.27	0.13	0.35	J
108-88-3	Toluene	0.67	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.24	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.11	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	2.5	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.88	0.027	0.035	
108-05-4	Vinyl Acetate	0.88	0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.19	0.024	0.070	
95-47-6	o-Xylene	0.17	0.013	0.035	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073030.D Vial: 26
Acq On : 14 Mar 2024 12:50 am Operator: CMR
Sample : 24C0251-04 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:56 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073030.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	206552	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.537	114	616029	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	573033	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	226413	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	656919	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	627423	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.853	174	293417	7.439	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.00%			
87) 4-BROMOFLUOROBENZENE (...	5.856	174	313235	7.798	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 97.50%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	50555	1.107	PPBV	98
4) CHLOROMETHANE	1.570	50	17277	1.097	PPBV	99
5) FREON 114	1.570	85	27846	0.604	PPBV #	45
10) ACROLEIN	1.897	56	9589	1.170	PPBV	91
11) ACETONE	1.933	43	1009400	34.836	PPBV	78
12) TRICHLOROFLUOROMETHANE	1.989	101	16366	0.349	PPBV	94
13) ETHANOL	1.805	45	9673643	2162.713	PPBV	89
15) METHYLENE CHLORIDE	2.206	49	4705	0.209	PPBV #	79
16) FREON 113	2.297	101	6018	0.162	PPBV	98
17) CARBON DISULFIDE	2.297	76	2501	0.047	PPBV	87
20) MTBE	2.583	73	1681	0.031	PPBV	68
21) IPA	2.005	45	7511704	246.411	PPBV	98
22) 2-BUTANONE(MEK)	2.684	43	242373	6.795	PPBV	86
24) VINYL ACETATE	2.599	43	47526	1.258	PPBV	77
25) HEXANE	2.901	41	3668	0.191	PPBV	96
26) ETHYL ACETATE	2.901	45	8205	1.330	PPBV	90
27) CHLOROFORM	2.912	83	1761	0.047	PPBV #	56
28) TETRAHYDROFURAN	3.049	42	9289	0.395	PPBV #	79
29) 1,2-DICHLOROETHANE	3.153	62	2600	0.103	PPBV	95
32) BENZENE	3.405	78	15180	0.272	PPBV	92
33) CARBON TETRACHLORIDE	3.458	117	3960	0.101	PPBV	93
34) CYCLOHEXANE	3.506	84	2327	0.100	PPBV	93
39) METHYLMETHACRYLATE	3.877	69	2662	0.137	PPBV #	81
40) HEPTANE	3.918	57	7733	0.439	PPBV	94
46) TOLUENE	4.490	91	65167	0.969	PPBV	98
47) 2-HEXANONE(MBK)	4.617	43	6434m	0.150	PPBV	
50) TETRACHLOROETHENE	4.940	166	915	0.031	PPBV	83
52) ETHYLBENZENE	5.381	91	10113	0.120	PPBV	99
53) M/P-XYLENE	5.456	91	19057	0.274	PPBV	89
55) STYRENE	5.609	104	10177	0.213	PPBV	97
56) O-XYLENE	5.657	91	16387	0.240	PPBV	99
59) 4-ETHYLTOLUENE	6.231	105	42316m	0.474	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.278	105	95452	1.263	PPBV	97
61) 1,2,4-TRIMETHYLBENZENE	6.472	105	264703	3.618	PPBV	100
64) 1,4-DICHLOROBENZENE	6.569	146	135951	3.272	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.740	180	357	0.013	PPBV #	76
67) NAPHTHALENE	7.797	128	3696	0.054	PPBV	91
75] CHLOROFORM (SIM)	2.914	83	2245	0.056	PPBV	94
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	2645	0.100	PPBV	99
78] CARBON TETRACHLORIDE (...	3.456	117	4182	0.096	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073030.D Vial: 26
Acq On : 14 Mar 2024 12:50 am Operator: CMR
Sample : 24C0251-04 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:56 2024

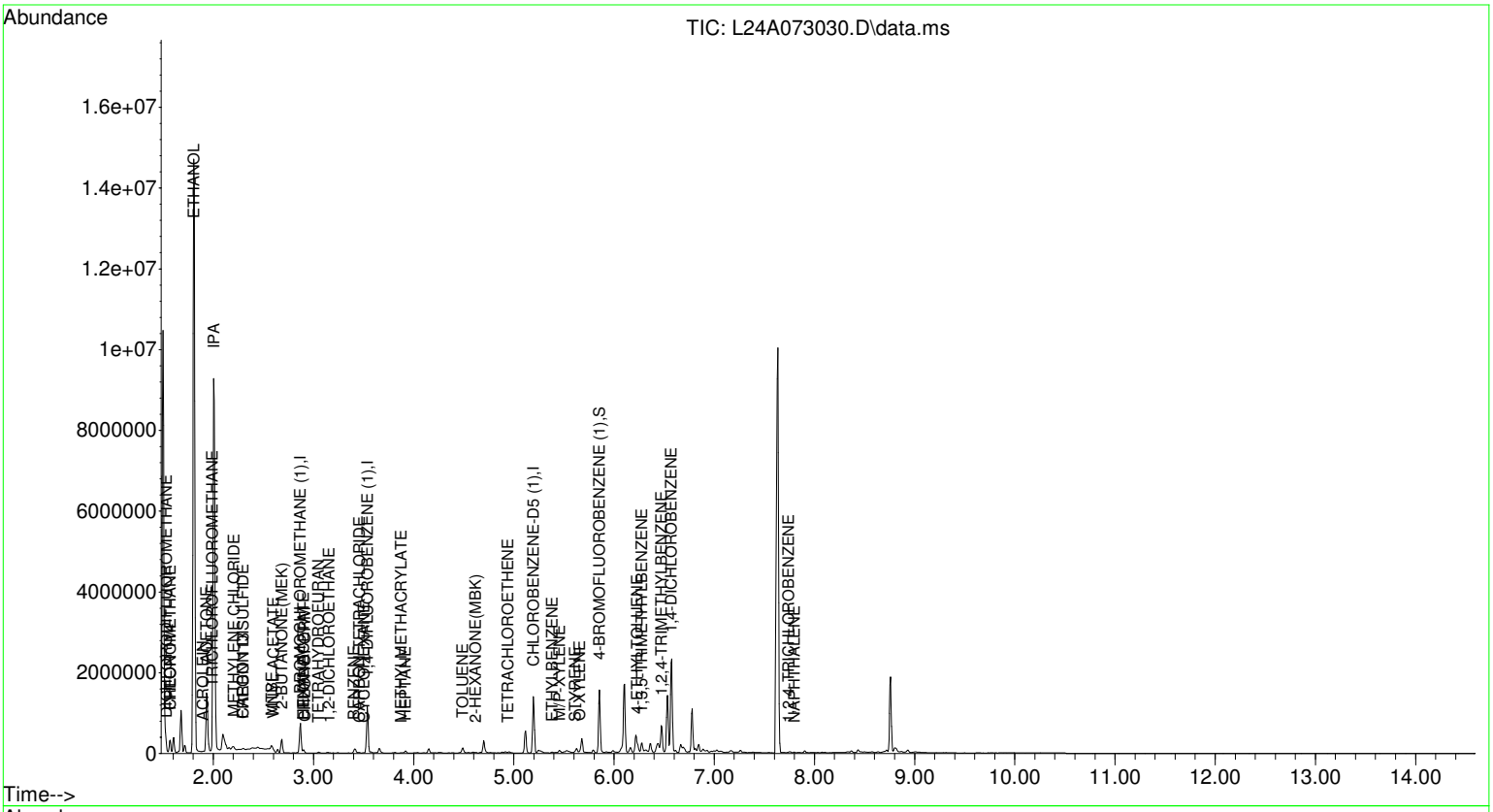
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073030.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

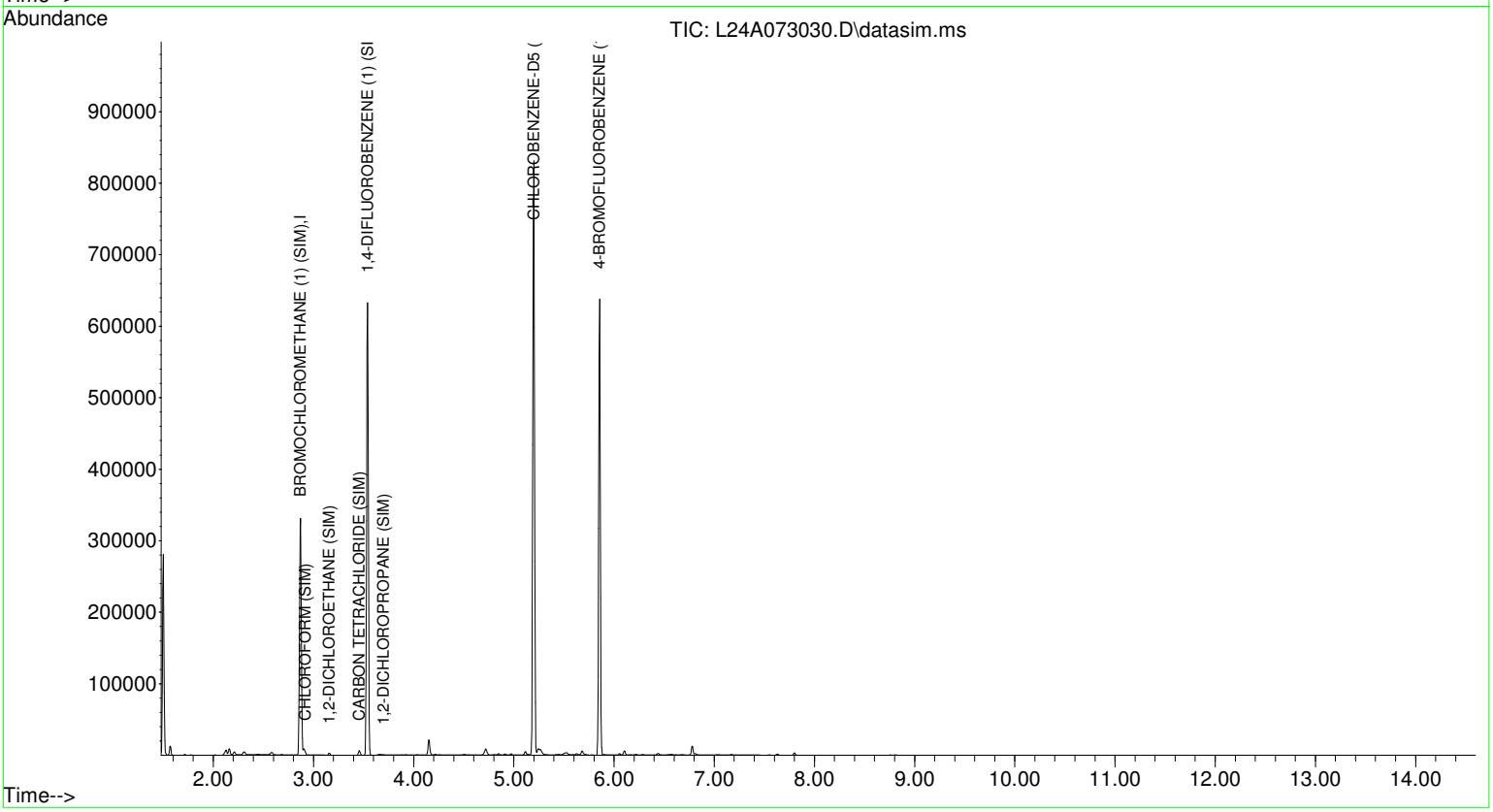
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	308	0.014	PPBV	100

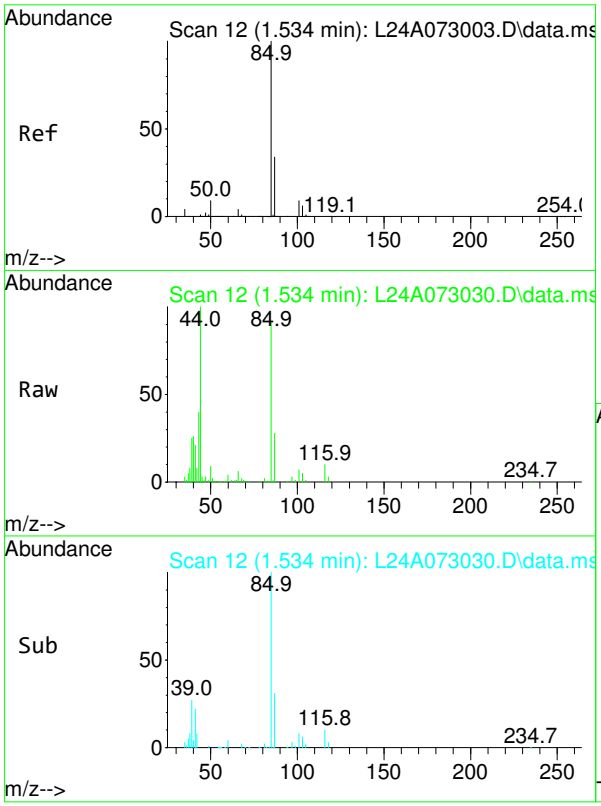
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073030.D Vial: 26
Acq On : 14 Mar 2024 12:50 am Operator: CMR
Sample : 24C0251-04 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:56 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073030.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



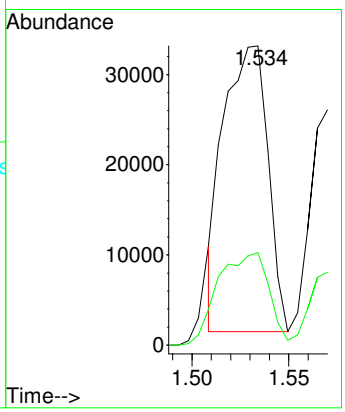


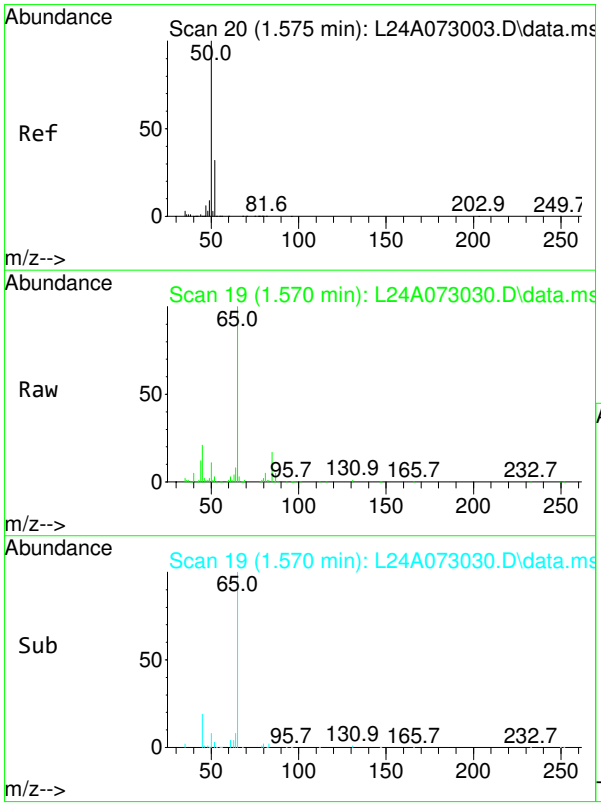


#3
DICHLORODIFLUOROMETHANE
Concen: 1.11 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 85 Resp: 50555

Ion	Ratio	Lower	Upper
85	100		
87	31.1	12.0	52.0

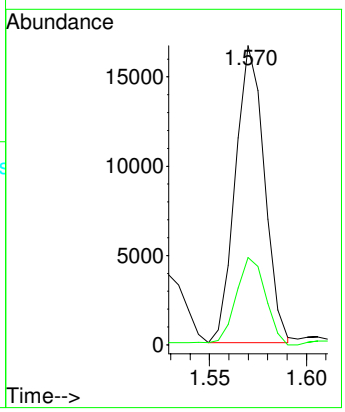


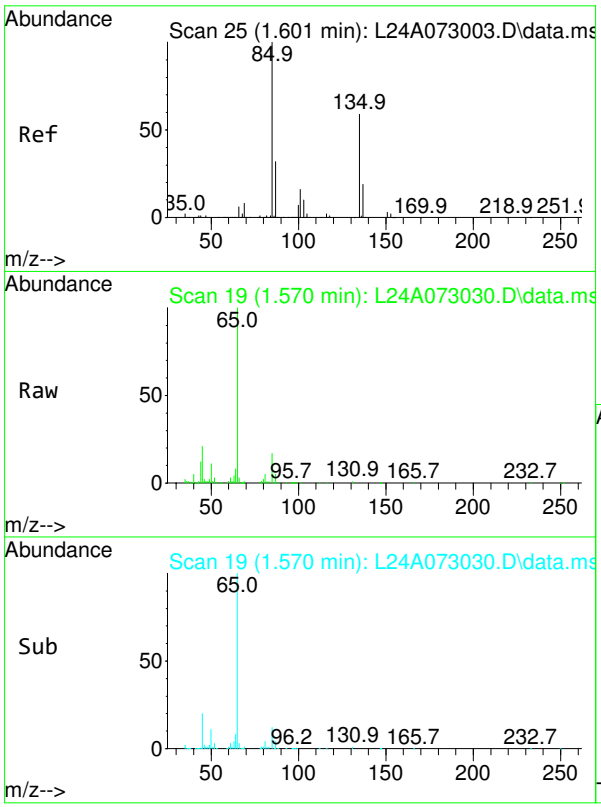


#4
CHLOROMETHANE
Concen: 1.10 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 50 Resp: 17277

Ion	Ratio	Lower	Upper
50	100		
52	30.6	11.2	51.2

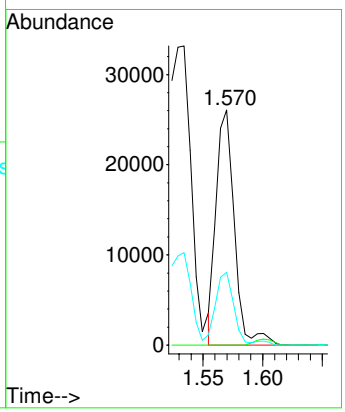


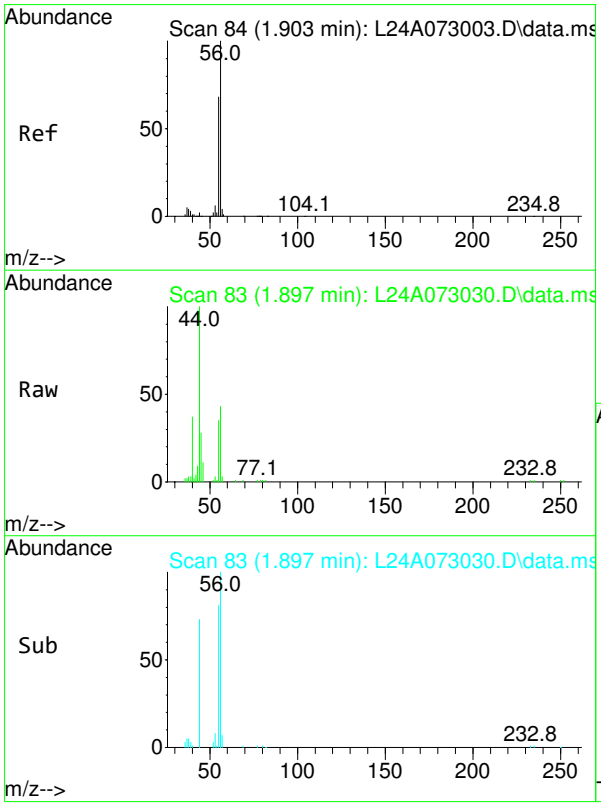


#5
FREON 114
Concen: 0.60 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.028 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 85 Resp: 27846

Ion	Ratio	Lower	Upper
85	100		
135	0.0	41.5	81.5#
87	27.8	12.1	52.1

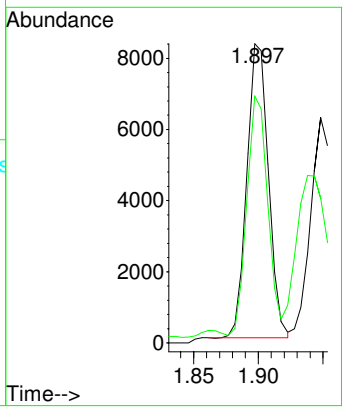


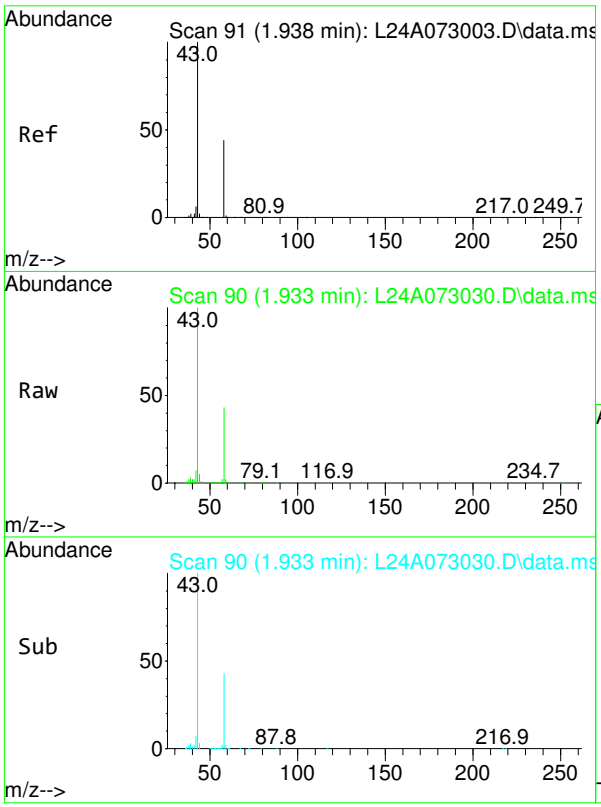


#10
ACROLEIN
Concen: 1.17 PPBV
RT: 1.897 min Scan# 83
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 56 Resp: 9589

Ion	Ratio	Lower	Upper
56	100		
55	78.7	51.4	91.4

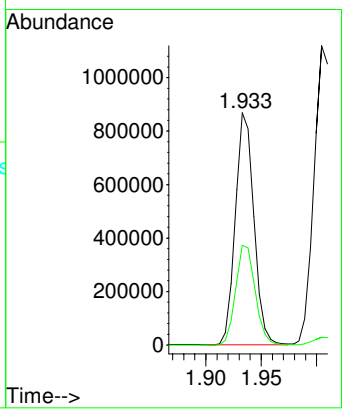


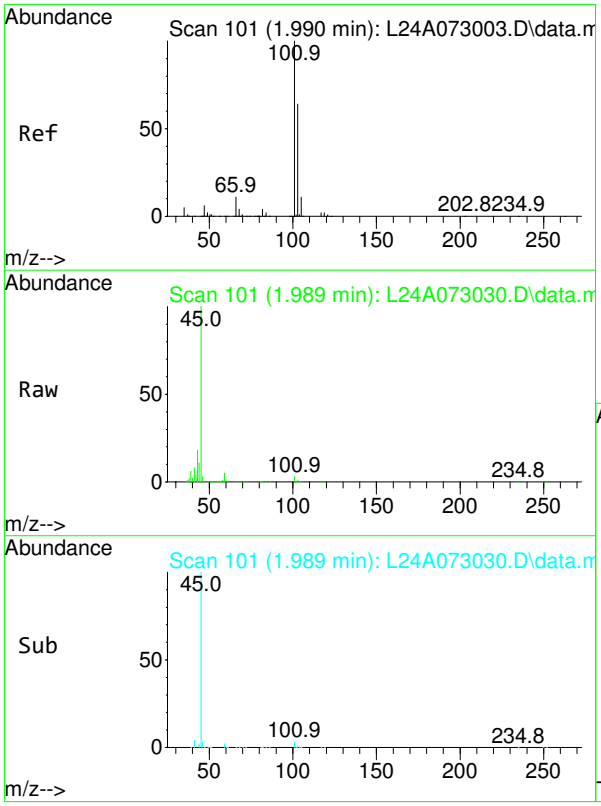


#11
ACETONE
Concen: 34.84 PPBV
RT: 1.933 min Scan# 90
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 1009400

Ion	Ratio	Lower	Upper
43	100		
58	45.5	13.1	53.1

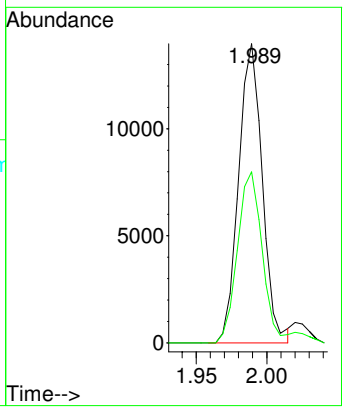


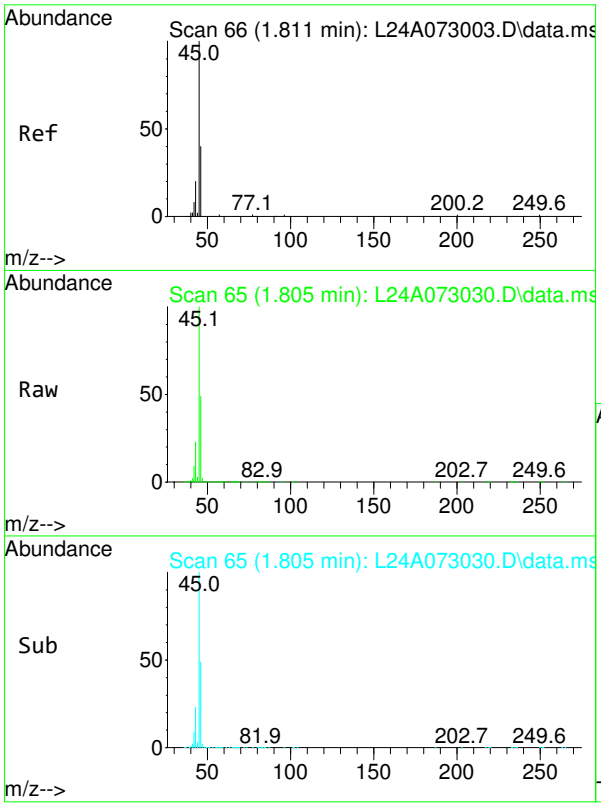


#12
TRICHLOROFLUOROMETHANE
Concen: 0.35 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:101 Resp: 16366

Ion	Ratio	Lower	Upper
101	100		
103	59.6	44.7	84.7

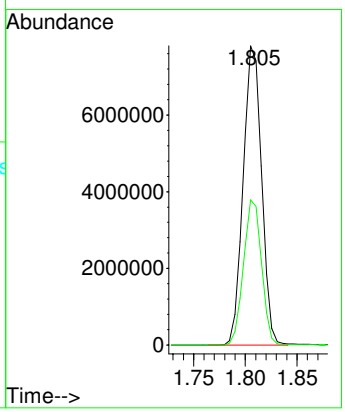


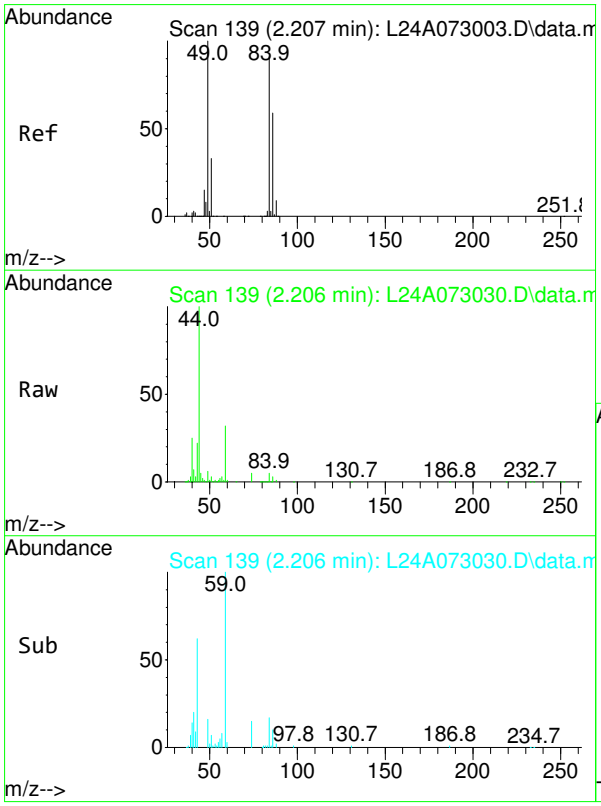


#13
ETHANOL
Concen: 2162.71 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 45 Resp: 9673643

Ion	Ratio	Lower	Upper
45	100		
46	47.4	20.5	60.5

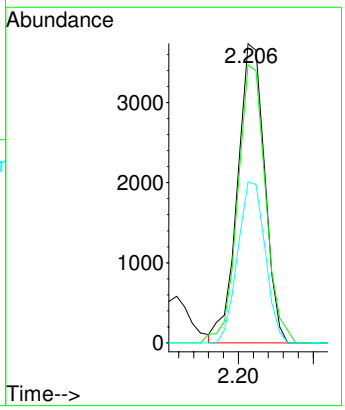


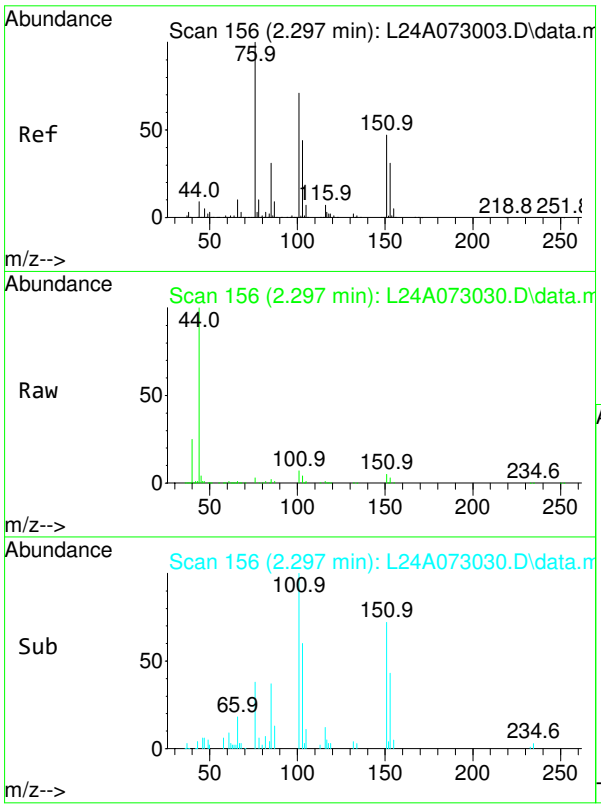


#15
METHYLENE CHLORIDE
Concen: 0.21 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 49 Resp: 4705

Ion	Ratio	Lower	Upper
49	100		
84	94.8	52.0	92.0#
86	54.2	27.3	67.3

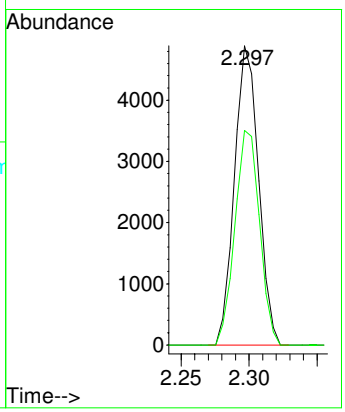


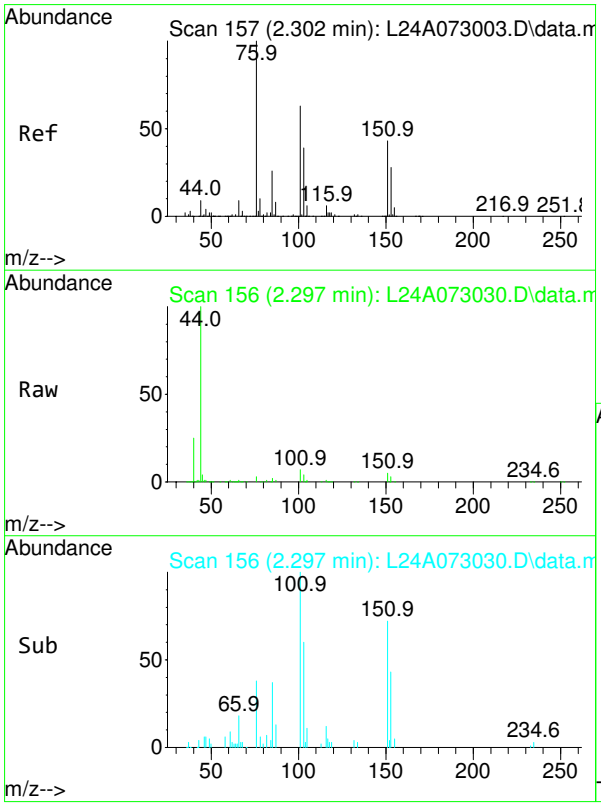


#16
FREON 113
Concen: 0.16 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:101 Resp: 6018

Ion	Ratio	Lower	Upper
101	100		
151	73.6	52.3	92.3

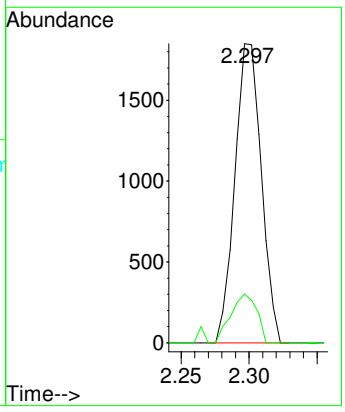


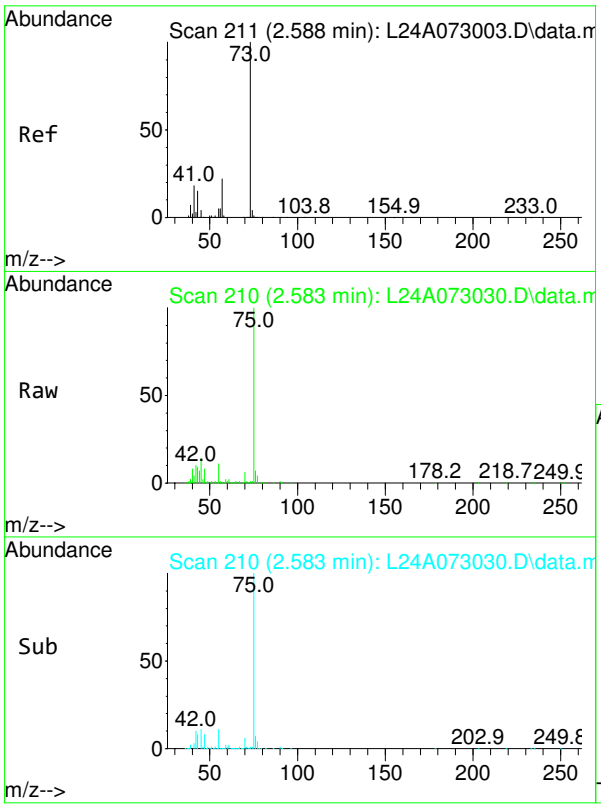


#17
CARBON DISULFIDE
Concen: 0.05 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 76 Resp: 2501

Ion	Ratio	Lower	Upper
76	100		
78	16.0	0.0	31.1

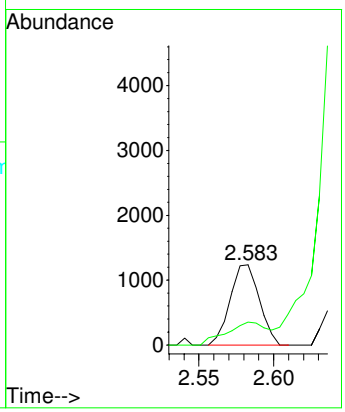


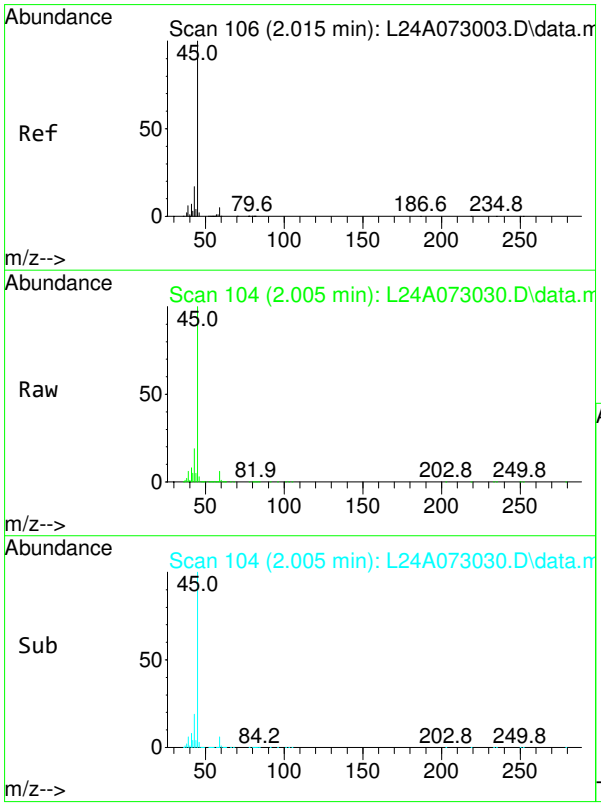


#20
MTBE
Concen: 0.03 PPBV
RT: 2.583 min Scan# 210
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 73 Resp: 1681

Ion	Ratio	Lower	Upper
73	100		
57	40.5	4.6	44.6

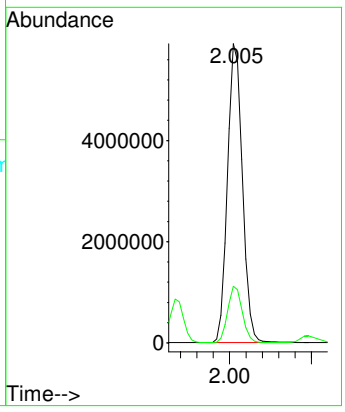


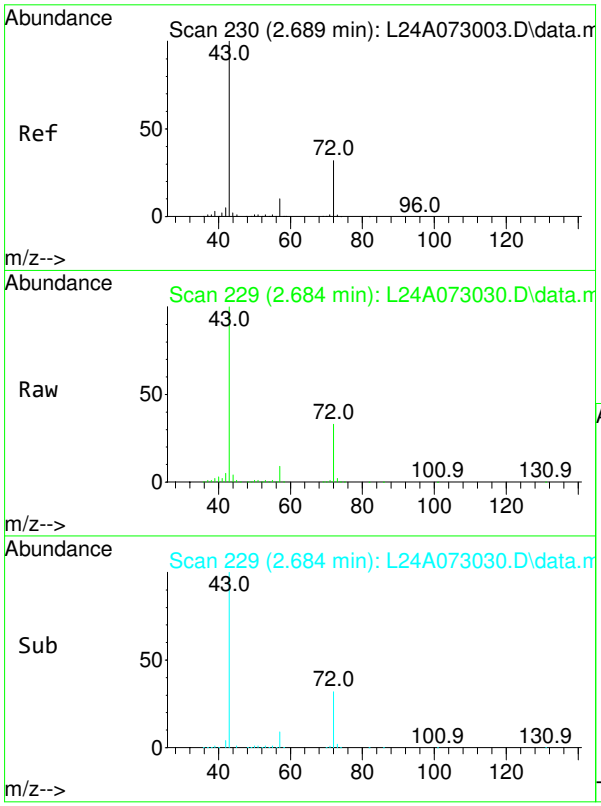


#21
IPA
Concen: 246.41 PPBV
RT: 2.005 min Scan# 104
Delta R.T. -0.008 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 45 Resp: 7511704

Ion	Ratio	Lower	Upper
45	100		
43	18.5	0.0	39.3

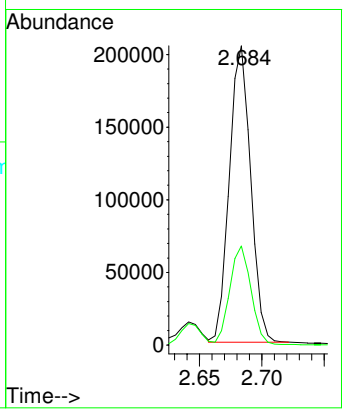


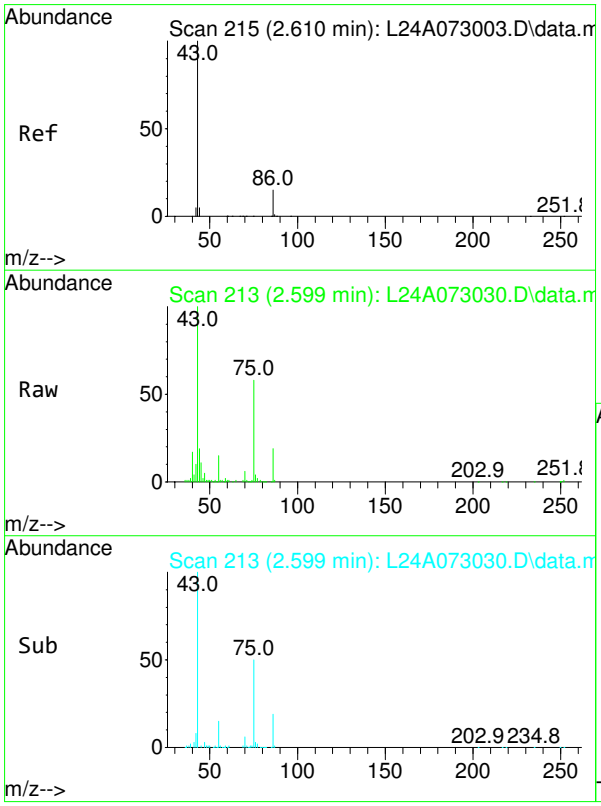


#22
2-BUTANONE(MEK)
Concen: 6.79 PPBV
RT: 2.684 min Scan# 229
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 242373

Ion	Ratio	Lower	Upper
43	100		
72	32.8	5.6	45.6

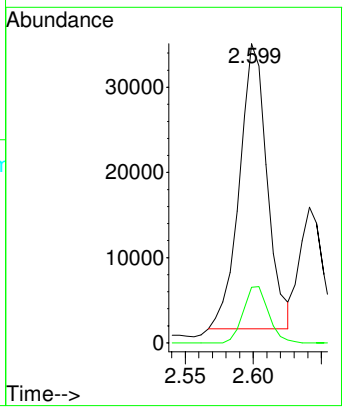


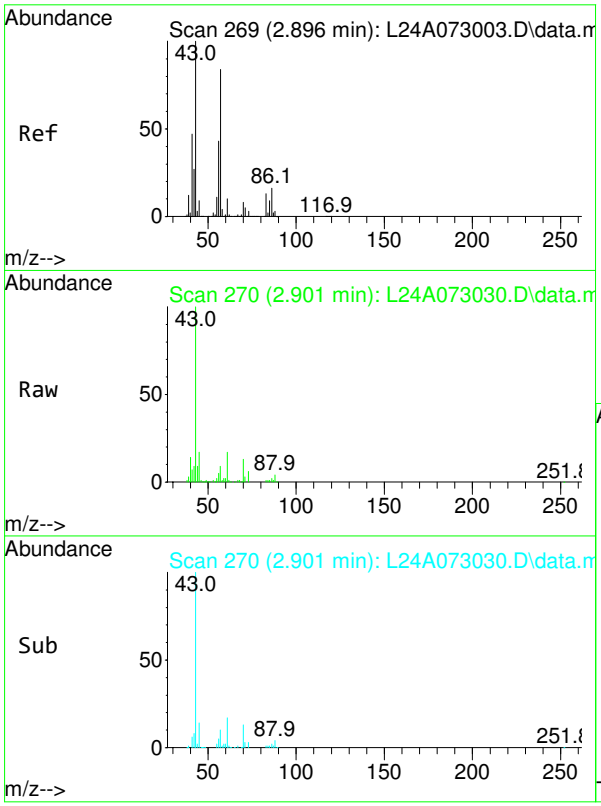


#24
VINYL ACETATE
Concen: 1.26 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 47526

Ion	Ratio	Lower	Upper
43	100		
86	18.0	0.0	19.5

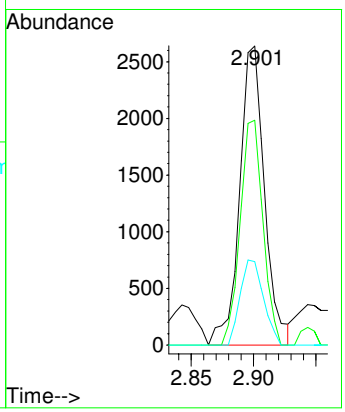


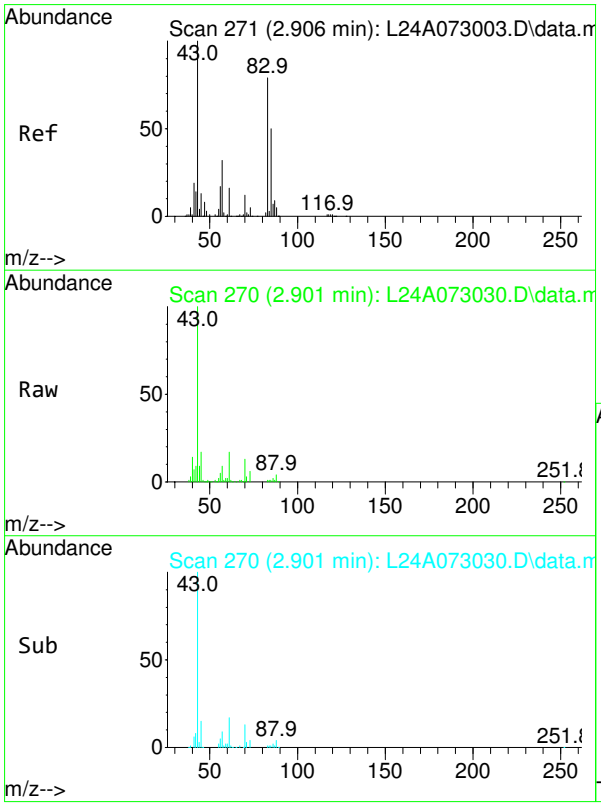


#25
HEXANE
Concen: 0.19 PPBV
RT: 2.901 min Scan# 270
Delta R.T. 0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 41 Resp: 3668

Ion	Ratio	Lower	Upper
41	100		
56	68.6	52.3	92.3
86	26.6	16.1	36.1

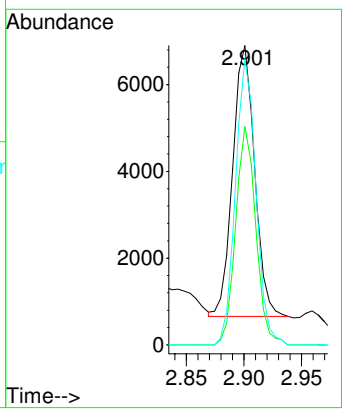


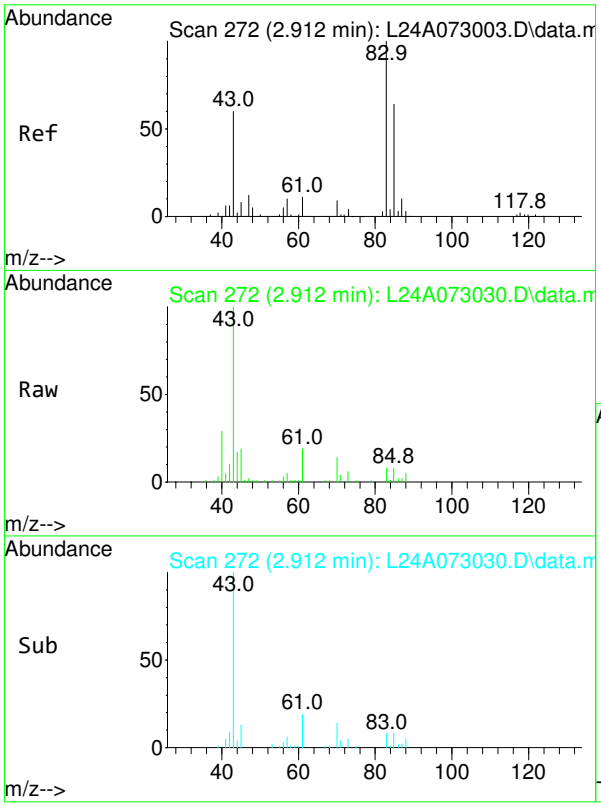


#26
ETHYL ACETATE
Concen: 1.33 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 45 Resp: 8205

Ion	Ratio	Lower	Upper
45	100		
70	73.9	68.8	108.8
61	99.0	83.3	123.3

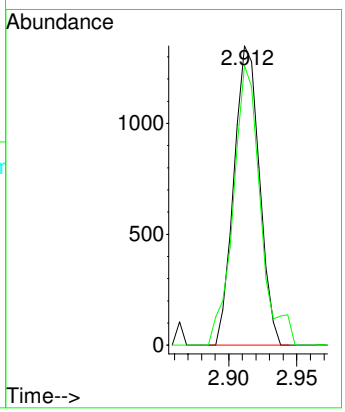


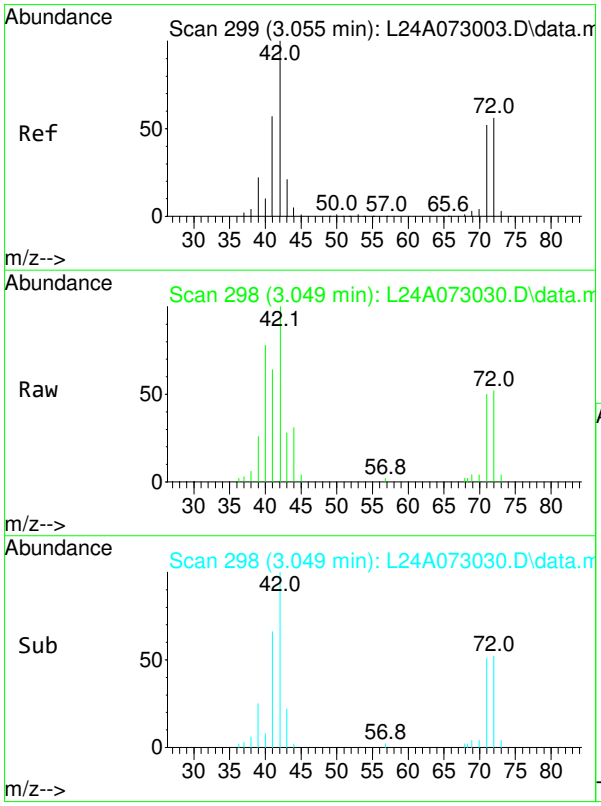


#27
CHLOROFORM
Concen: 0.05 PPBV
RT: 2.912 min Scan# 272
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 83 Resp: 1761

Ion	Ratio	Lower	Upper
83	100		
85	99.5	44.8	84.8#

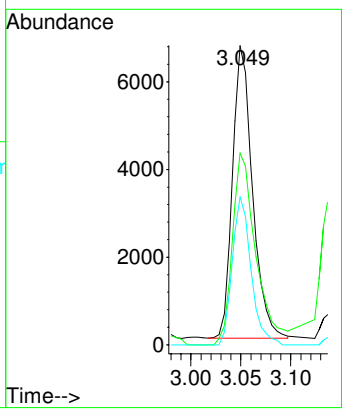


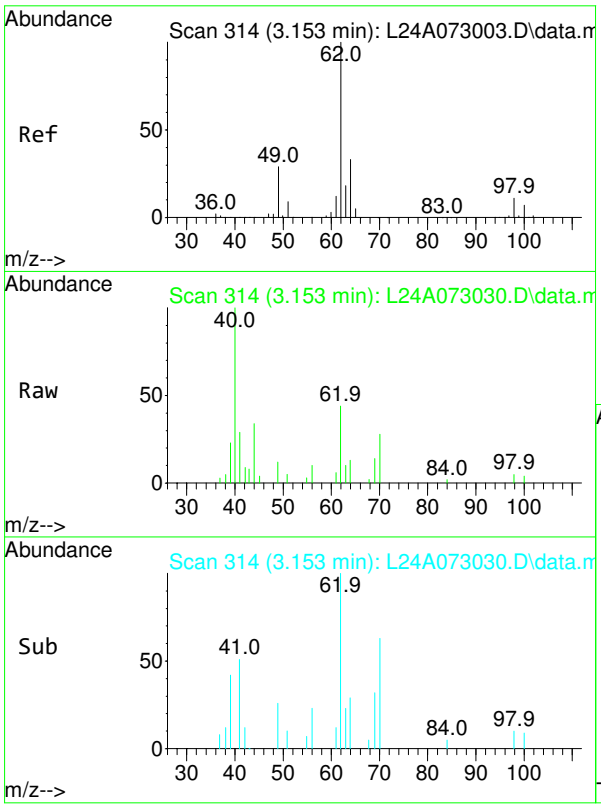


#28
TETRAHYDROFURAN
Concen: 0.39 PPBV
RT: 3.049 min Scan# 298
Delta R.T. -0.002 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 42 Resp: 9289

Ion	Ratio	Lower	Upper
42	100		
41	77.2	33.5	73.5#
71	47.5	24.0	64.0

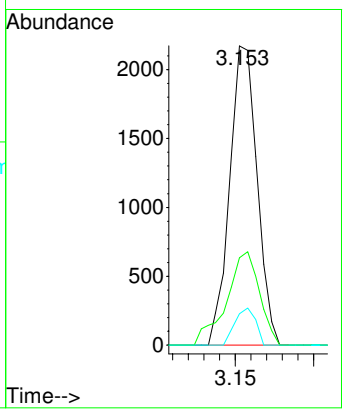


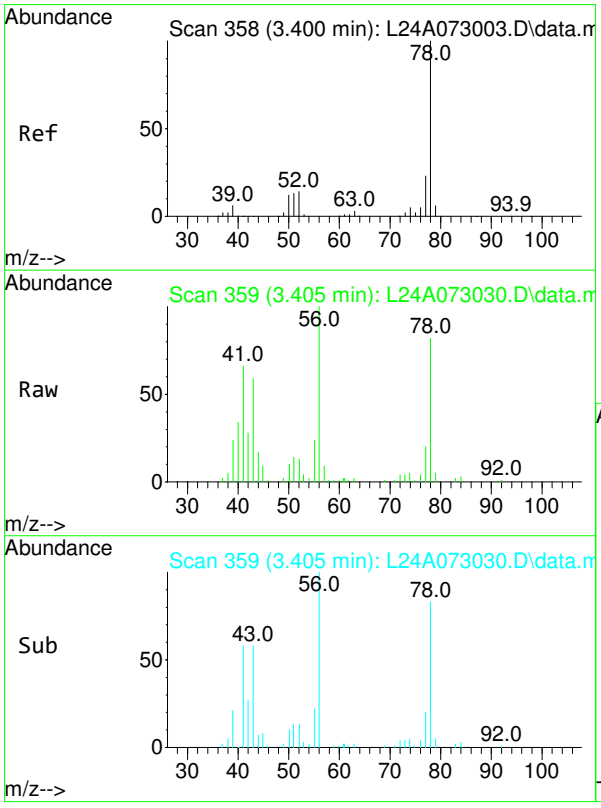


#29
1,2-DICHLOROETHANE
Concen: 0.10 PPBV
RT: 3.153 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 62 Resp: 2600

Ion	Ratio	Lower	Upper
62	100		
64	36.3	13.0	53.0
98	9.4	0.0	19.3

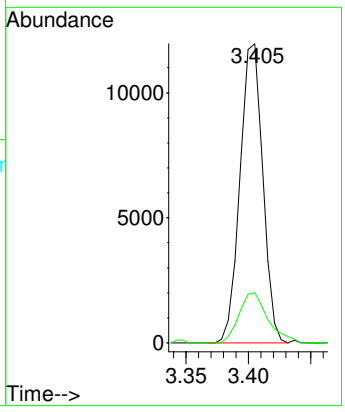


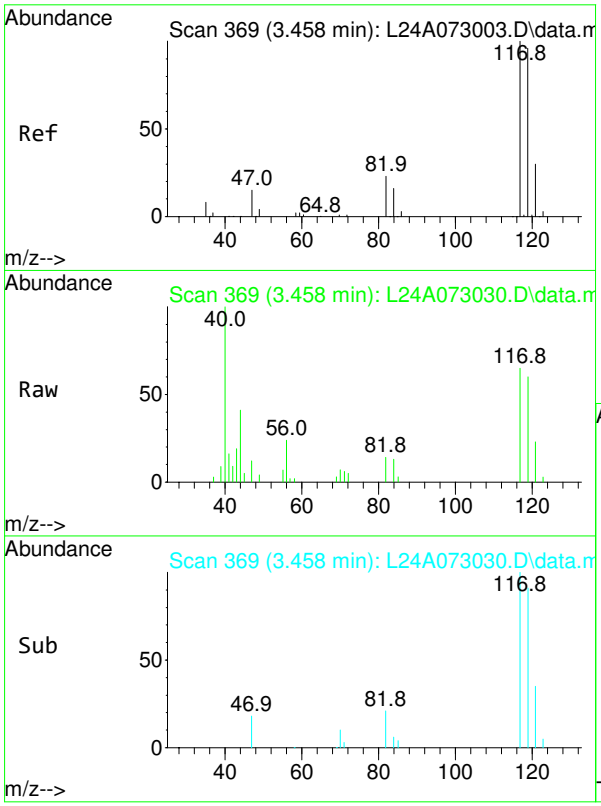


#32
BENZENE
Concen: 0.27 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 78 Resp: 15180

Ion	Ratio	Lower	Upper
78	100		
51	21.1	0.0	37.7

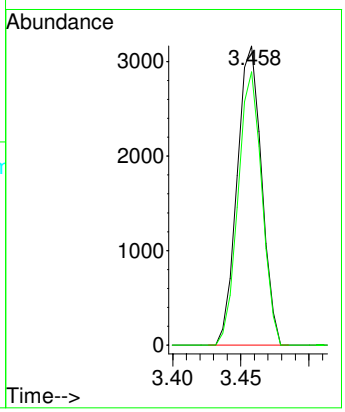


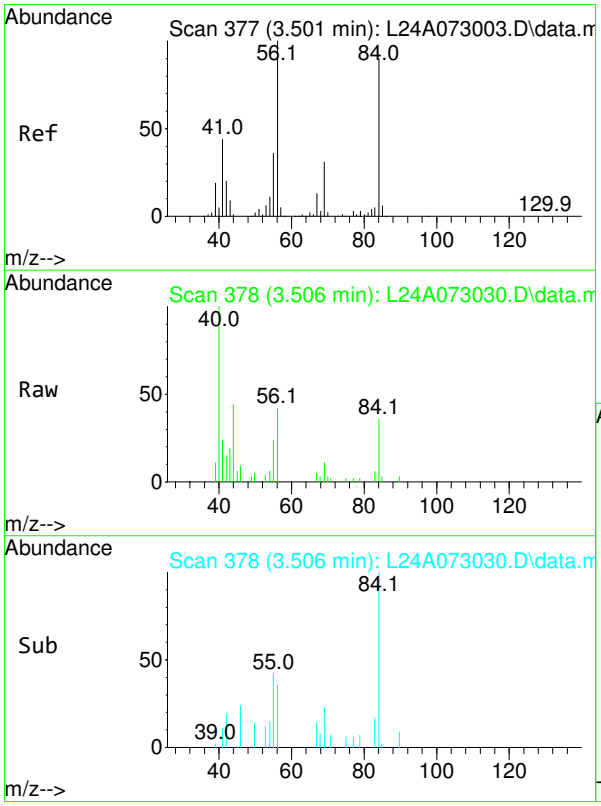


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:117 Resp: 3960

Ion	Ratio	Lower	Upper
117	100		
119	88.4	75.3	115.3

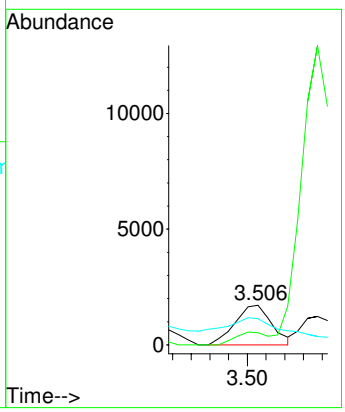


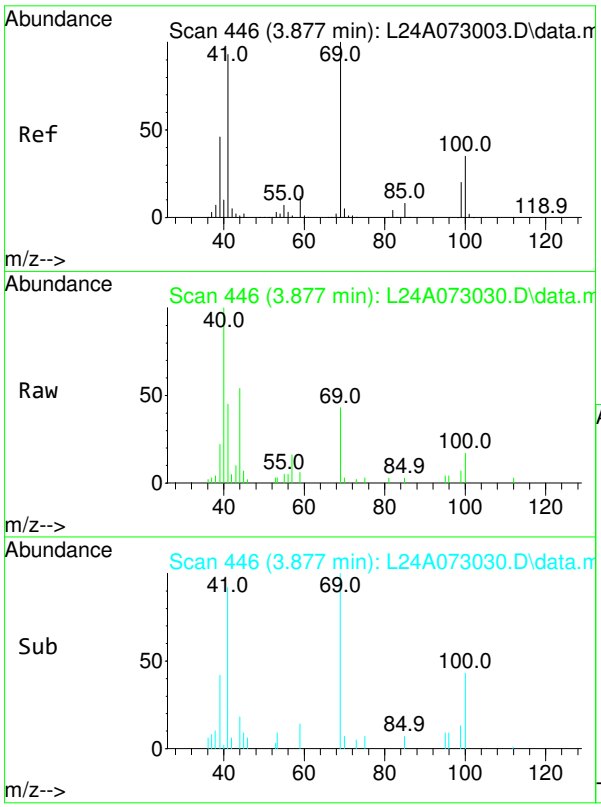


#34
CYCLOHEXANE
Concen: 0.10 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 84 Resp: 2327

Ion	Ratio	Lower	Upper
84	100		
69	27.8	17.7	57.7
41	65.5	44.6	84.6

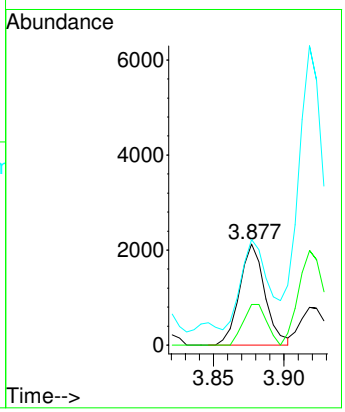


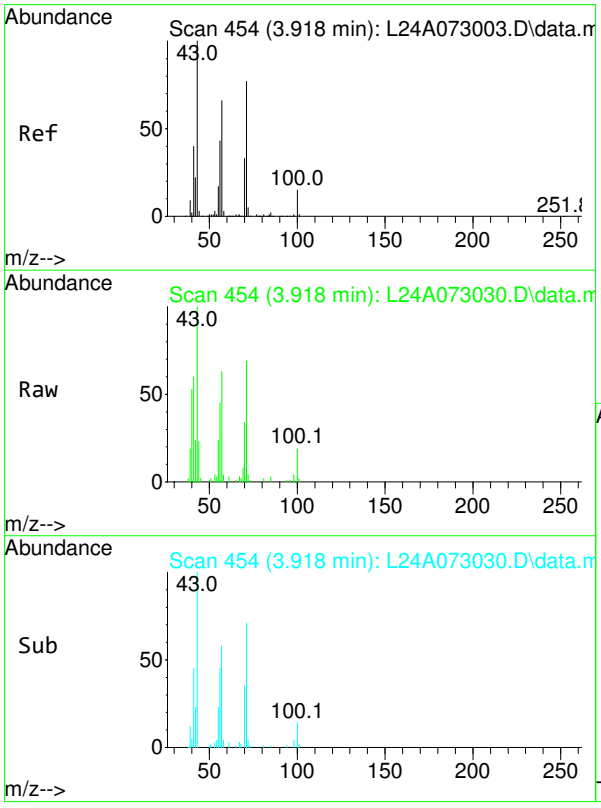


#39
METHYLMETHACRYLATE
Concen: 0.14 PPBV
RT: 3.877 min Scan# 446
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 69 Resp: 2662

Ion	Ratio	Lower	Upper
69	100		
100	37.0	18.0	58.0
41	94.9	102.8	142.8#

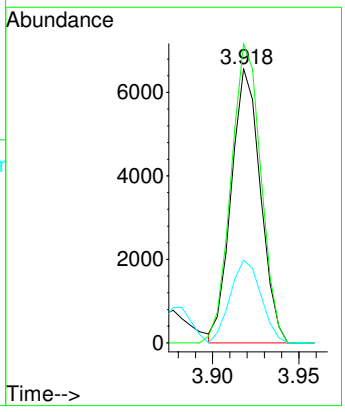


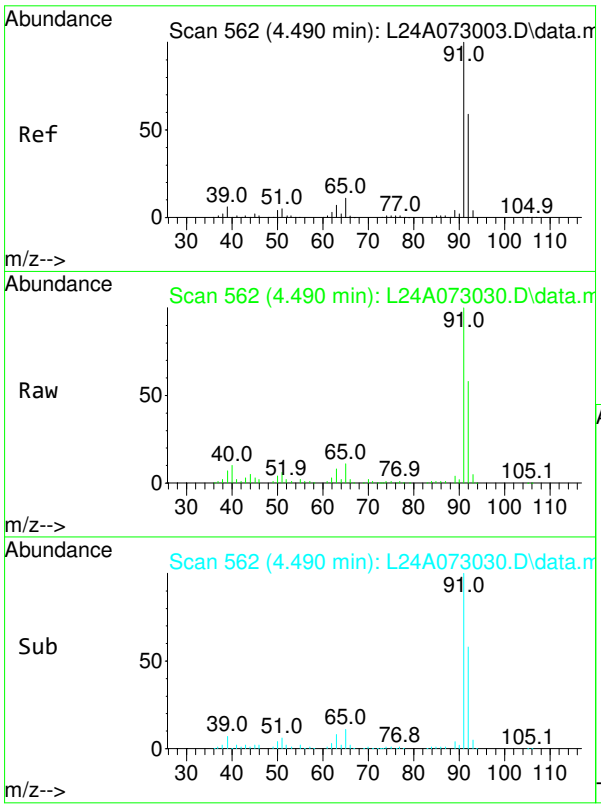


#40
HEPTANE
Concen: 0.44 PPBV
RT: 3.918 min Scan# 454
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 57 Resp: 7733

Ion	Ratio	Lower	Upper
57	100		
71	111.7	87.9	127.9
100	31.9	4.4	44.4

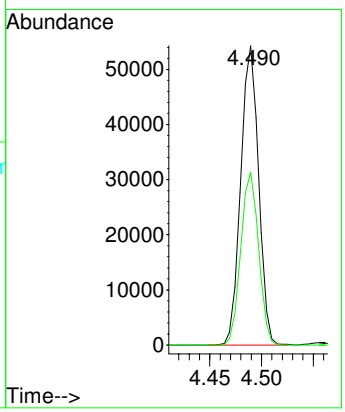


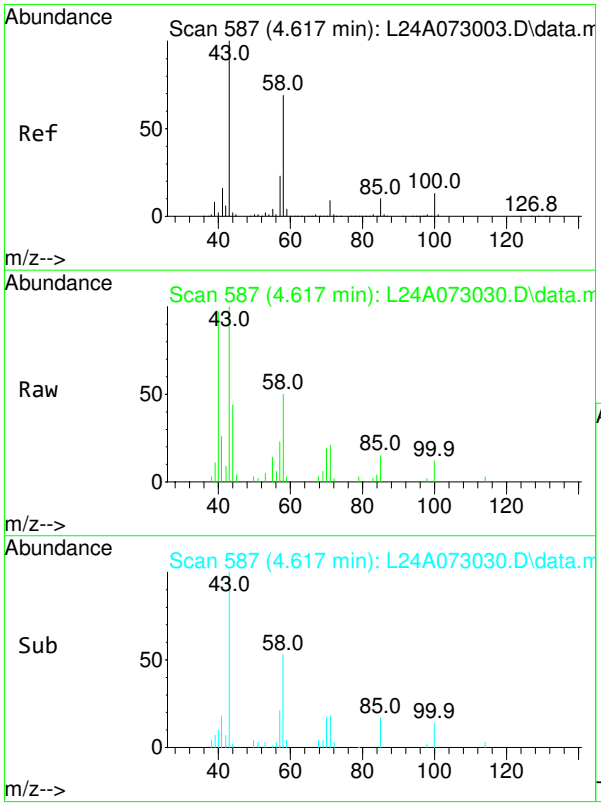


#46
TOLUENE
Concen: 0.97 PPBV
RT: 4.490 min Scan# 562
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 65167

Ion	Ratio	Lower	Upper
91	100		
92	57.7	39.1	79.1

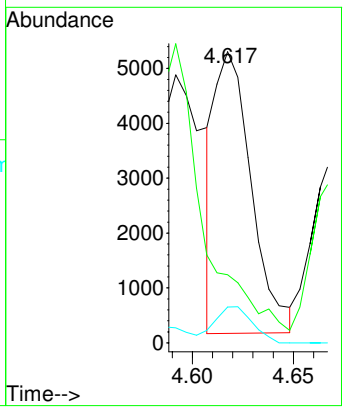


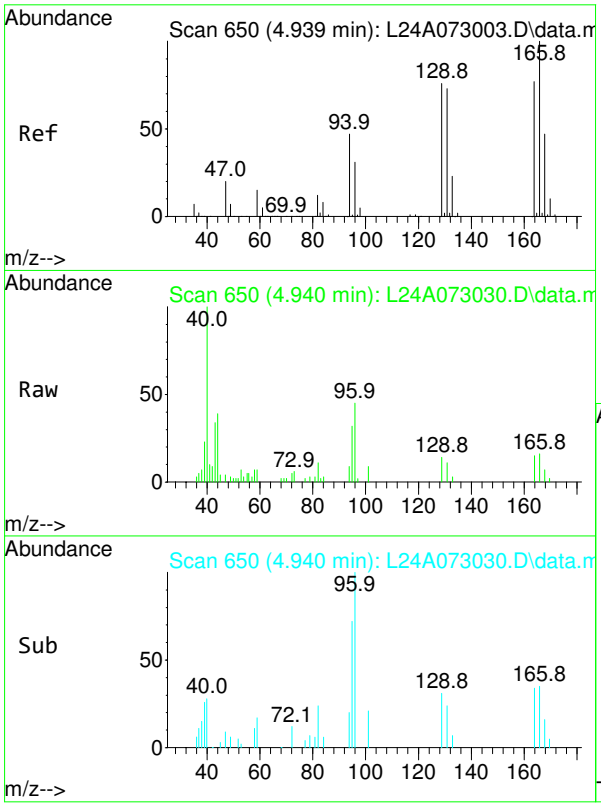


#47
2-HEXANONE(MBK)
Concen: 0.15 PPBV m
RT: 4.617 min Scan# 587
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 43 Resp: 6434

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	39.5
100	13.3	1.7	21.7

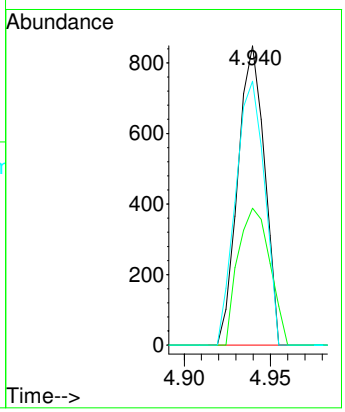


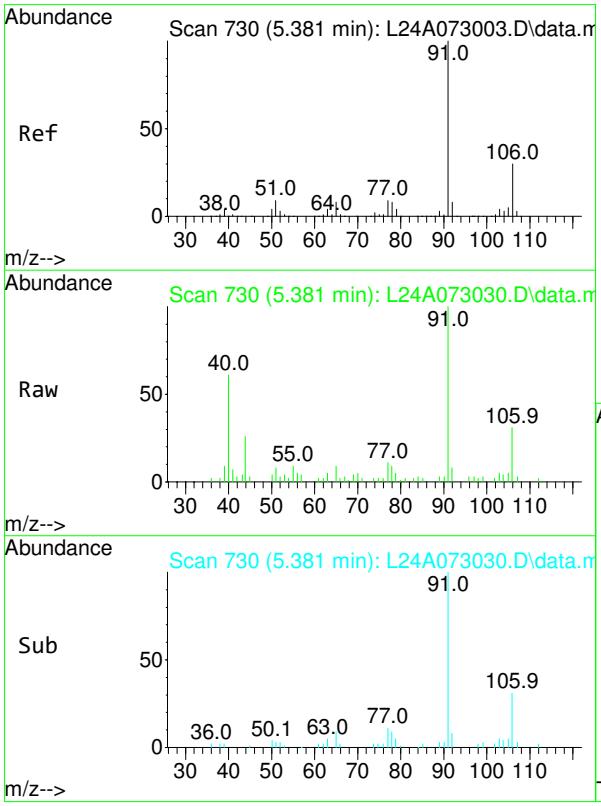


#50
TETRACHLOROETHENE
Concen: 0.03 PPBV
RT: 4.940 min Scan# 650
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:166 Resp: 915

Ion	Ratio	Lower	Upper
166	100		
168	54.9	28.8	68.8
129	95.3	56.6	96.6

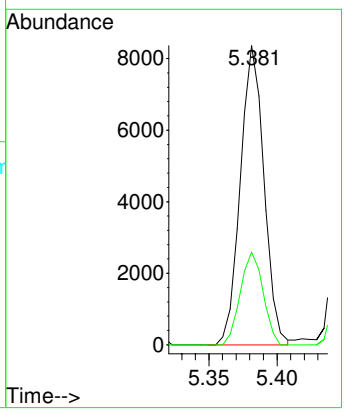


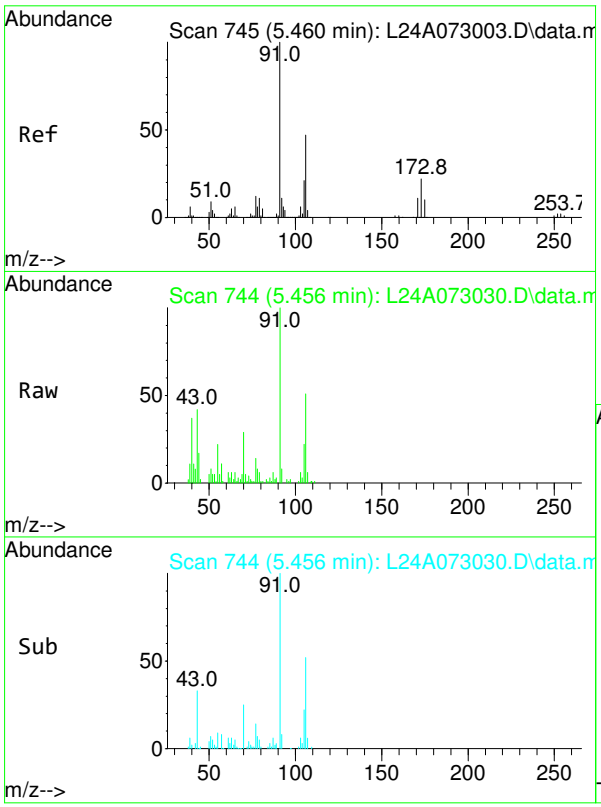


#52
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 5.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 10113

Ion	Ratio	Lower	Upper
91	100		
106	29.8	10.1	50.1

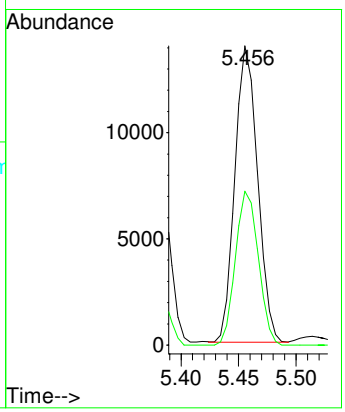


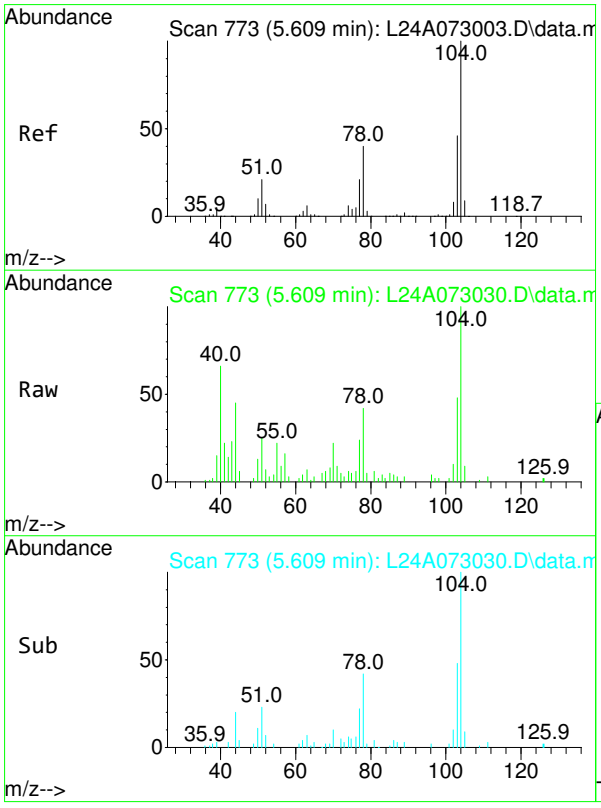


#53
M/P-XYLENE
Concen: 0.27 PPBV
RT: 5.456 min Scan# 744
Delta R.T. -0.012 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 19057

Ion	Ratio	Lower	Upper
91	100		
106	52.2	24.9	64.9

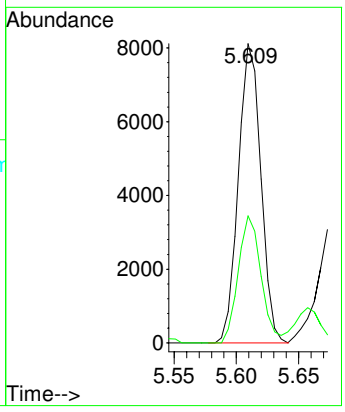


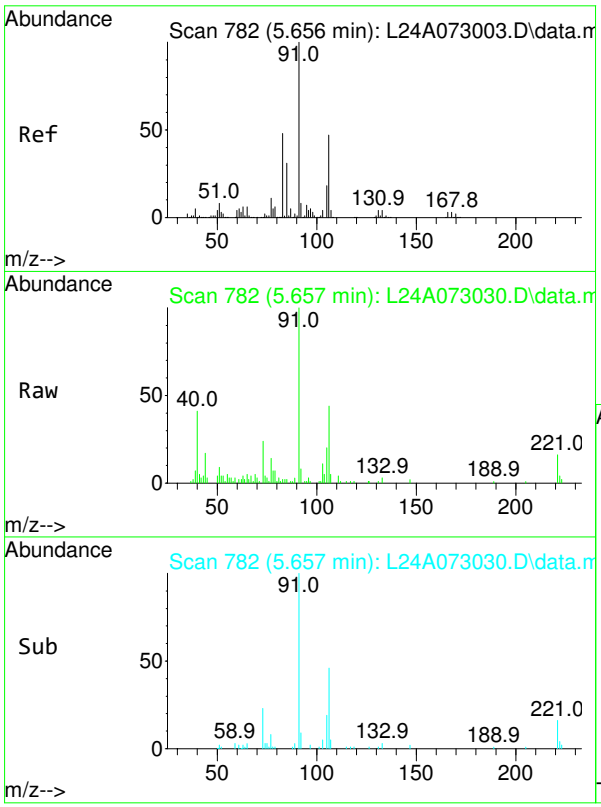


#55
STYRENE
Concen: 0.21 PPBV
RT: 5.609 min Scan# 773
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:104 Resp: 10177

Ion	Ratio	Lower	Upper
104	100		
78	43.1	24.7	64.7

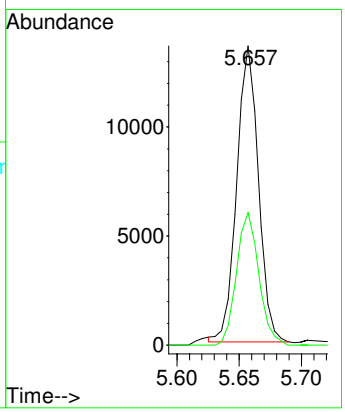


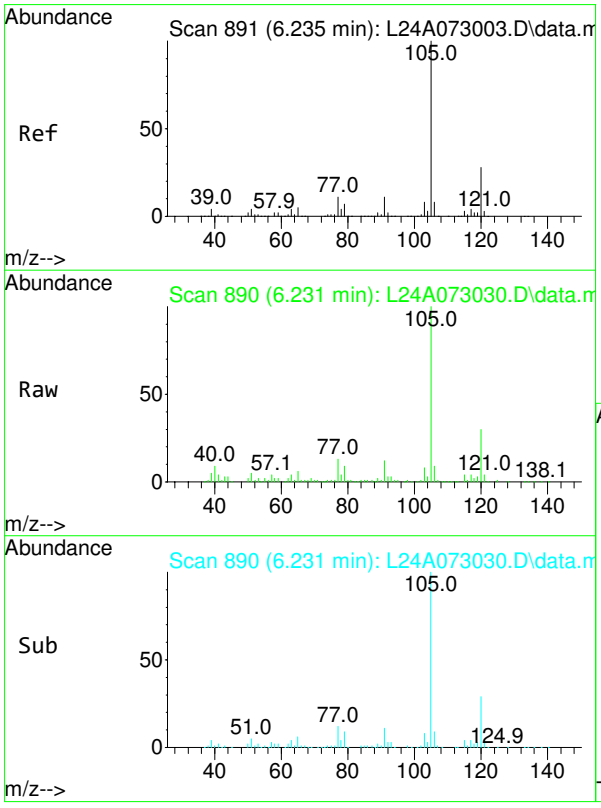


#56
O-XYLENE
Concen: 0.24 PPBV
RT: 5.657 min Scan# 782
Delta R.T. -0.007 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 91 Resp: 16387

Ion	Ratio	Lower	Upper
91	100		
106	46.2	25.4	65.4

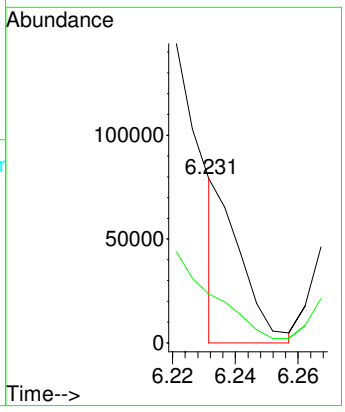


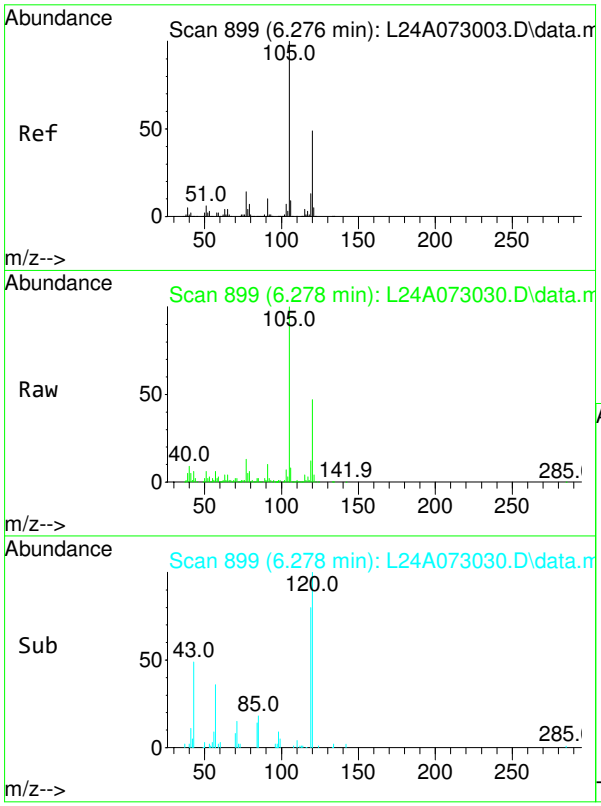


#59
4-ETHYLTOLUENE
Concen: 0.47 PPBV m
RT: 6.231 min Scan# 890
Delta R.T. -0.010 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:105 Resp: 42316

Ion	Ratio	Lower	Upper
105	100		
120	180.3	8.8	48.8#

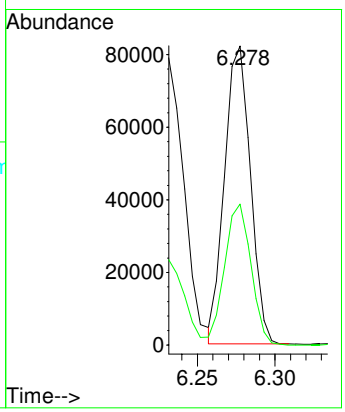


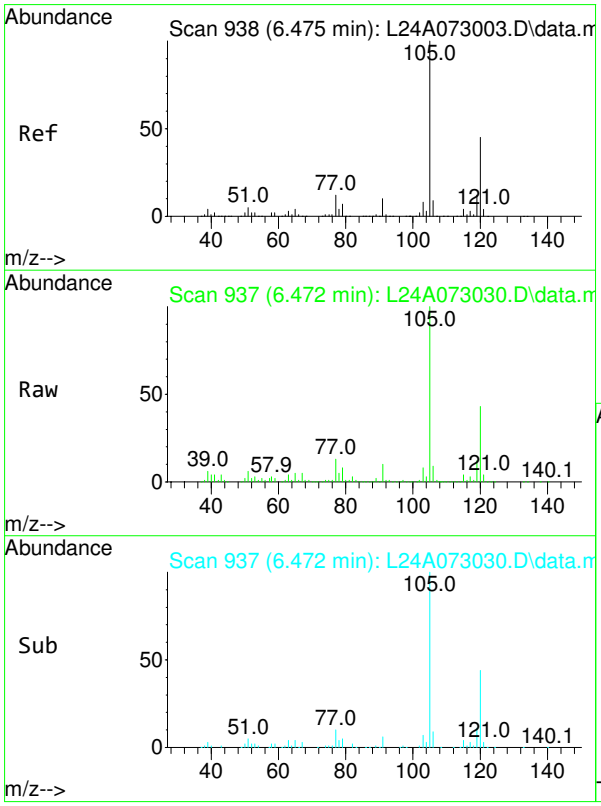


#60
1,3,5-TRIMETHYLBENZENE
Concen: 1.26 PPBV
RT: 6.278 min Scan# 899
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:105 Resp: 95452

Ion	Ratio	Lower	Upper
105	100		
120	48.8	26.9	66.9

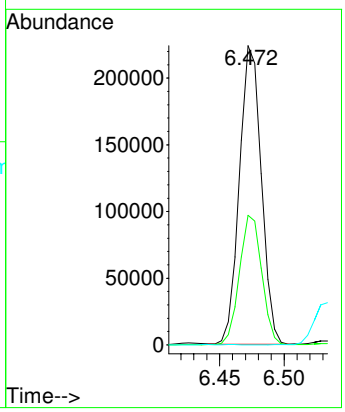


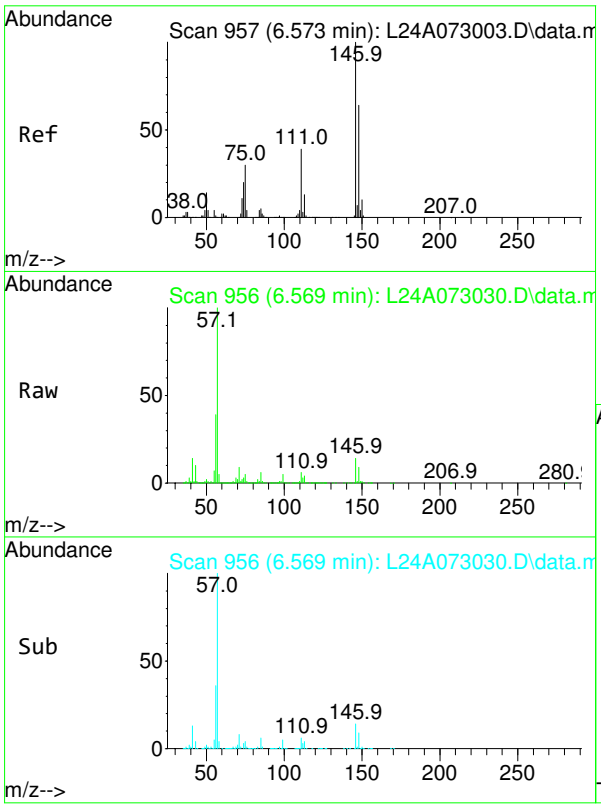


#61
1,2,4-TRIMETHYLBENZENE
Concen: 3.62 PPBV
RT: 6.472 min Scan# 937
Delta R.T. -0.011 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:105 Resp: 264703

Ion	Ratio	Lower	Upper
105	100		
120	44.2	24.0	64.0
207	0.1	0.0	20.0

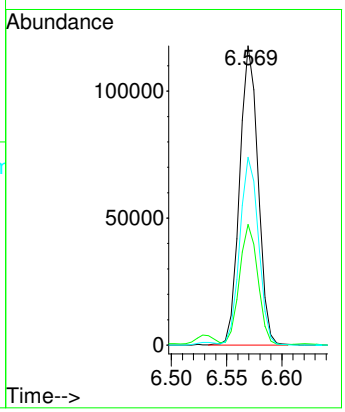


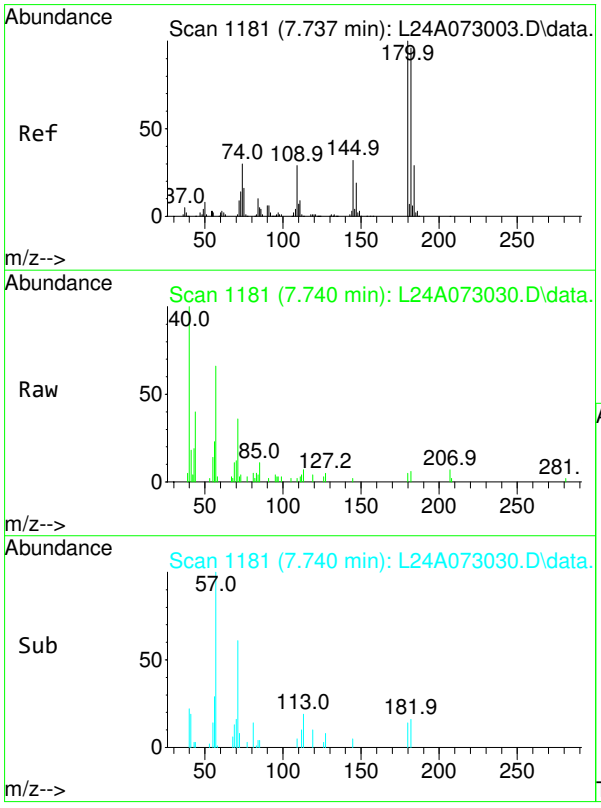


#64
1,4-DICHLOROBENZENE
Concen: 3.27 PPBV
RT: 6.569 min Scan# 956
Delta R.T. -0.008 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:146 Resp: 135951

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	60.5
148	63.3	44.9	84.9

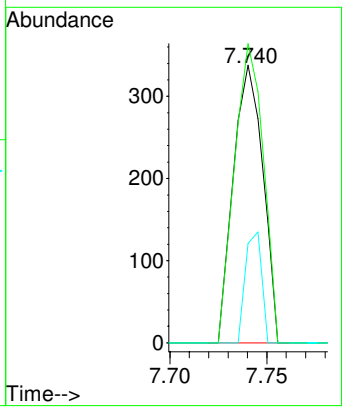


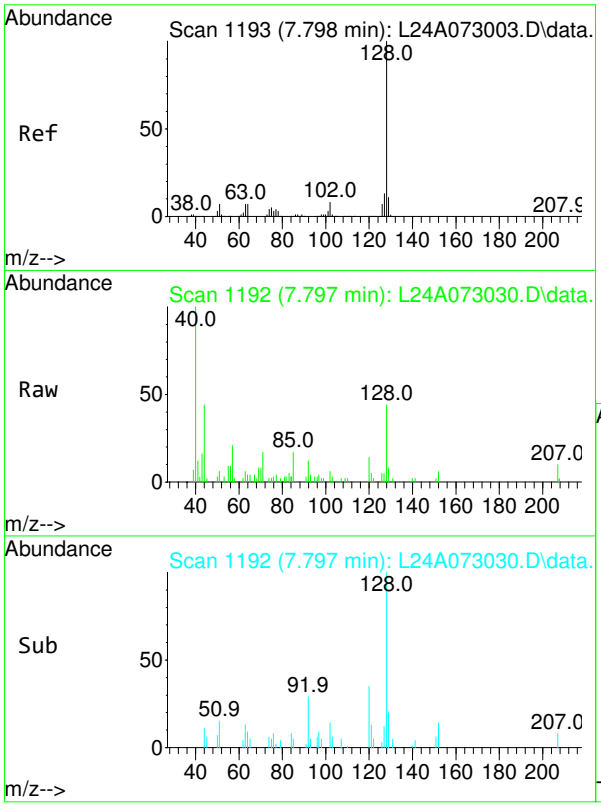


#66
1,2,4-TRICHLOROBENZENE
Concen: 0.01 PPBV
RT: 7.740 min Scan# 1181
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:180 Resp: 357

Ion	Ratio	Lower	Upper
180	100		
182	105.6	72.7	112.7
145	0.0	10.8	50.8#

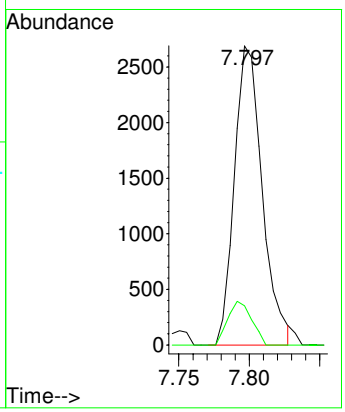


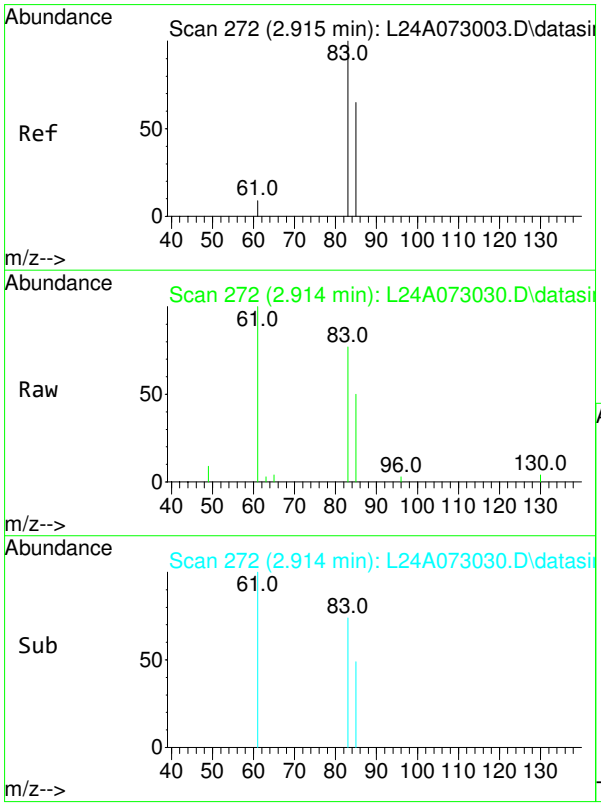


#67
NAPHTHALENE
Concen: 0.05 PPBV
RT: 7.797 min Scan# 1192
Delta R.T. -0.006 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:128 Resp: 3696

Ion	Ratio	Lower	Upper
128	100		
102	12.6	0.0	29.2

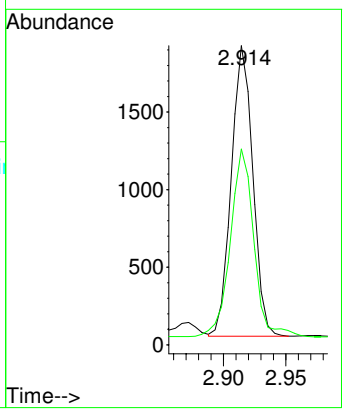


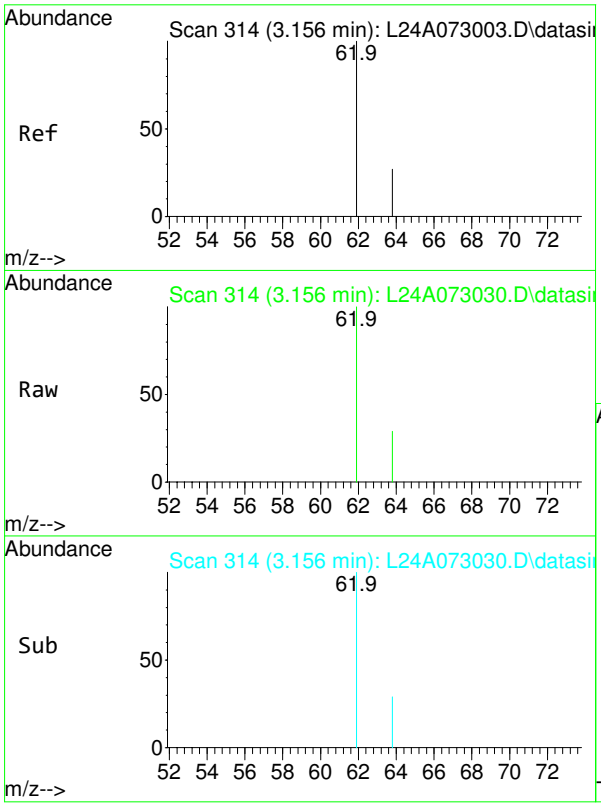


#75
CHLOROFORM (SIM)
Concen: 0.06 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 83 Resp: 2245

Ion	Ratio	Lower	Upper
83	100		
85	69.8	45.0	85.0

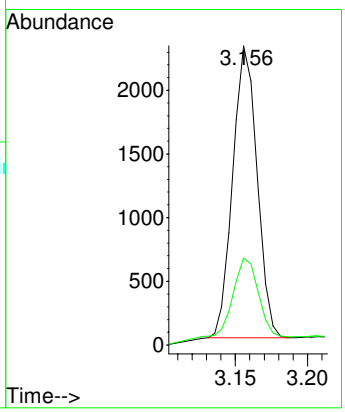


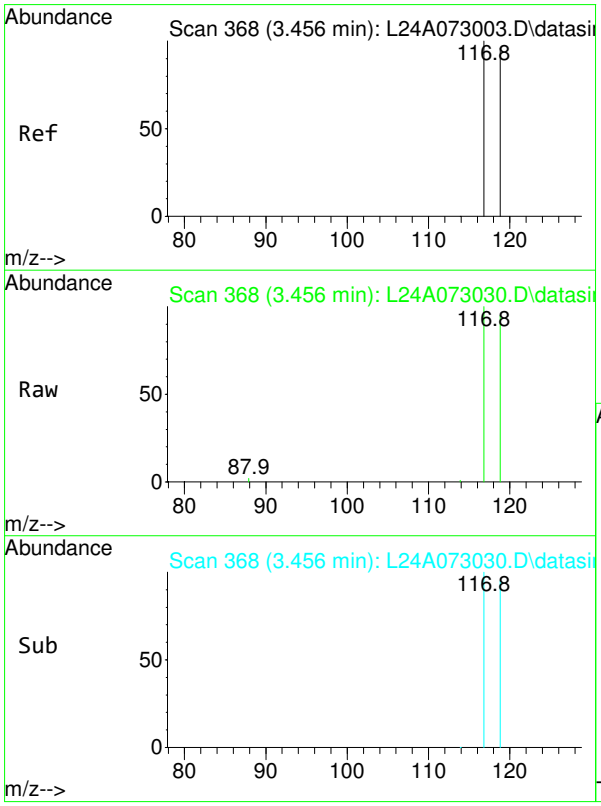


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.10 PPBV
RT: 3.156 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 62 Resp: 2645

Ion	Ratio	Lower	Upper
62	100		
64	27.5	7.0	47.0

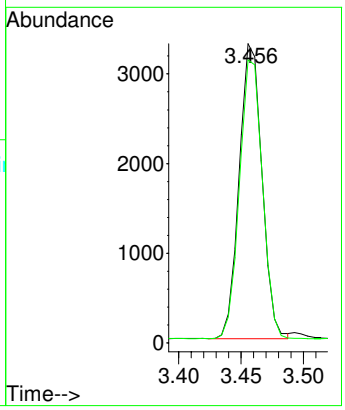


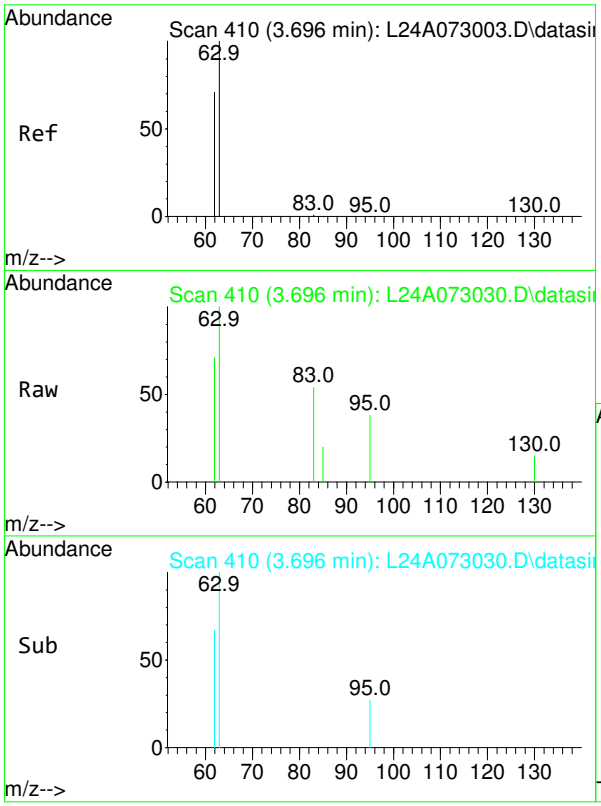


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.456 min Scan# 368
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion:117 Resp: 4182

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	116.3

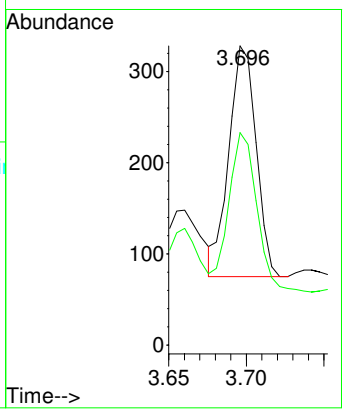




#79
1,2-DICHLOROPROPANE (SIM)
Concen: 0.01 PPBV
RT: 3.696 min Scan# 410
Delta R.T. -0.005 min
Lab File: L24A073030.D
Acq: 14 Mar 2024 12:50 am

Tgt Ion: 63 Resp: 308

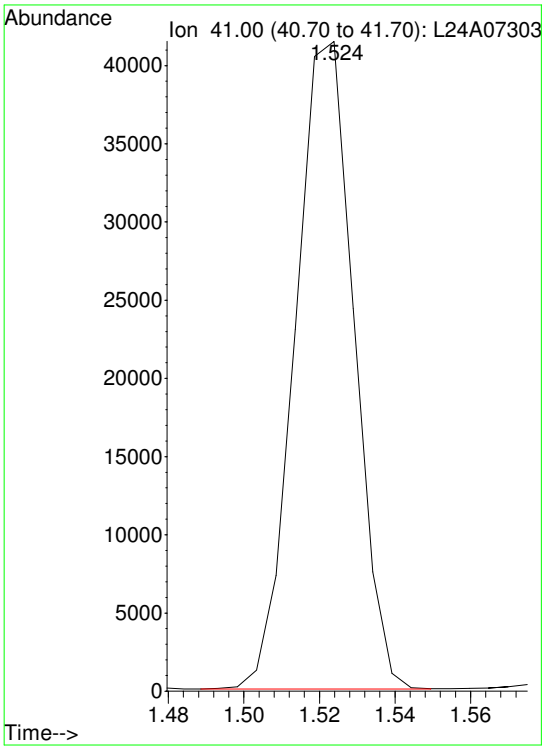
Ion	Ratio	Lower	Upper
63	100		
62	71.1	51.5	91.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

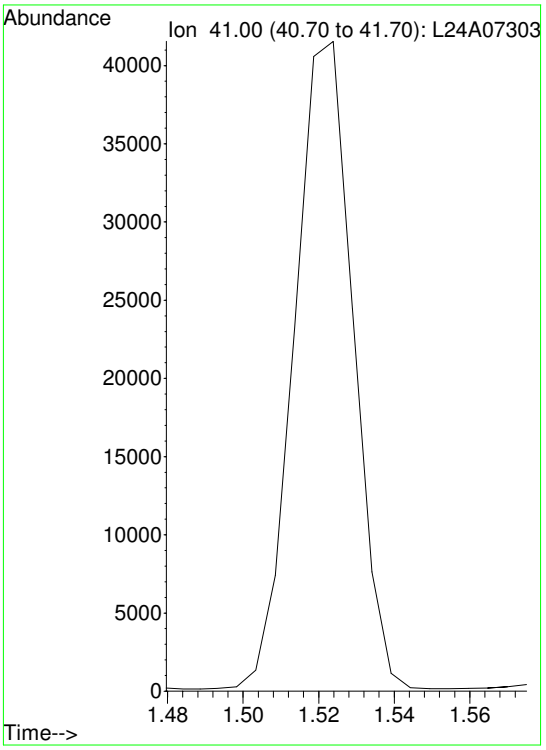
RT : 1.52
Area : 44462
Amount: 4.22568

Manual Int. Results

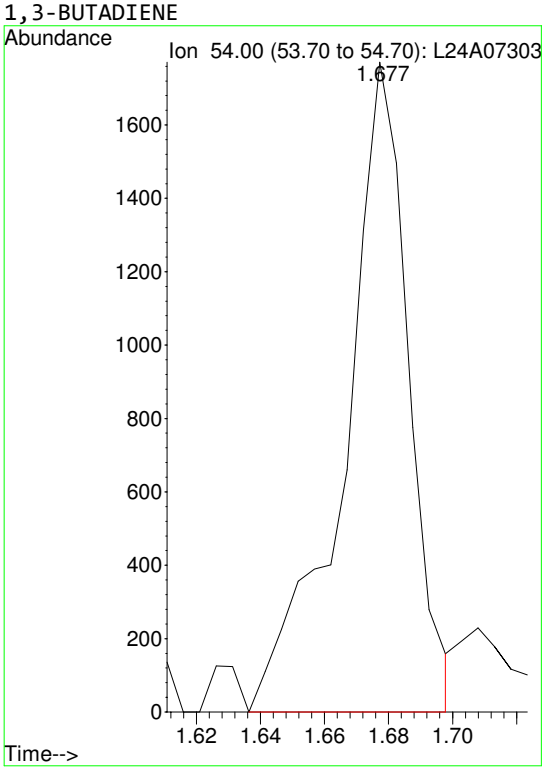
Fri Mar 15 11:10:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

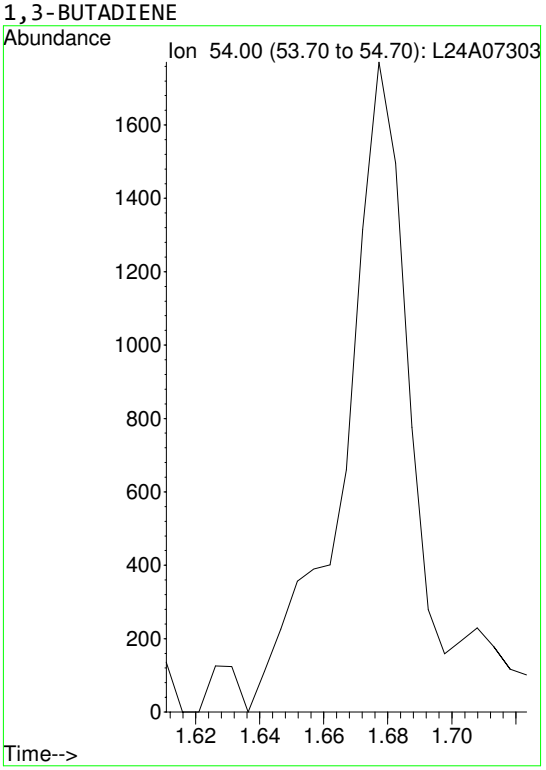
RT : 1.68
Area : 2436
Amount: 0.171186

Manual Int. Results

Fri Mar 15 11:10:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

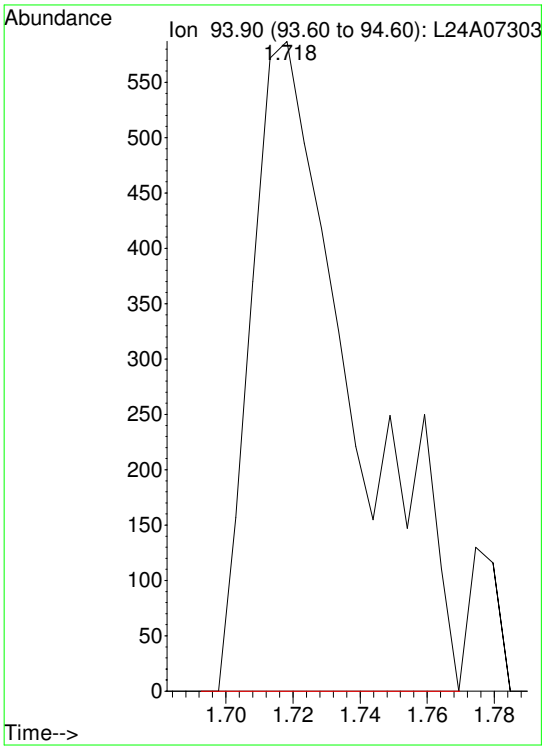
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

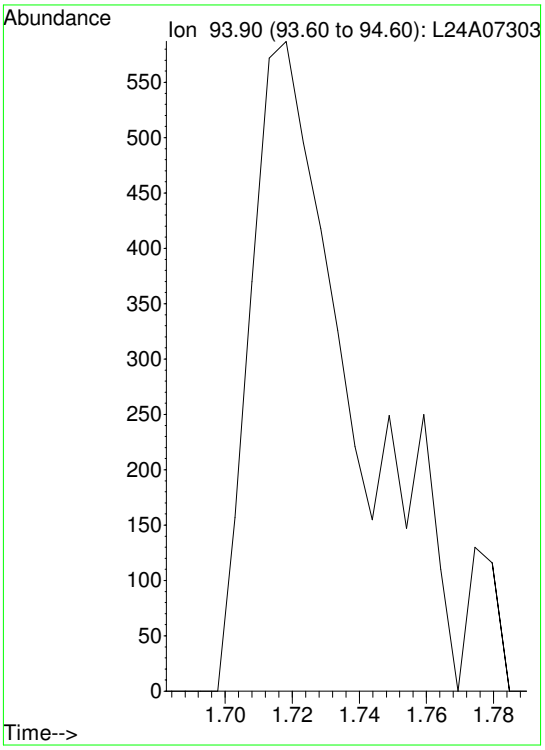
RT : 1.72
Area : 1245
Amount: 0.0764349

Manual Int. Results

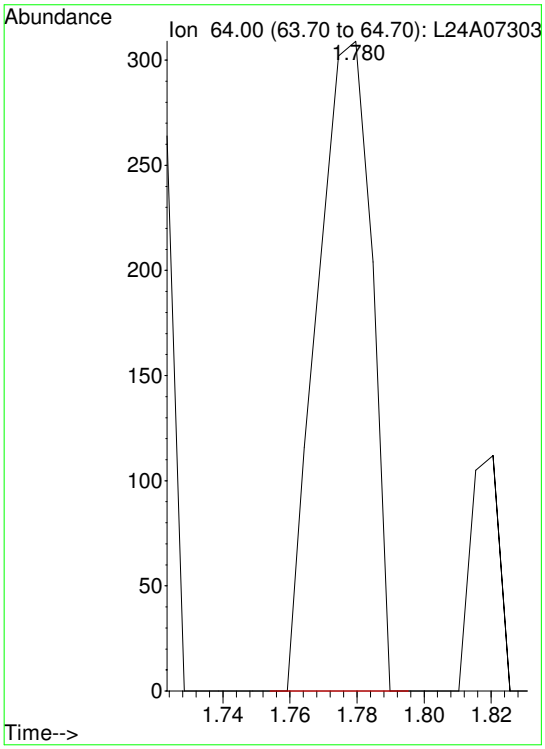
Fri Mar 15 11:11:00 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

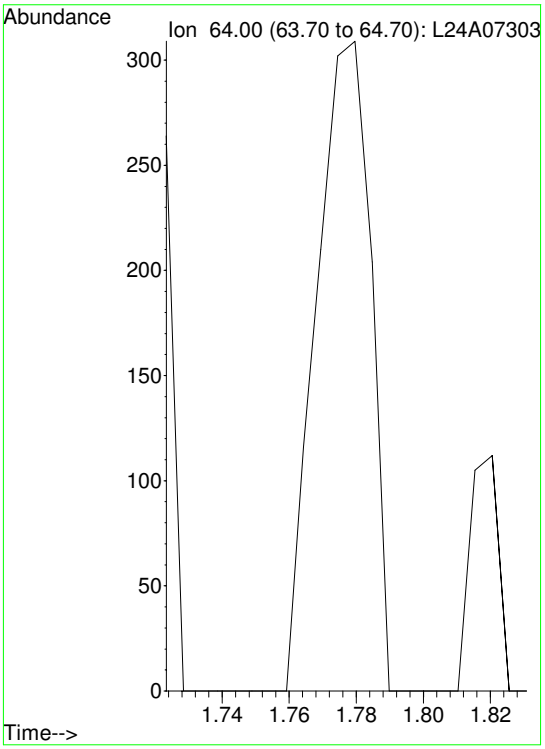
RT : 1.78
Area : 350
Amount: 0.0329226

Manual Int. Results

Fri Mar 15 11:11:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

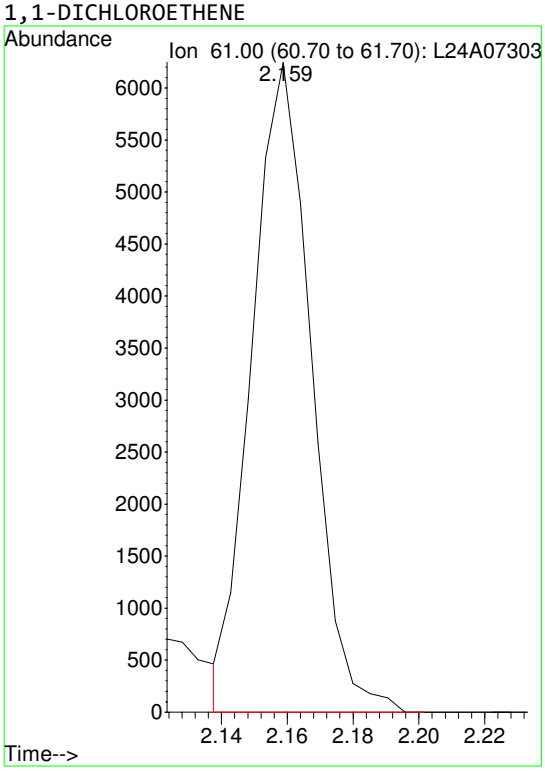
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

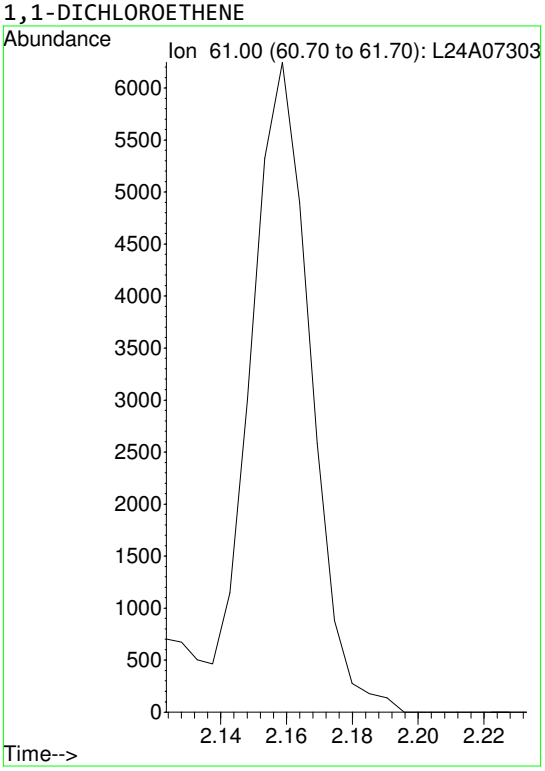
RT : 2.16
Area : 7854
Amount: 0.26987

Manual Int. Results

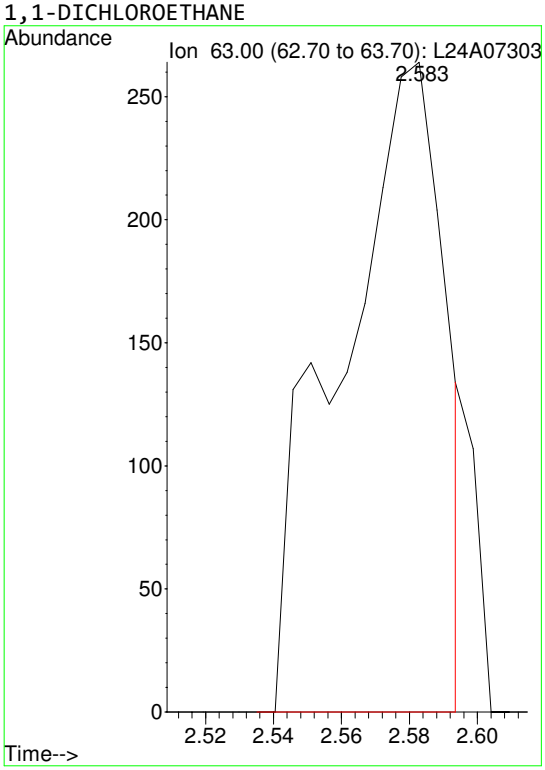
Fri Mar 15 11:11:20 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
1,1-DICHLOROETHANE



Original Int. Results

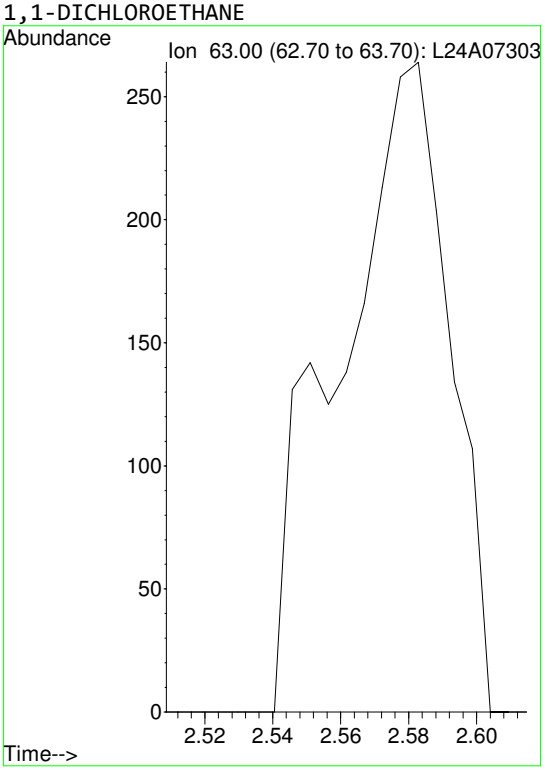
RT : 2.58
Area : 565
Amount: 0.0157113

Manual Int. Results

Fri Mar 15 11:11:27 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

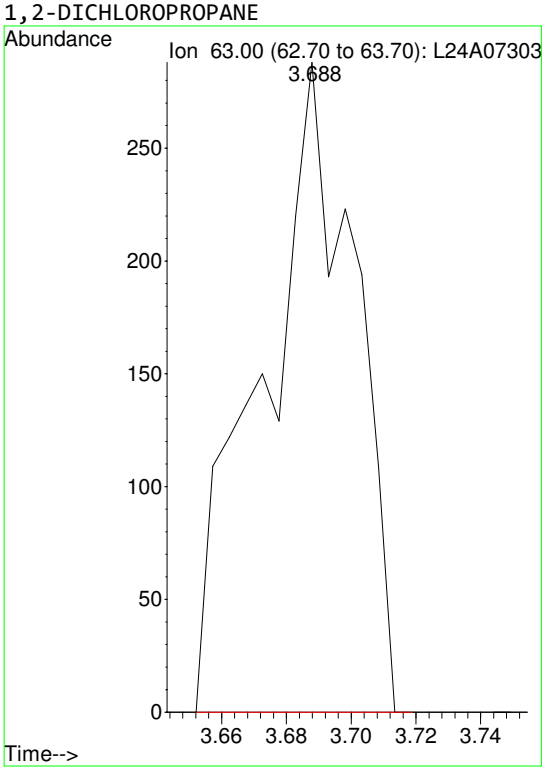
Manual Integration
1,1-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

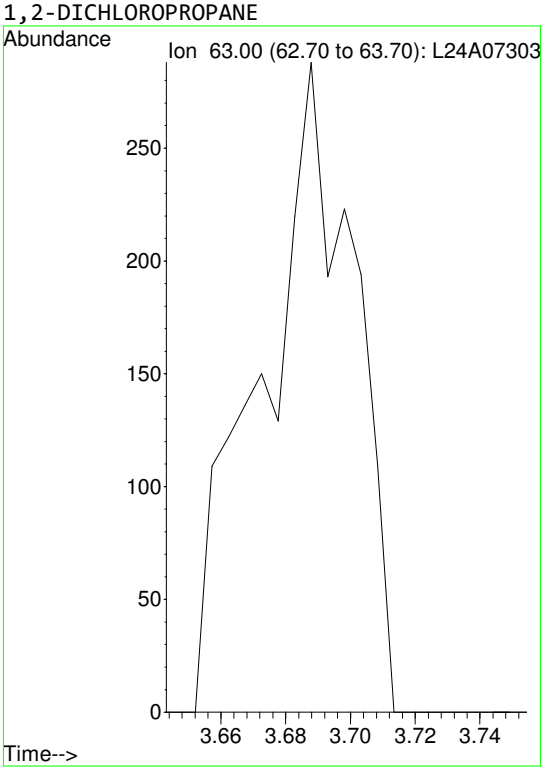
RT : 3.69
Area : 575
Amount: 0.0286984

Manual Int. Results

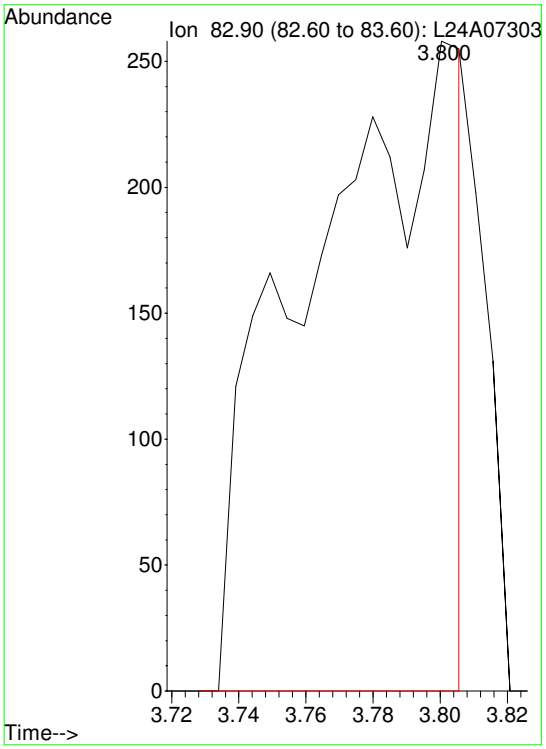
Fri Mar 15 11:11:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

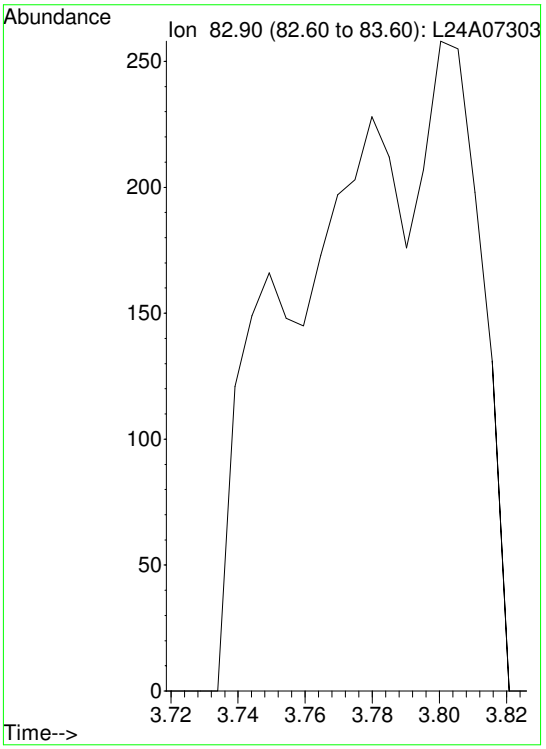
RT : 3.80
Area : 809
Amount: 0.0188718

Manual Int. Results

Fri Mar 15 11:11:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

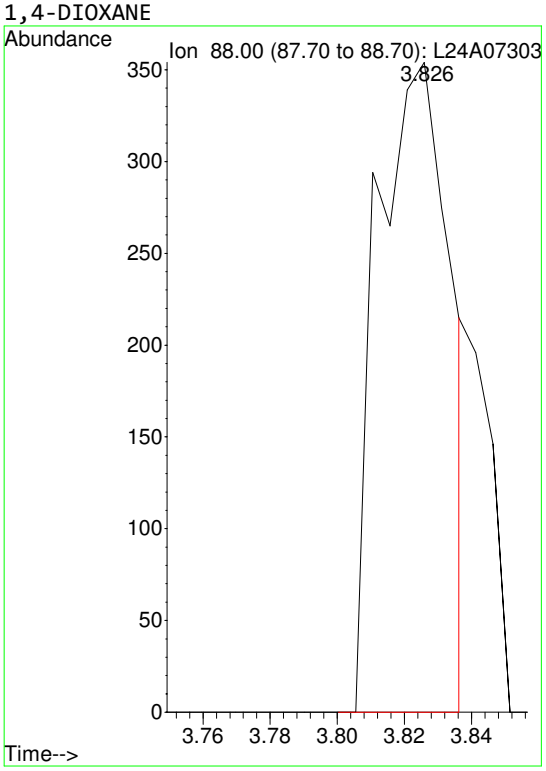
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

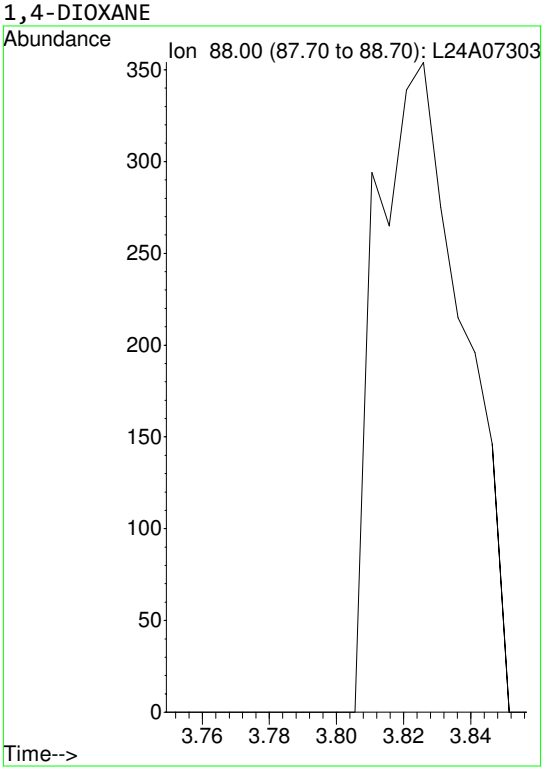
RT : 3.83
Area : 534
Amount: 0.0397896

Manual Int. Results

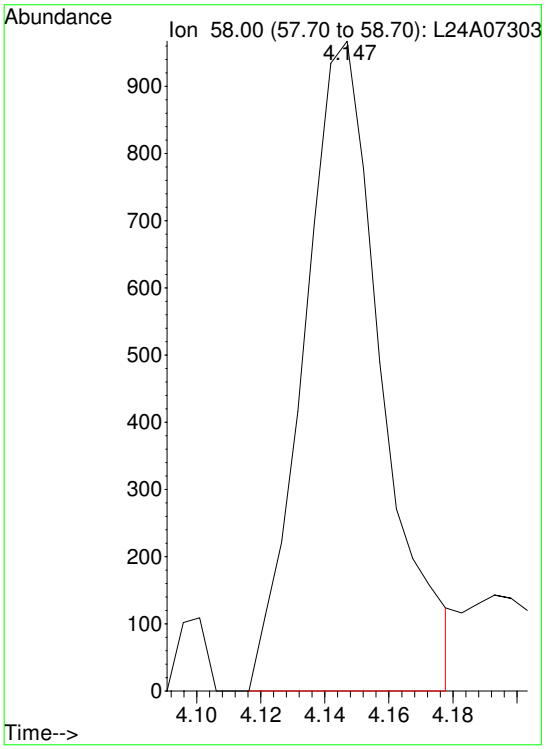
Fri Mar 15 11:11:53 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

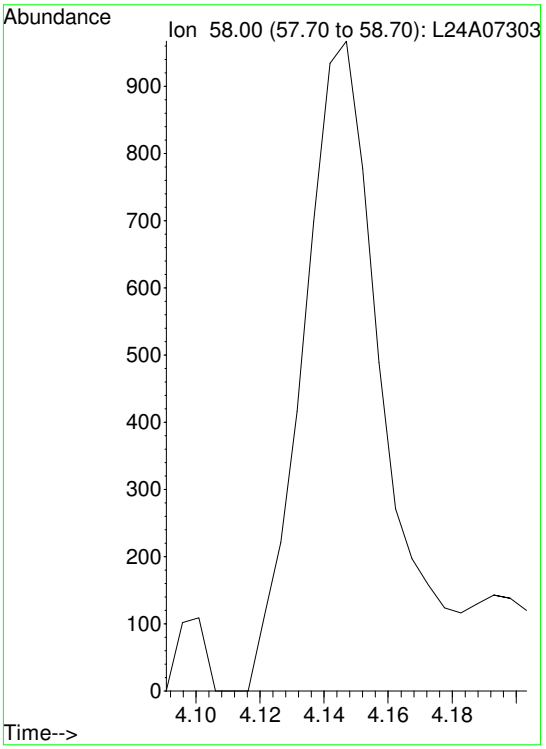
RT : 4.15
Area : 1646
Amount: 0.0885349

Manual Int. Results

Fri Mar 15 11:12:00 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

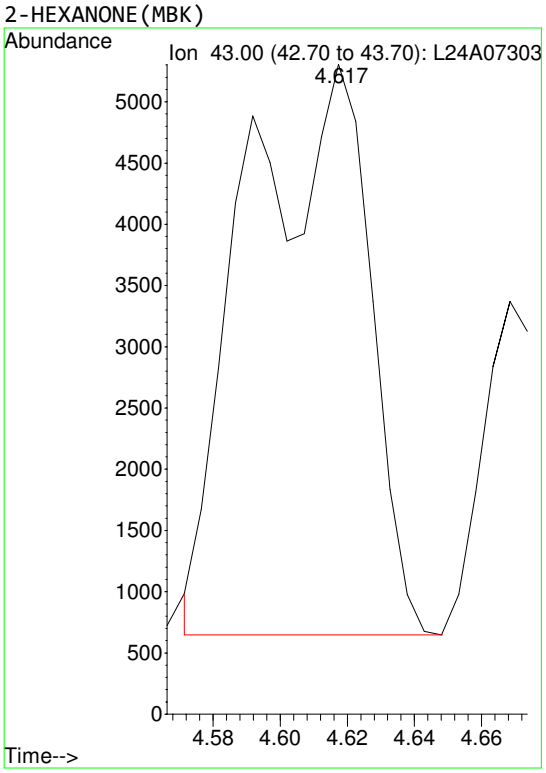
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

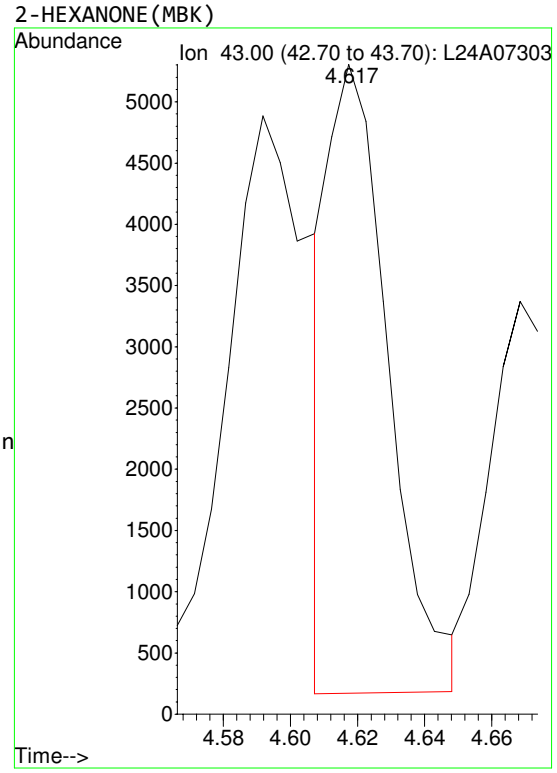
RT : 4.62
Area : 11809
Amount: 0.275052

Manual Int. Results

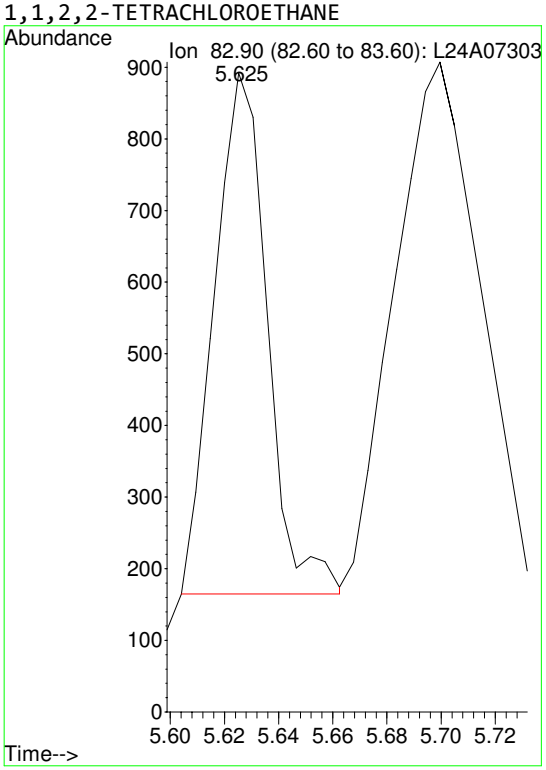
Fri Mar 15 11:12:08 2024

MIuser: TPH
Reason: Incorret Integration
RT : 4.62
Area : 6434
Amount: 0.149859

Manual Integration
2-HEXANONE(MBK)



Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

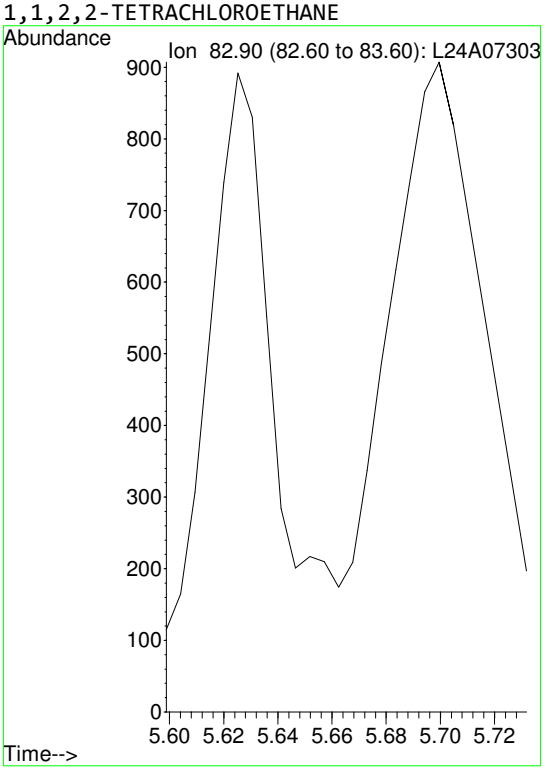
RT : 5.63
Area : 990
Amount: 0.0202115

Manual Int. Results

Fri Mar 15 11:12:30 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

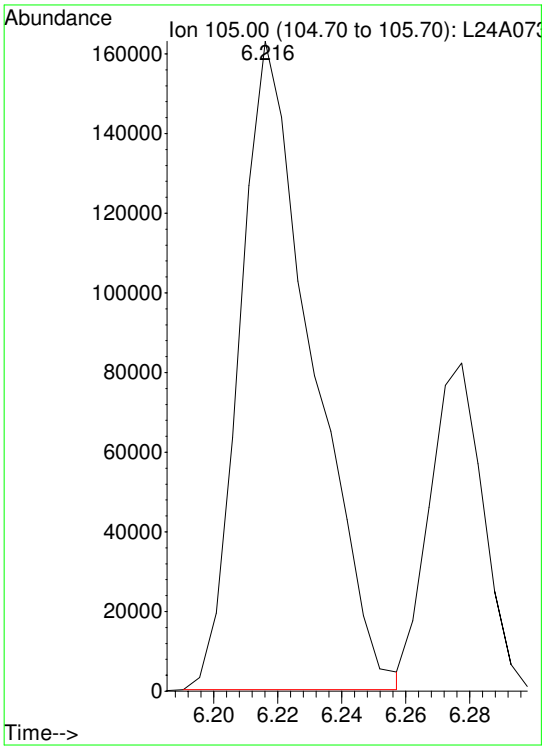
Manual Integration
1,1,2,2-TETRACHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
4-ETHYLTOLUENE



Original Int. Results

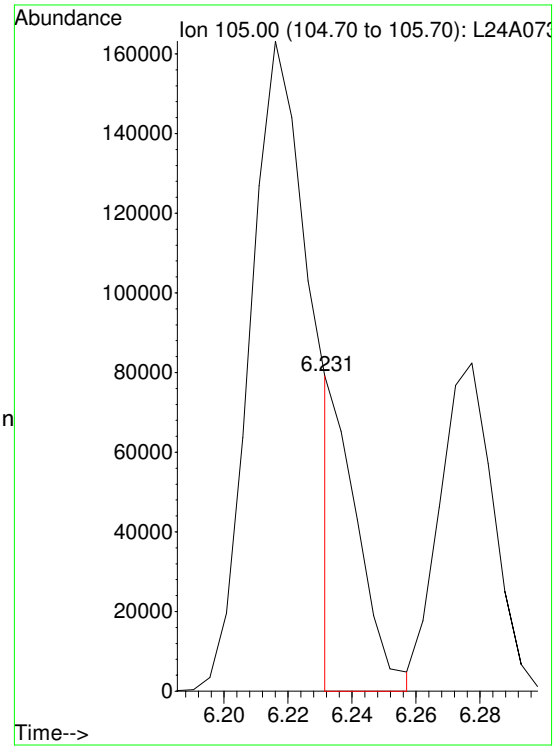
RT : 6.22
Area : 256738
Amount: 2.87415

Manual Int. Results

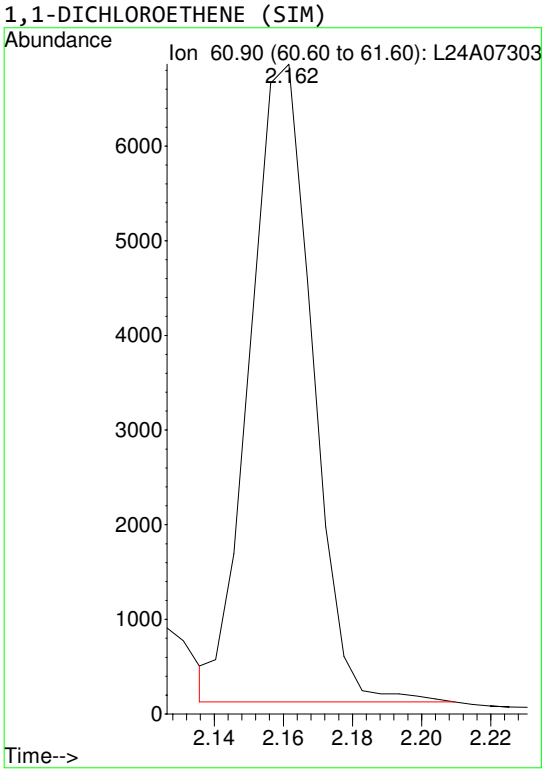
Fri Mar 15 11:12:36 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 42316
Amount: 0.473723

Manual Integration
4-ETHYLTOLUENE



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

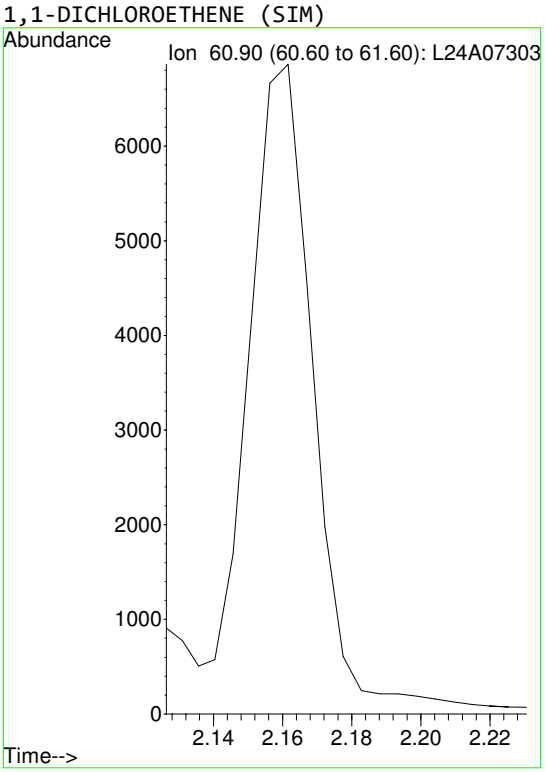
RT : 2.16
Area : 8363
Amount: 0.263381

Manual Int. Results

Fri Mar 15 11:12:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

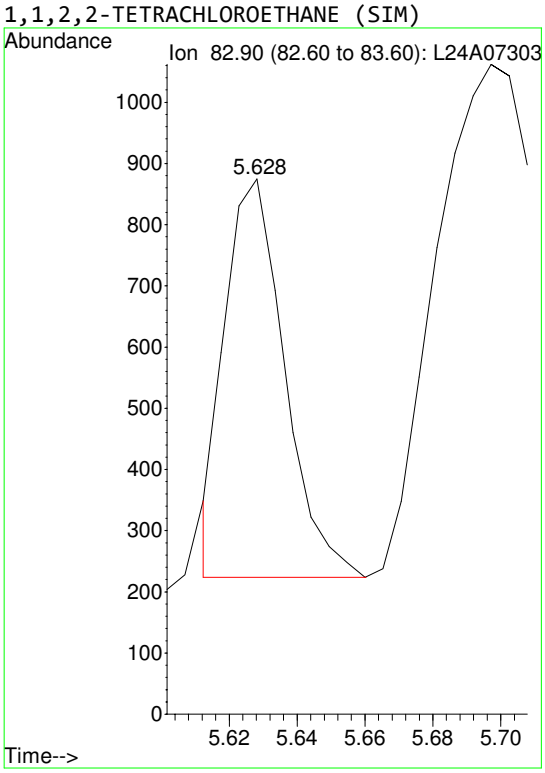
Manual Integration
1,1-DICHLOROETHENE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073030.D
Acq On : 14 Mar 2024 12:50 am
Operator : CMR
Sample : 24C0251-04 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:12:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

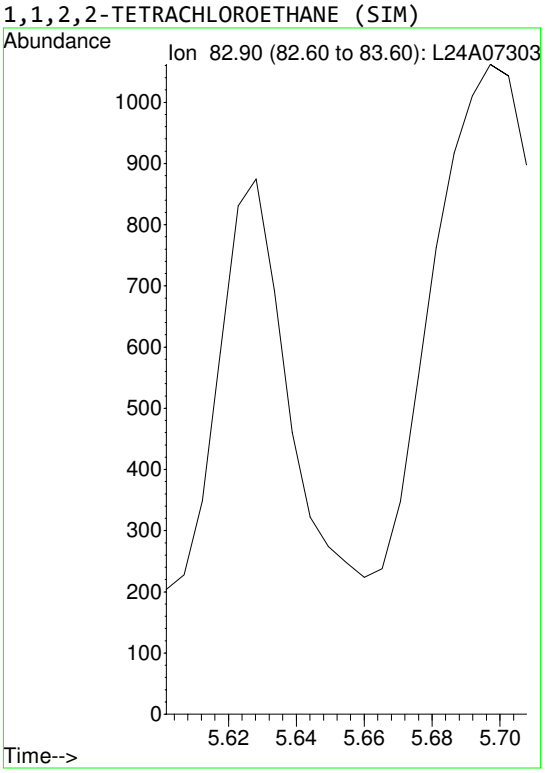
RT : 5.63
Area : 796
Amount: 0.014943

Manual Int. Results

Fri Mar 15 11:12:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-05	File ID:	L24A073038.D
Sampled:	02/28/24 18:34	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:55
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	9.9	2.0	4.0	
71-43-2	Benzene	0.052	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)	7.3	2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	6.0	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.39	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-05	File ID:	L24A073038.D
Sampled:	02/28/24 18:34	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:55
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	36	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.076	0.063	0.10	J
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol	3.4	2.1	4.0	J
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.11	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.078	0.050	0.10	J
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	0.22	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.25	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.074	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate	0.42	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-05	File ID:	L24A073038.D
Sampled:	02/28/24 18:34	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:55
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073038.D Vial: 33
Acq On : 14 Mar 2024 04:55 am Operator: CMR
Sample : 24C0251-05 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:12 2024

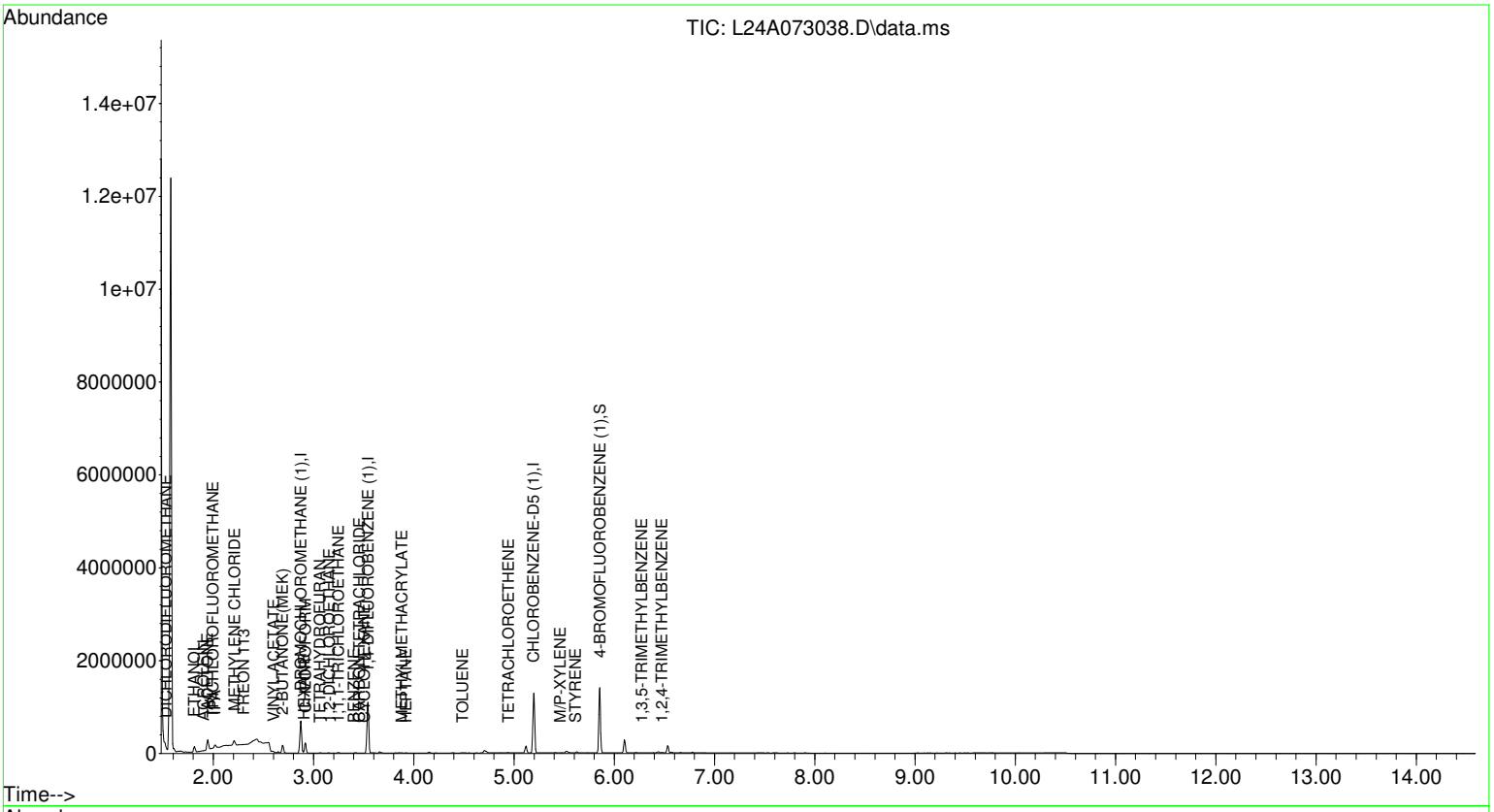
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073038.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

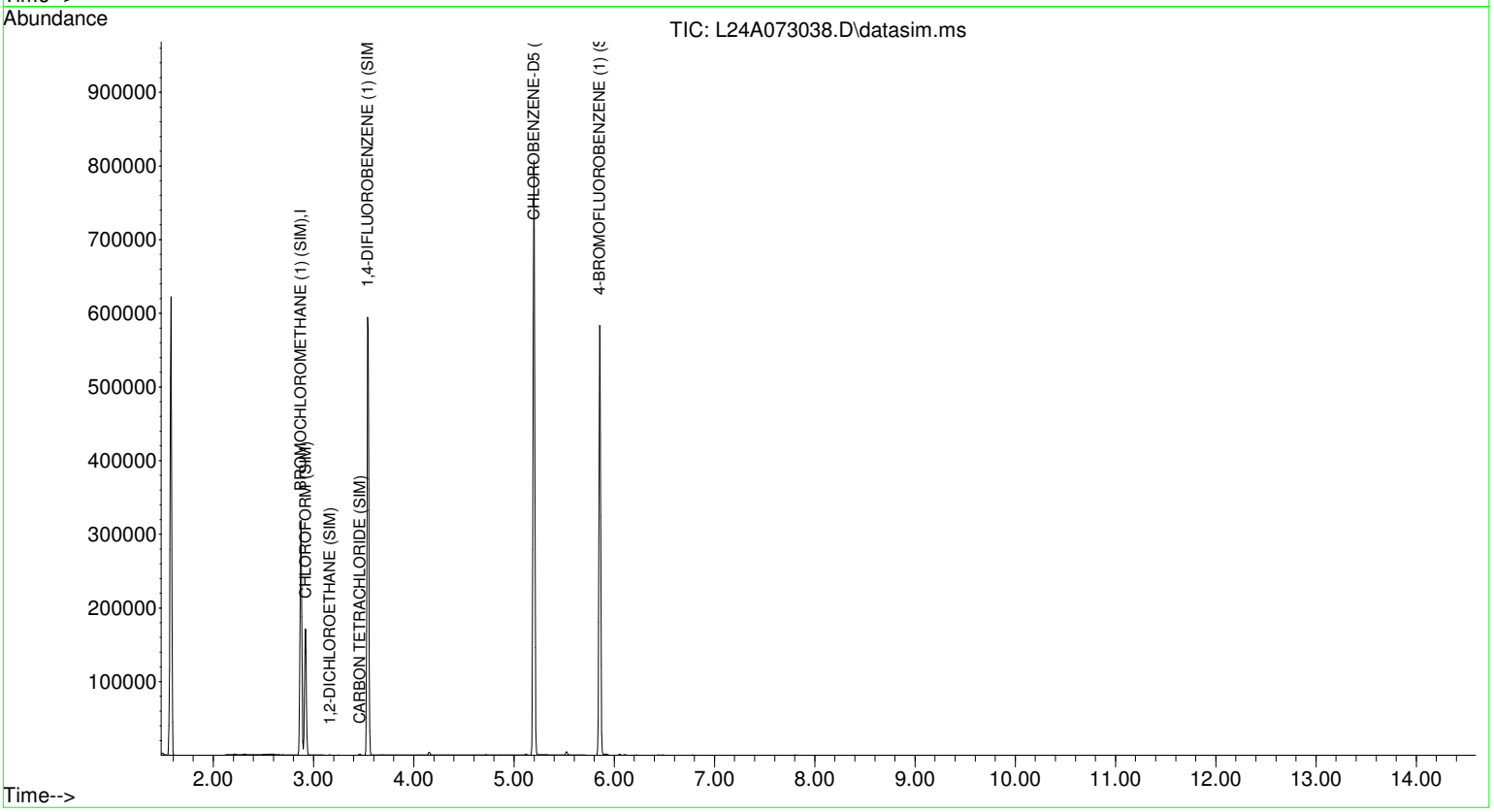
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.874	49	203097	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	598684	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.194	117	560669	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	221453	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	638749	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	612968	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	279908	7.253	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery =	90.63%		
87) 4-BROMOFLUOROBENZENE (...	5.853	174	294418	7.503	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery =	93.75%		
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	8772	0.195	PPBV	96
10) ACROLEIN	1.903	56	2816	0.349	PPBV	100
11) ACETONE	1.944	43	141448	4.965	PPBV	69
12) TRICHLOROFLUOROMETHANE	1.995	101	5708	0.124	PPBV	97
13) ETHANOL	1.811	45	79789	18.142	PPBV	99
15) METHYLENE CHLORIDE	2.212	49	1261	0.057	PPBV	93
16) FREON 113	2.302	101	1332	0.037	PPBV	91
21) IPA	2.015	45	51246	1.710	PPBV	99
22) 2-BUTANONE(MEK)	2.689	43	128760	3.671	PPBV	89
24) VINYL ACETATE	2.604	43	7793	0.210	PPBV #	72
25) HEXANE	2.906	41	954	0.050	PPBV #	11
27) CHLOROFORM	2.917	83	110528	3.025	PPBV	97
28) TETRAHYDROFURAN	3.065	42	3017	0.130	PPBV #	8
29) 1,2-DICHLOROETHANE	3.157	62	444	0.018	PPBV #	92
31) 1,1,1-TRICHLOROETHANE	3.249	97	4212	0.111	PPBV	95
32) BENZENE	3.405	78	1390	0.026	PPBV	98
33) CARBON TETRACHLORIDE	3.458	117	978	0.026	PPBV	96
34) CYCLOHEXANE	3.505	84	701	0.031	PPBV	82
39) METHYLMETHACRYLATE	3.881	69	1112	0.059	PPBV #	67
40) HEPTANE	3.922	57	658	0.038	PPBV #	79
46) TOLUENE	4.489	91	2545	0.039	PPBV	98
50) TETRACHLOROETHENE	4.944	166	1581	0.054	PPBV	99
53) M/P-XYLENE	5.459	91	1073	0.016	PPBV	83
55) STYRENE	5.613	104	1701	0.036	PPBV	79
60) 1,3,5-TRIMETHYLBENZENE	6.275	105	905	0.012	PPBV	90
61) 1,2,4-TRIMETHYLBENZENE	6.474	105	2007	0.028	PPBV #	92
75] CHLOROFORM (SIM)	2.920	83	119719	3.062	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	462	0.018	PPBV	95
78] CARBON TETRACHLORIDE (...	3.461	117	1011	0.024	PPBV	98

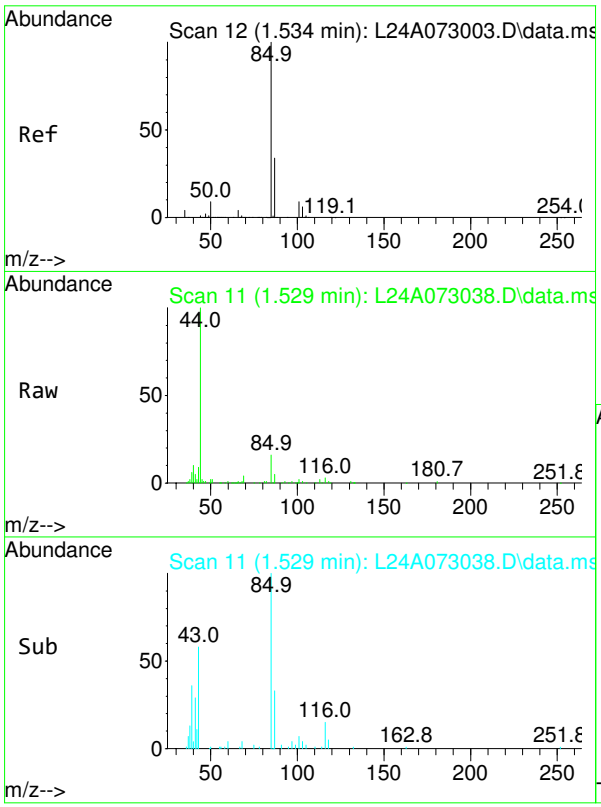
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073038.D Vial: 33
Acq On : 14 Mar 2024 04:55 am Operator: CMR
Sample : 24C0251-05 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:12 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073038.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



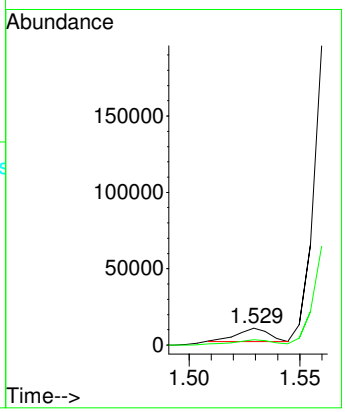


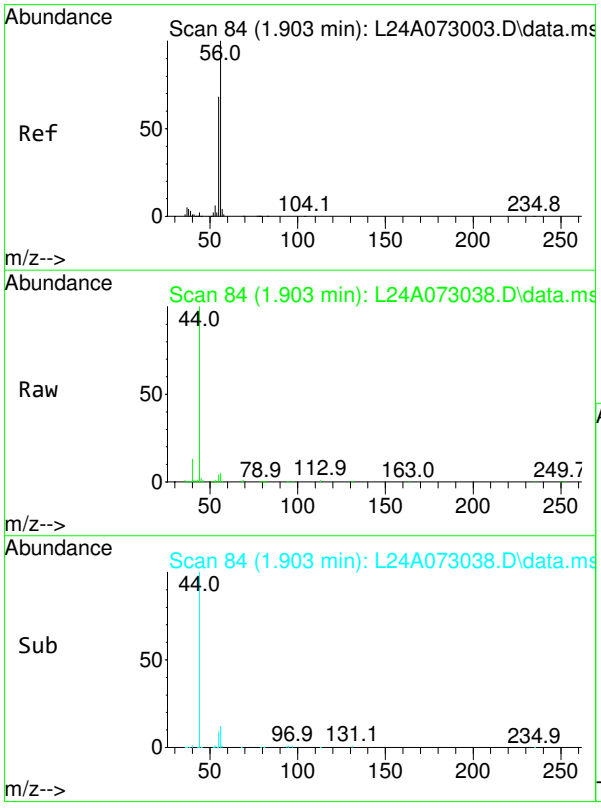


#3
DICHLORODIFLUOROMETHANE
Concen: 0.20 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 85 Resp: 8772

Ion	Ratio	Lower	Upper
85	100		
87	29.9	12.0	52.0

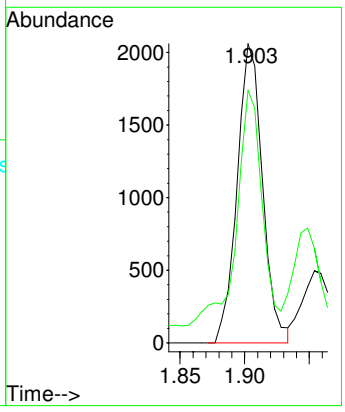


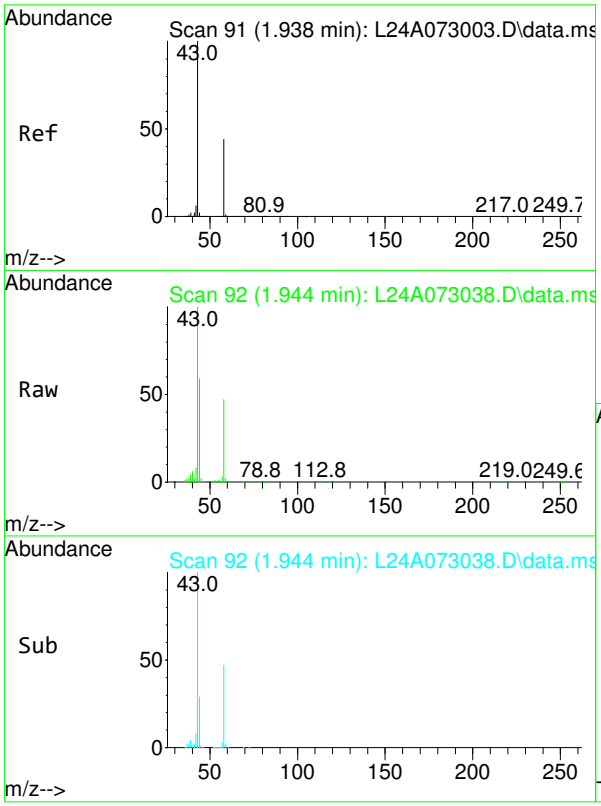


#10
ACROLEIN
Concen: 0.35 PPBV
RT: 1.903 min Scan# 84
Delta R.T. -0.000 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 56 Resp: 2816

Ion	Ratio	Lower	Upper
56	100		
55	71.4	51.4	91.4

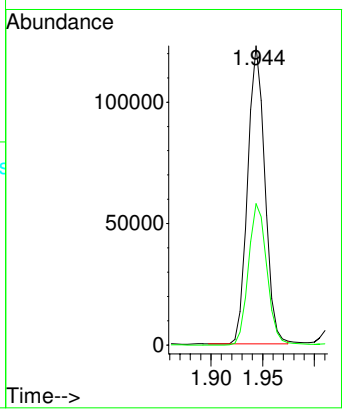


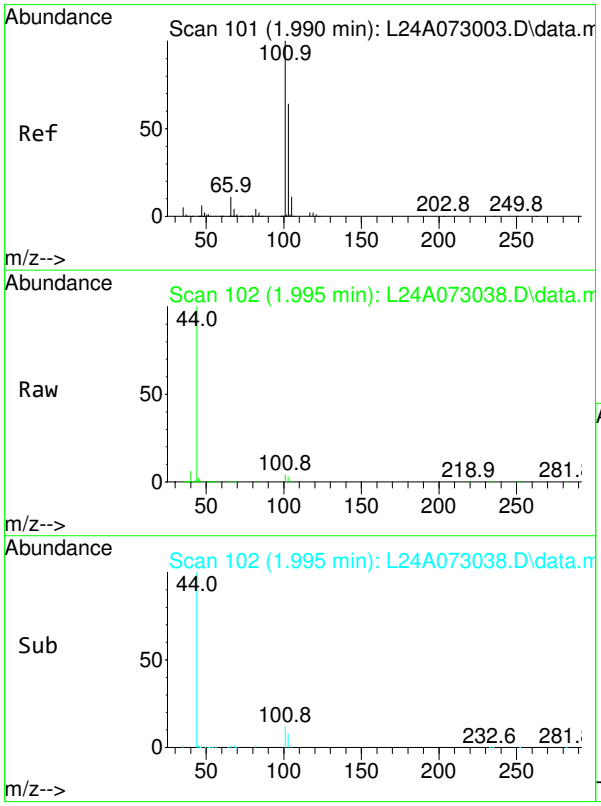


#11
ACETONE
Concen: 4.96 PPBV
RT: 1.944 min Scan# 92
Delta R.T. 0.005 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 43 Resp: 141448

Ion	Ratio	Lower	Upper
43	100		
58	50.9	13.1	53.1

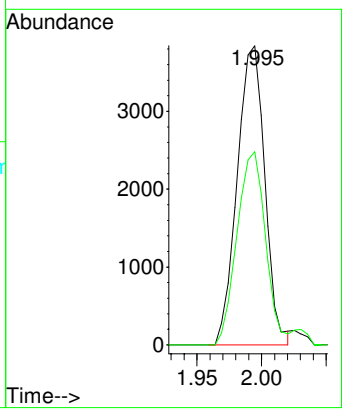


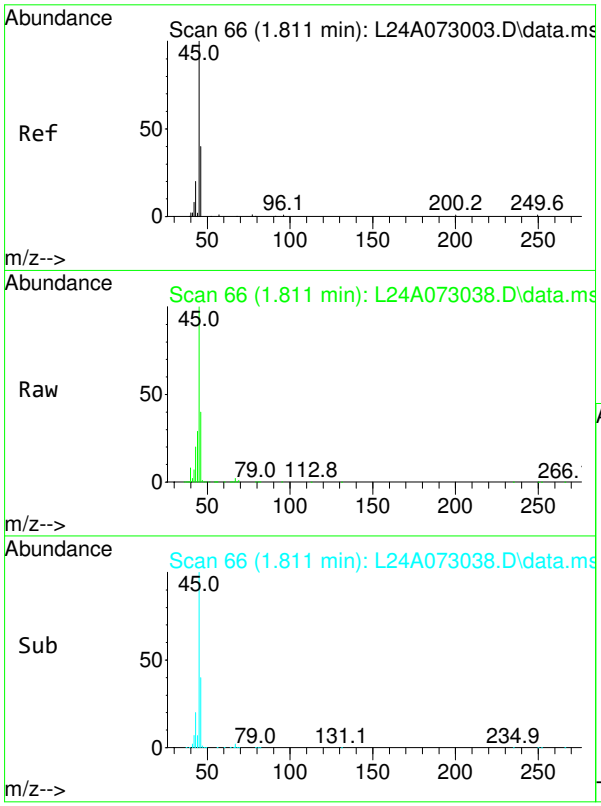


#12
TRICHLOROFLUOROMETHANE
Concen: 0.12 PPBV
RT: 1.995 min Scan# 102
Delta R.T. 0.008 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:101 Resp: 5708

Ion	Ratio	Lower	Upper
101	100		
103	66.8	44.7	84.7

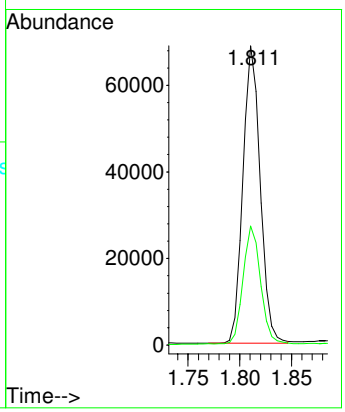


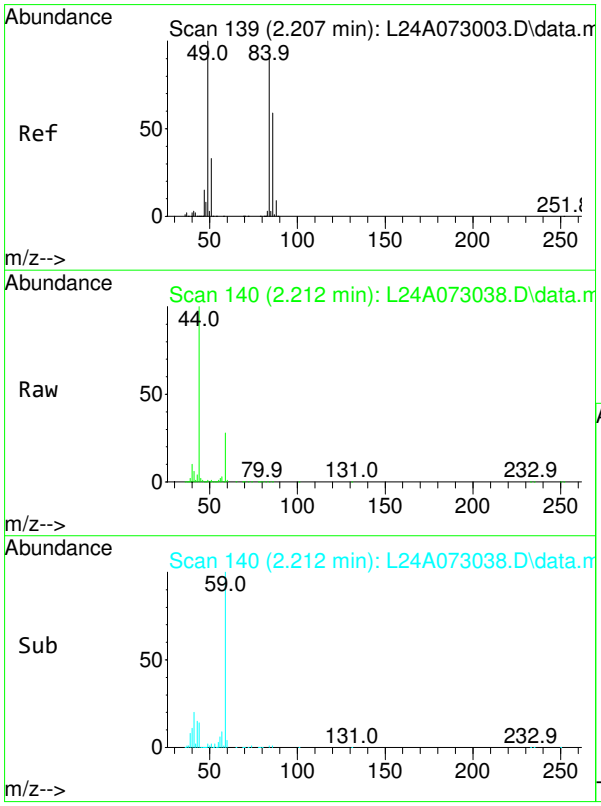


#13
ETHANOL
Concen: 18.14 PPBV
RT: 1.811 min Scan# 66
Delta R.T. 0.003 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 45 Resp: 79789

Ion	Ratio	Lower	Upper
45	100		
46	40.0	20.5	60.5

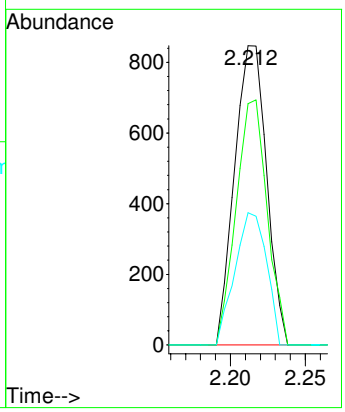


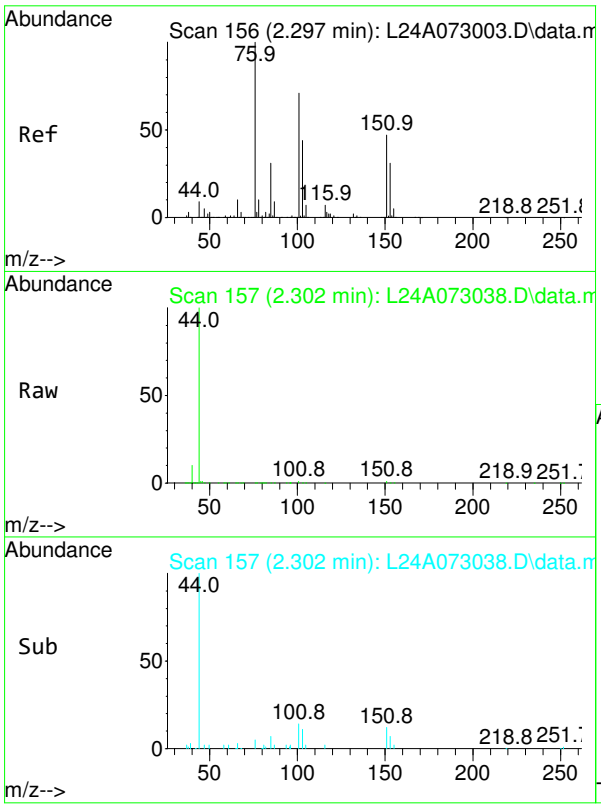


#15
METHYLENE CHLORIDE
Concen: 0.06 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 49 Resp: 1261

Ion	Ratio	Lower	Upper
49	100		
84	79.2	52.0	92.0
86	43.5	27.3	67.3

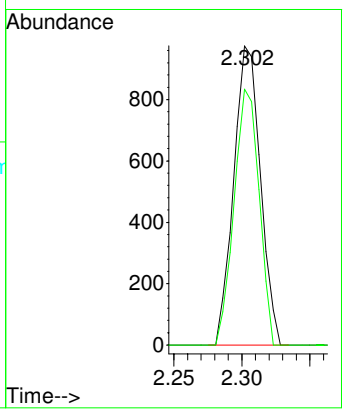


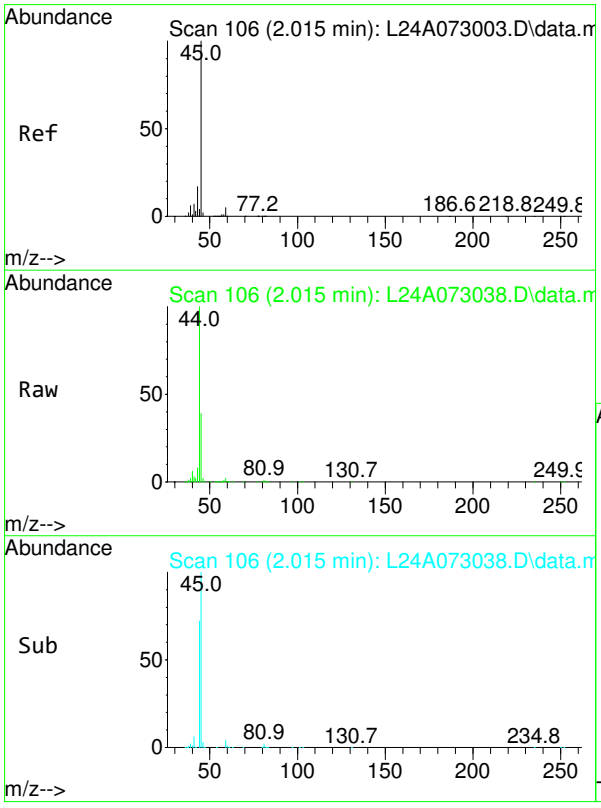


#16
FREON 113
Concen: 0.04 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:101 Resp: 1332

Ion	Ratio	Lower	Upper
101	100		
151	80.1	52.3	92.3

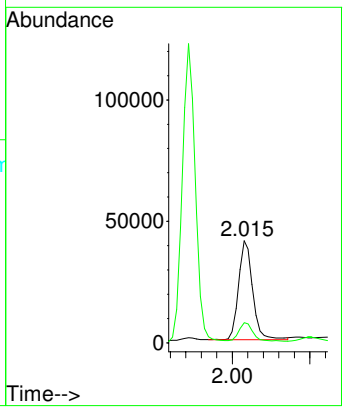


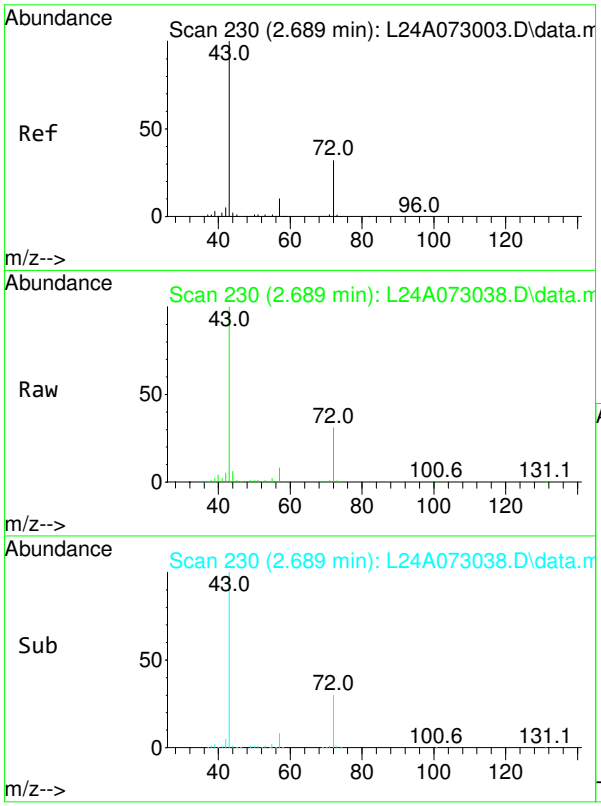


#21
IPA
Concen: 1.71 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 45 Resp: 51246

Ion	Ratio	Lower	Upper
45	100		
43	18.7	0.0	39.3

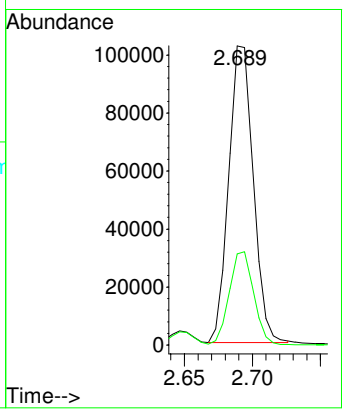


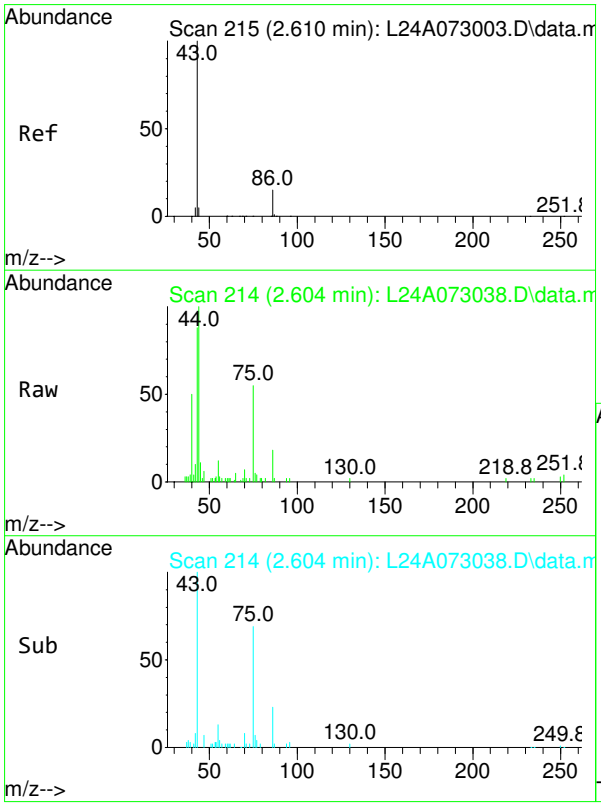


#22
2-BUTANONE(MEK)
Concen: 3.67 PPBV
RT: 2.689 min Scan# 230
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 43 Resp: 128760

Ion	Ratio	Lower	Upper
43	100		
72	30.9	5.6	45.6

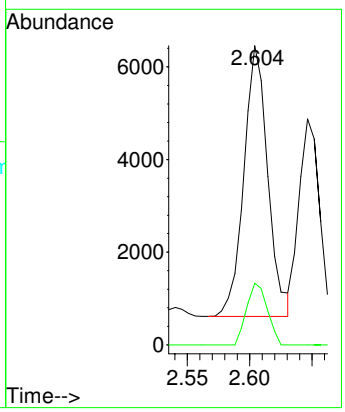


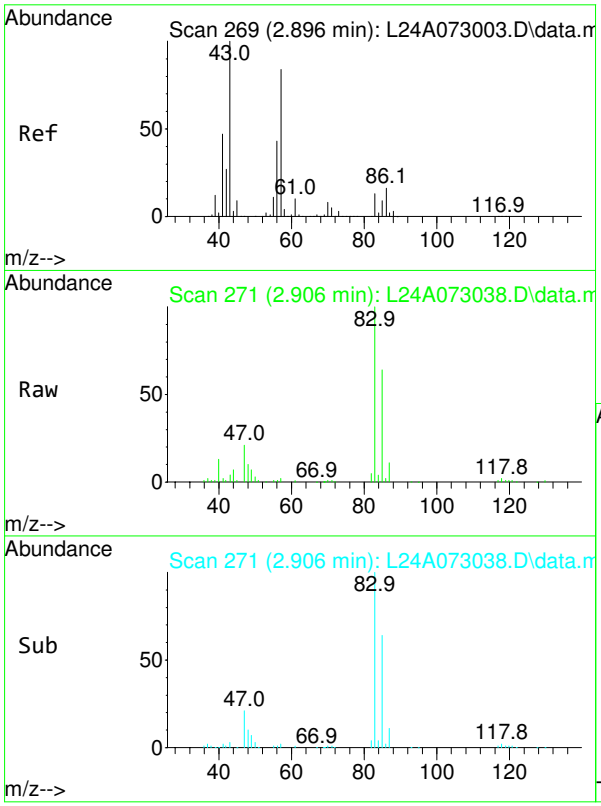


#24
VINYL ACETATE
Concen: 0.21 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 43 Resp: 7793

Ion	Ratio	Lower	Upper
43	100		
86	19.7	0.0	19.5#

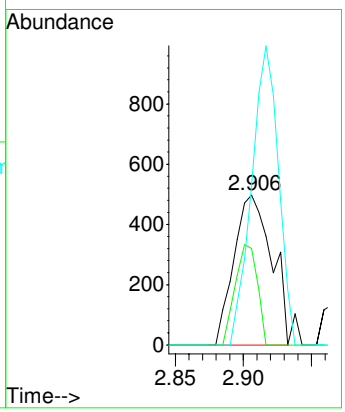


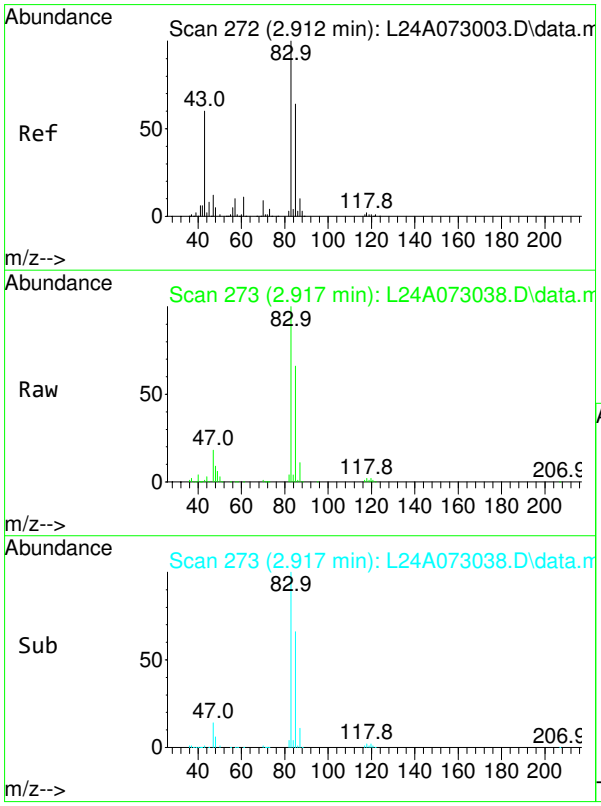


#25
HEXANE
Concen: 0.05 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 41 Resp: 954

Ion	Ratio	Lower	Upper
41	100		
56	39.5	52.3	92.3#
86	142.7	16.1	36.1#

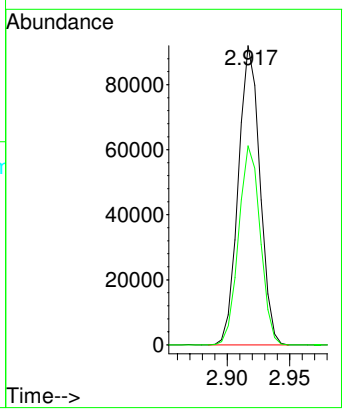


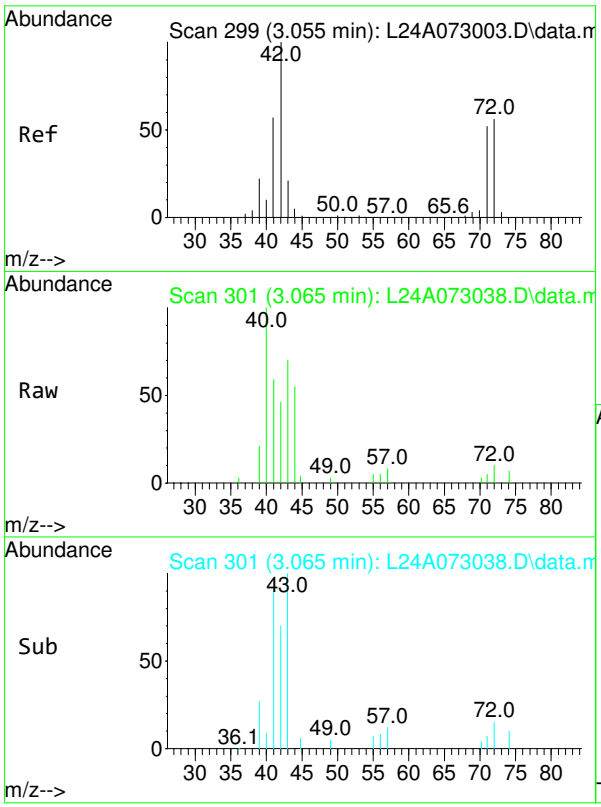


#27
CHLOROFORM
Concen: 3.02 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 83 Resp: 110528

Ion	Ratio	Lower	Upper
83	100		
85	66.9	44.8	84.8

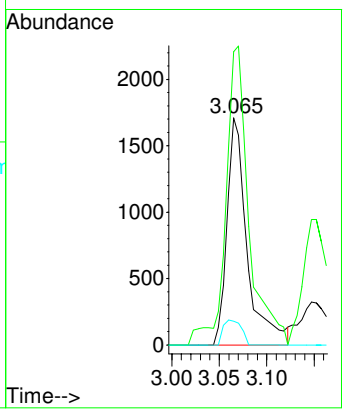


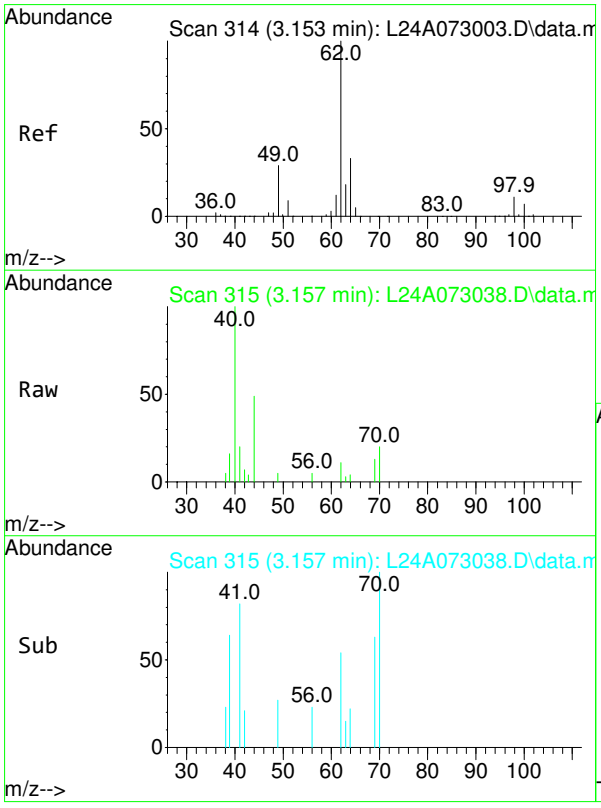


#28
TETRAHYDROFURAN
Concen: 0.13 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 42 Resp: 3017

Ion	Ratio	Lower	Upper
42	100		
41	140.0	33.5	73.5#
71	8.2	24.0	64.0#

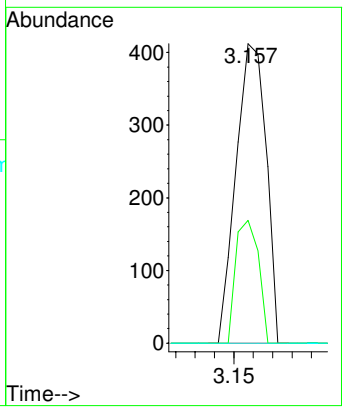


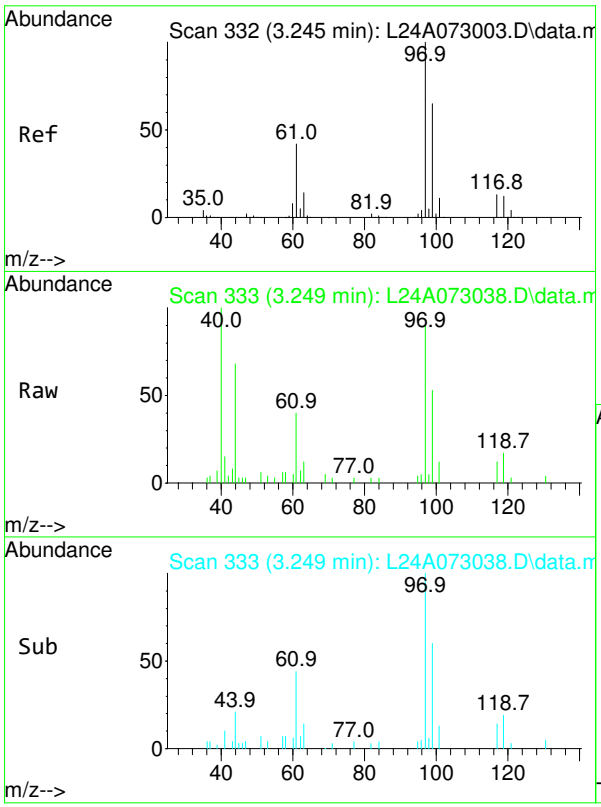


#29
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 3.157 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 62 Resp: 444

Ion	Ratio	Lower	Upper
62	100		
64	31.1	13.0	53.0
98	0.0	0.0	19.3

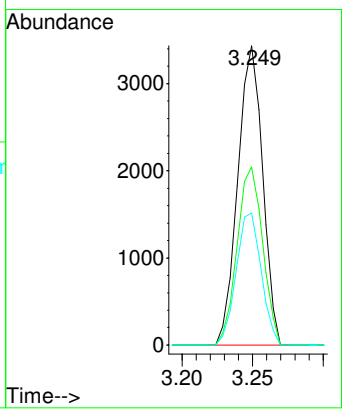


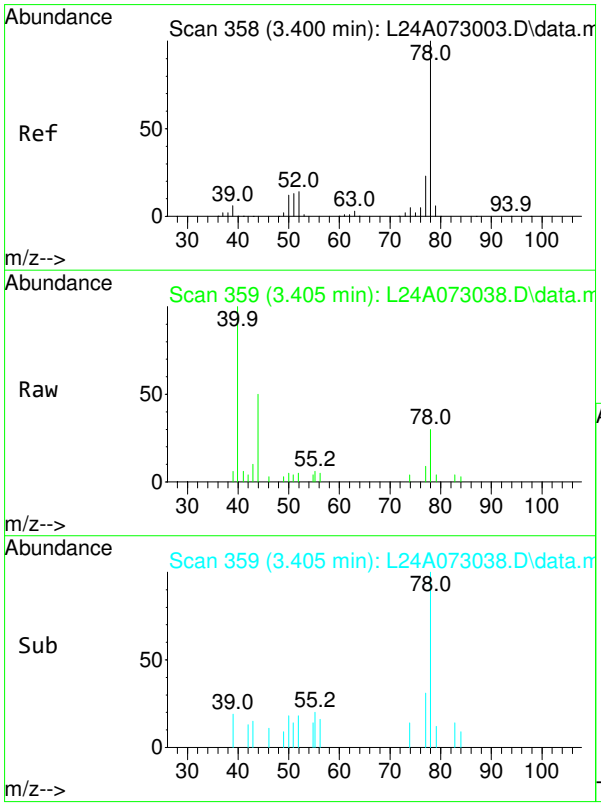


#31
1,1,1-TRICHLOROETHANE
Concen: 0.11 PPBV
RT: 3.249 min Scan# 333
Delta R.T. 0.004 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 97 Resp: 4212

Ion	Ratio	Lower	Upper
97	100		
99	61.1	45.3	85.3
61	44.4	28.1	68.1

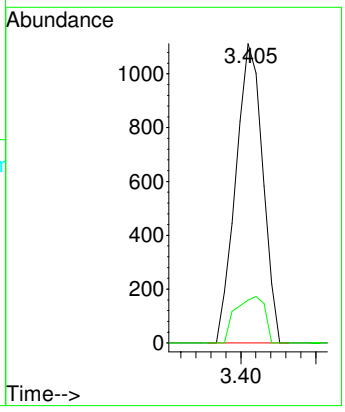


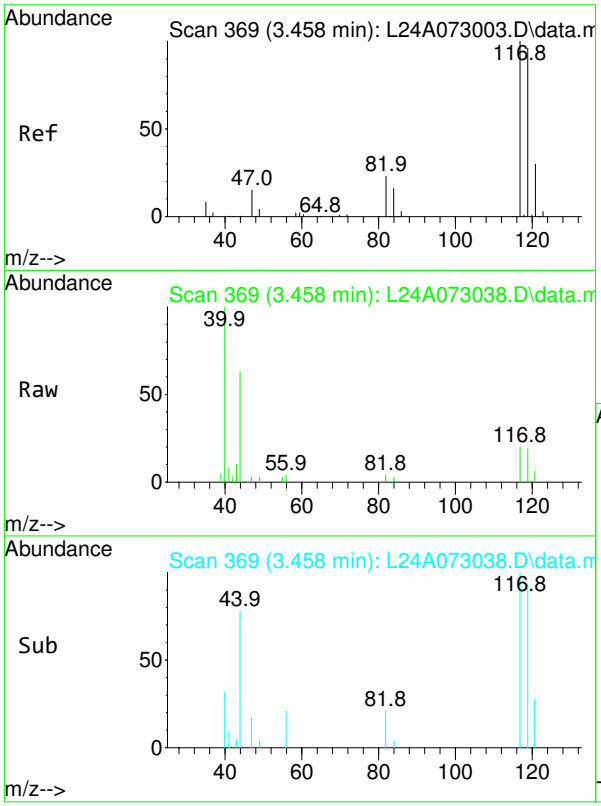


#32
BENZENE
Concen: 0.03 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 78 Resp: 1390

Ion	Ratio	Lower	Upper
78	100		
51	16.8	0.0	37.7

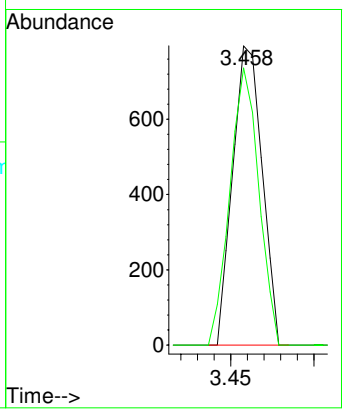


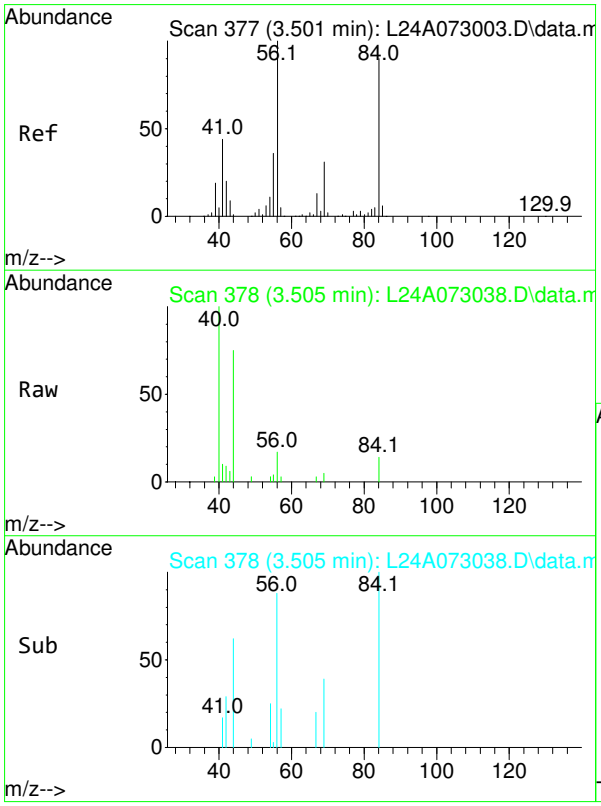


#33
CARBON TETRACHLORIDE
Concen: 0.03 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:117 Resp: 978

Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.3	115.3

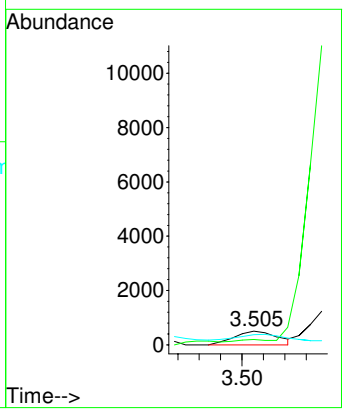


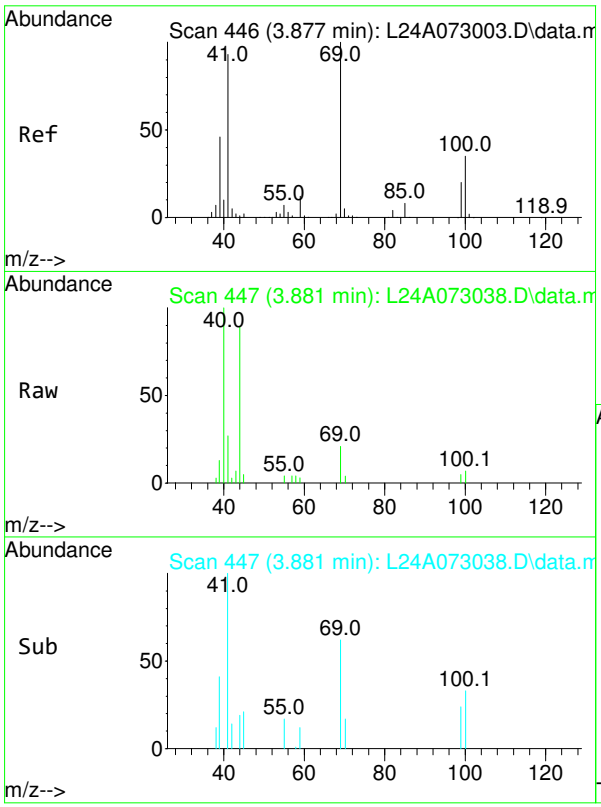


#34
CYCLOHEXANE
Concen: 0.03 PPBV
RT: 3.505 min Scan# 378
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 84 Resp: 701

Ion	Ratio	Lower	Upper
84	100		
69	28.7	17.7	57.7
41	49.4	44.6	84.6

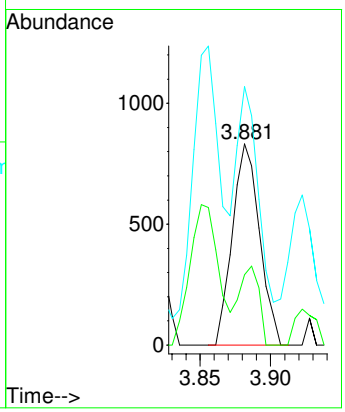


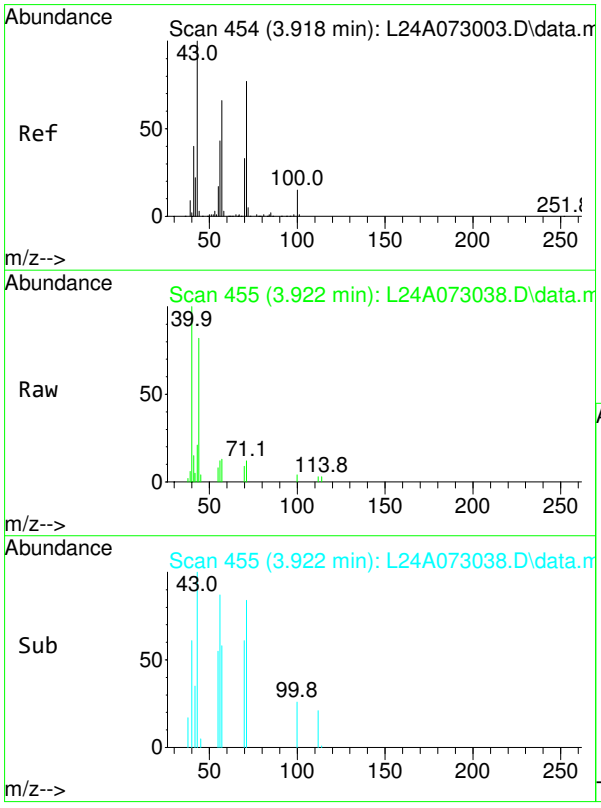


#39
METHYLMETHACRYLATE
Concen: 0.06 PPBV
RT: 3.881 min Scan# 447
Delta R.T. -0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 69 Resp: 1112

Ion	Ratio	Lower	Upper
69	100		
100	28.7	18.0	58.0
41	79.0	102.8	142.8#

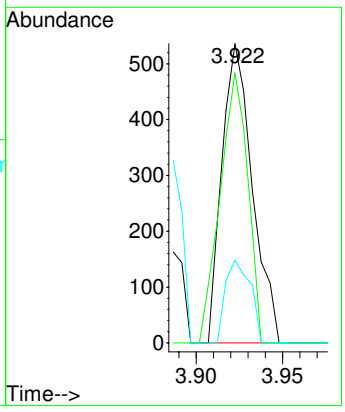


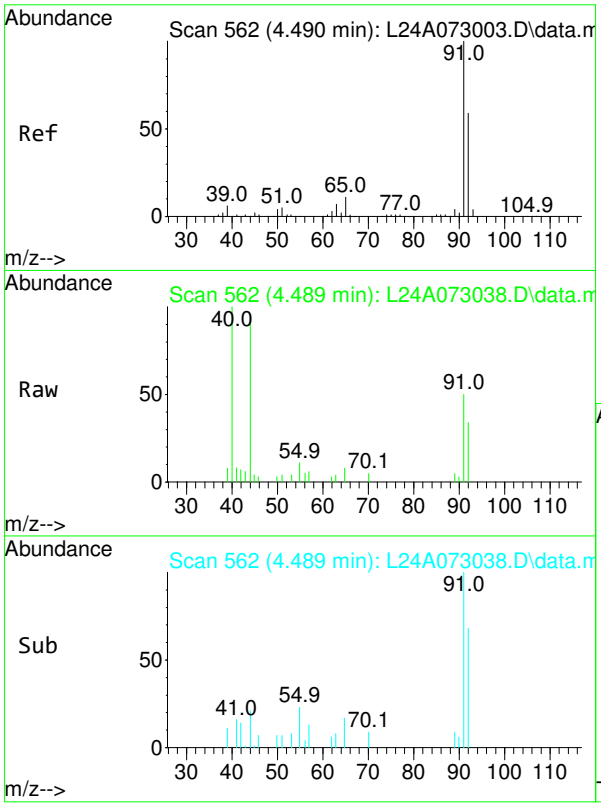


#40
HEPTANE
Concen: 0.04 PPBV
RT: 3.922 min Scan# 455
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 57 Resp: 658

Ion	Ratio	Lower	Upper
57	100		
71	81.9	87.9	127.9#
100	22.6	4.4	44.4

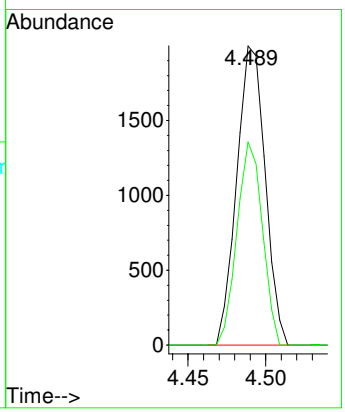


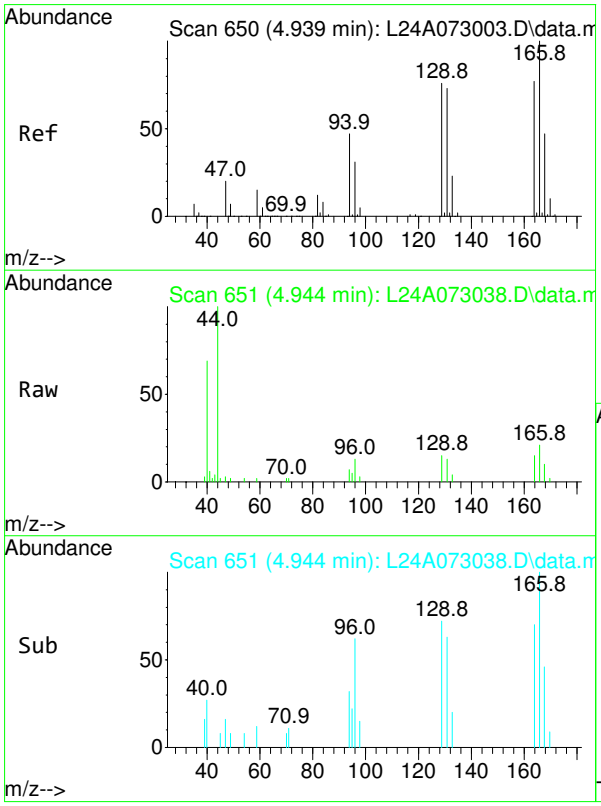


#46
TOLUENE
Concen: 0.04 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 91 Resp: 2545

Ion	Ratio	Lower	Upper
91	100		
92	60.5	39.1	79.1

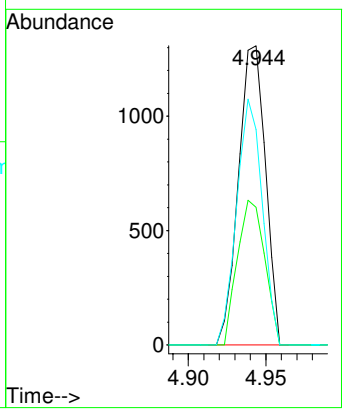


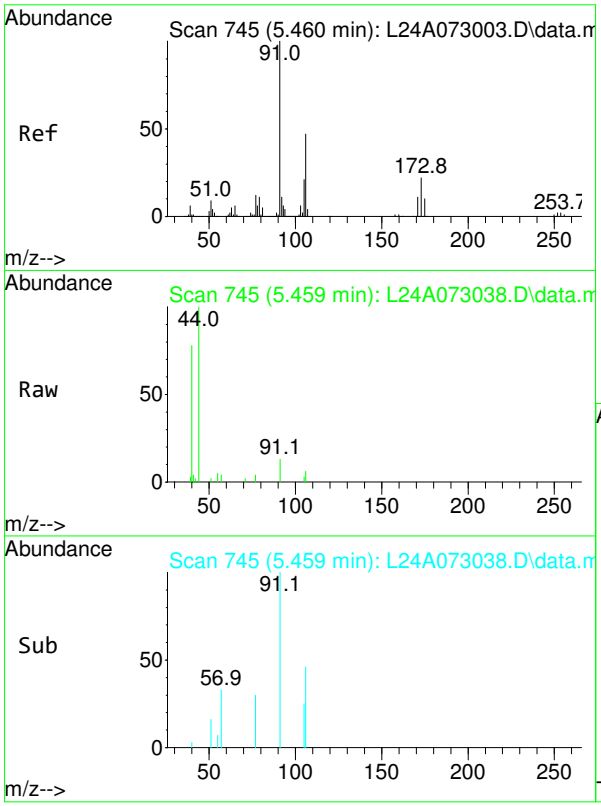


#50
TETRACHLOROETHENE
Concen: 0.05 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:166 Resp: 1581

Ion	Ratio	Lower	Upper
166	100		
168	48.9	28.8	68.8
129	77.9	56.6	96.6

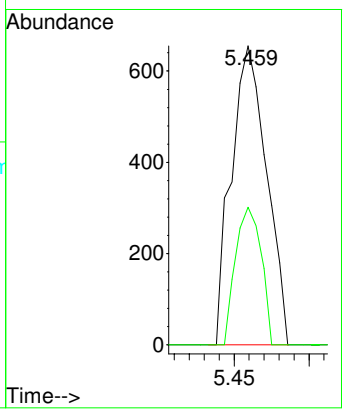


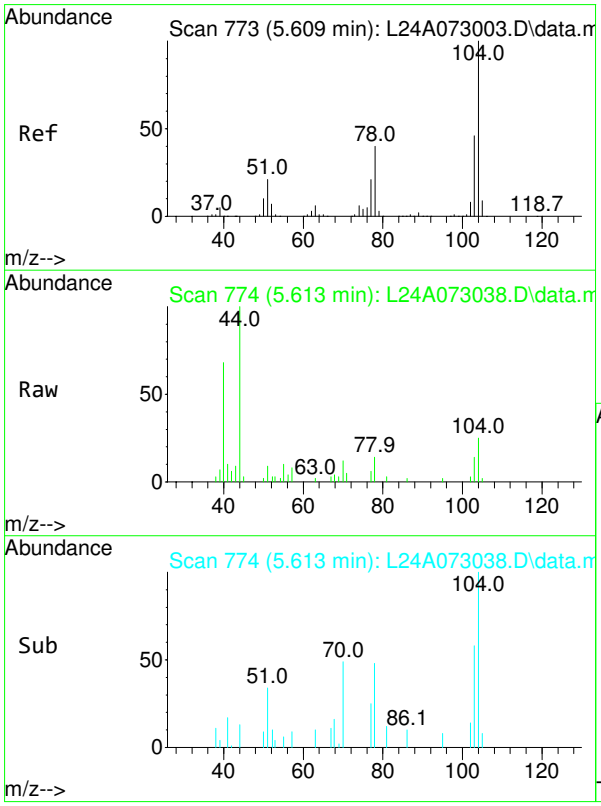


#53
M/P-XYLENE
Concen: 0.02 PPBV
RT: 5.459 min Scan# 745
Delta R.T. -0.009 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 91 Resp: 1073

Ion	Ratio	Lower	Upper
91	100		
106	33.6	24.9	64.9

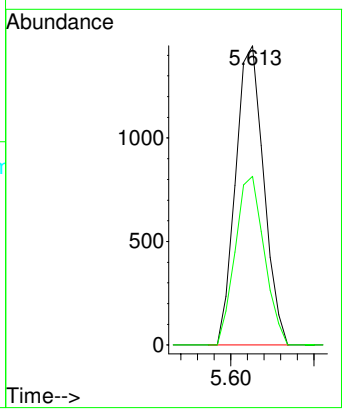


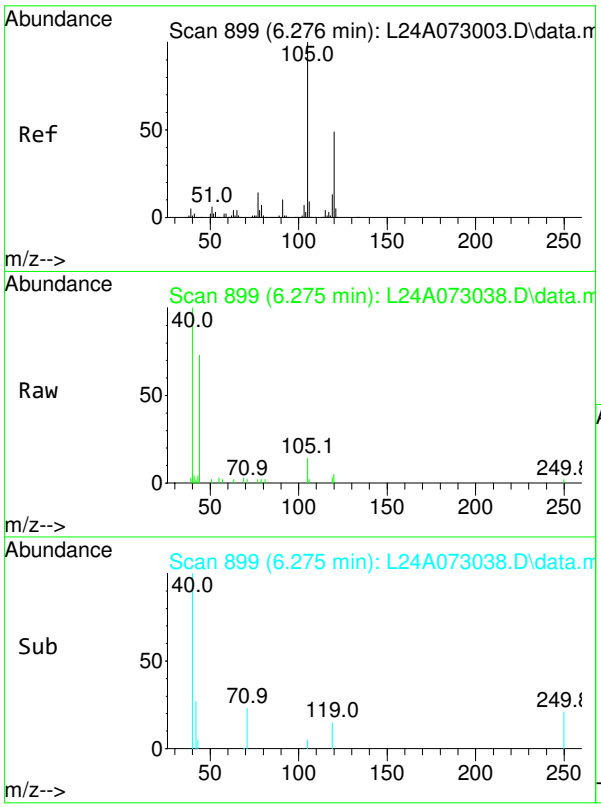


#55
STYRENE
Concen: 0.04 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:104 Resp: 1701

Ion	Ratio	Lower	Upper
104	100		
78	58.3	24.7	64.7

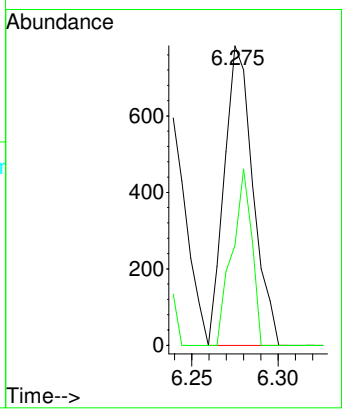


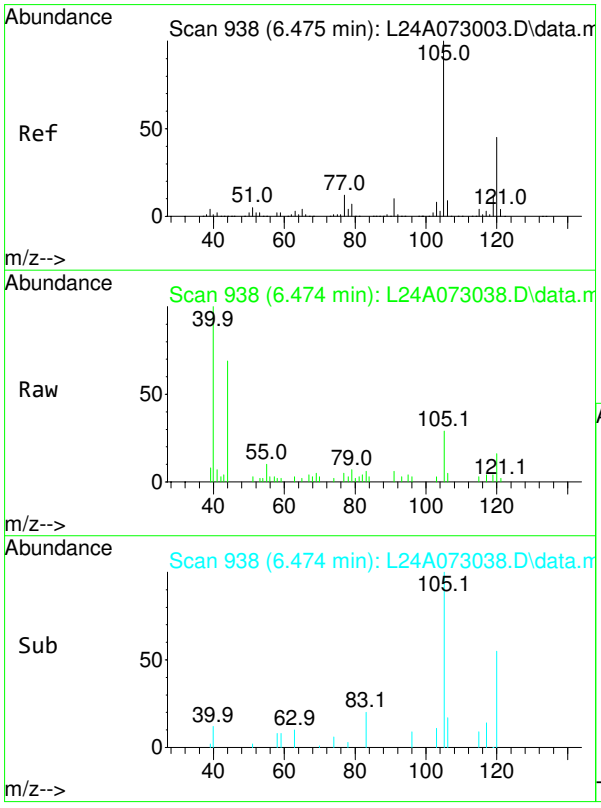


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.01 PPBV
RT: 6.275 min Scan# 899
Delta R.T. -0.008 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:105 Resp: 905

Ion	Ratio	Lower	Upper
105	100		
120	40.2	26.9	66.9

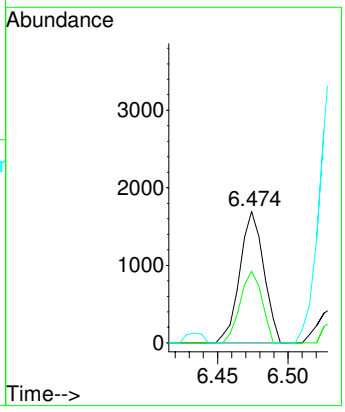


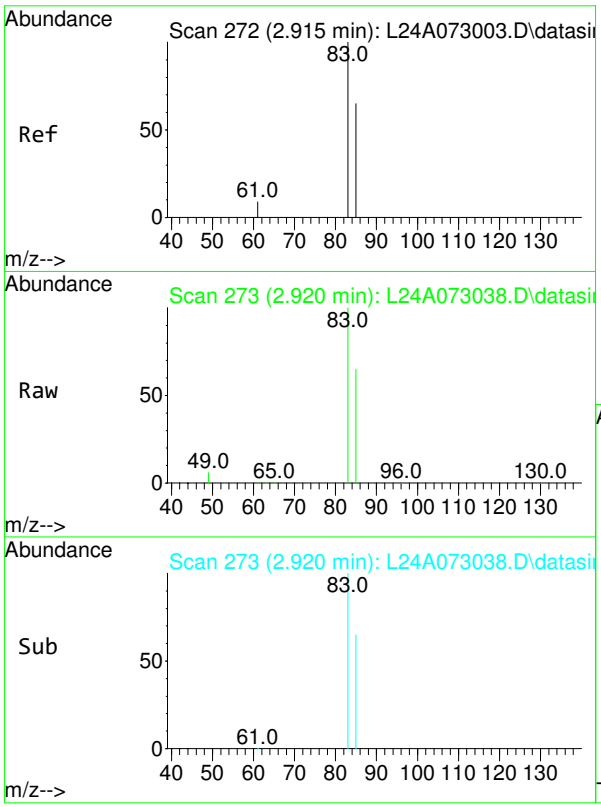


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.03 PPBV
RT: 6.474 min Scan# 938
Delta R.T. -0.009 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:105 Resp: 2007

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.0	64.0
207	0.0	0.0	20.0

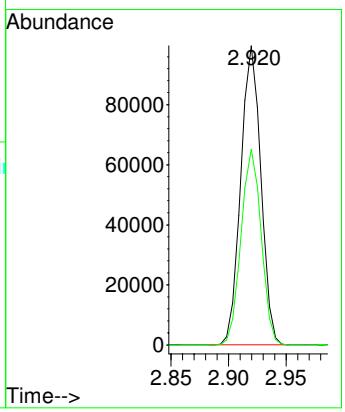


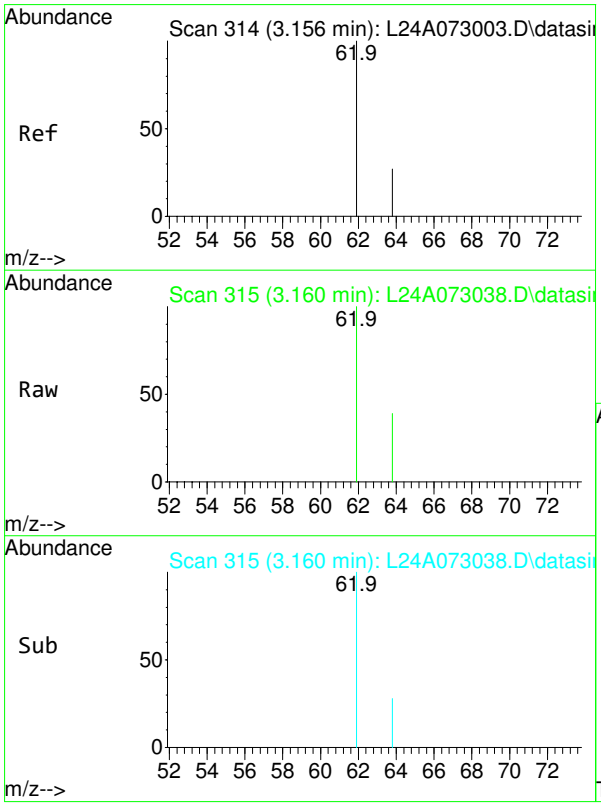


#75
CHLOROFORM (SIM)
Concen: 3.06 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 83 Resp: 119719

Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.0	85.0

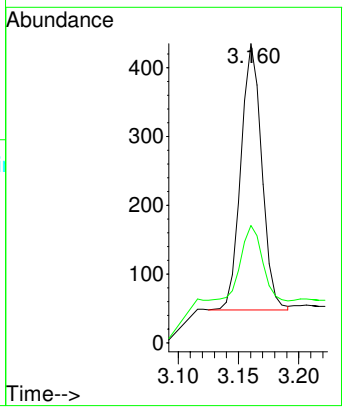


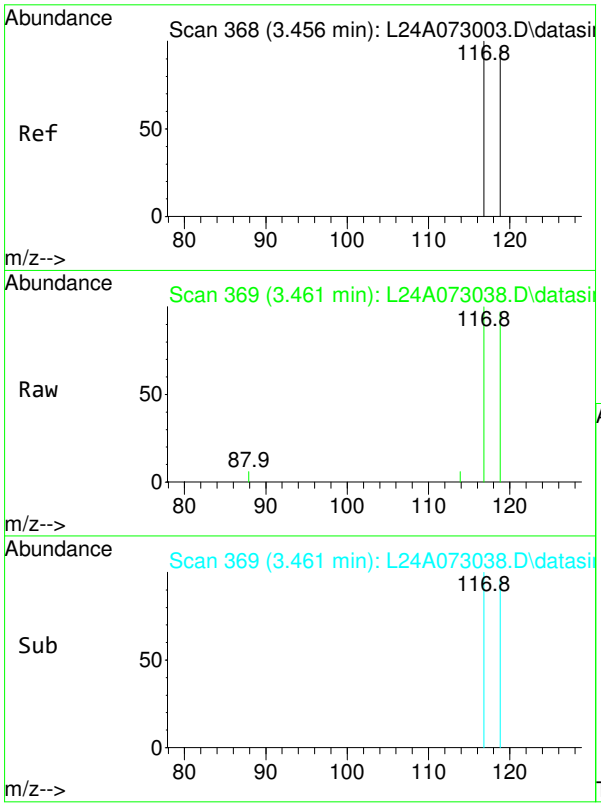


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.160 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion: 62 Resp: 462

Ion	Ratio	Lower	Upper
62	100		
64	29.4	7.0	47.0

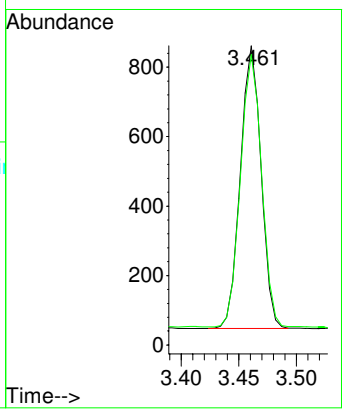




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073038.D
Acq: 14 Mar 2024 04:55 am

Tgt Ion:117 Resp: 1011

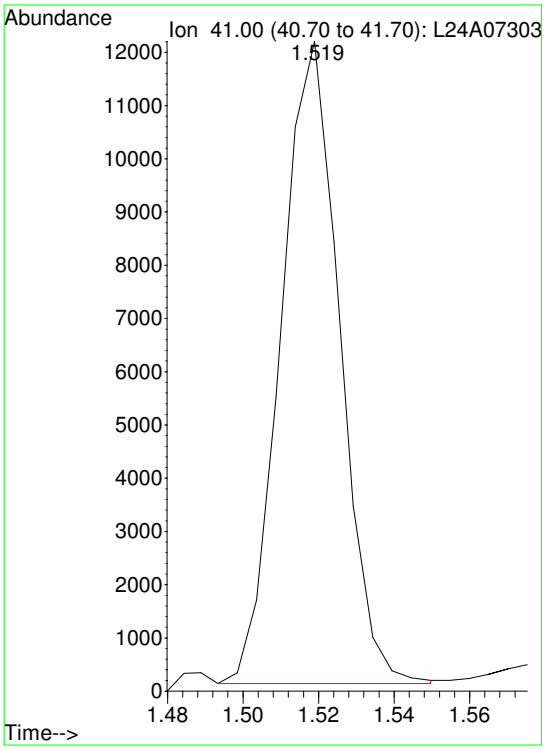
Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

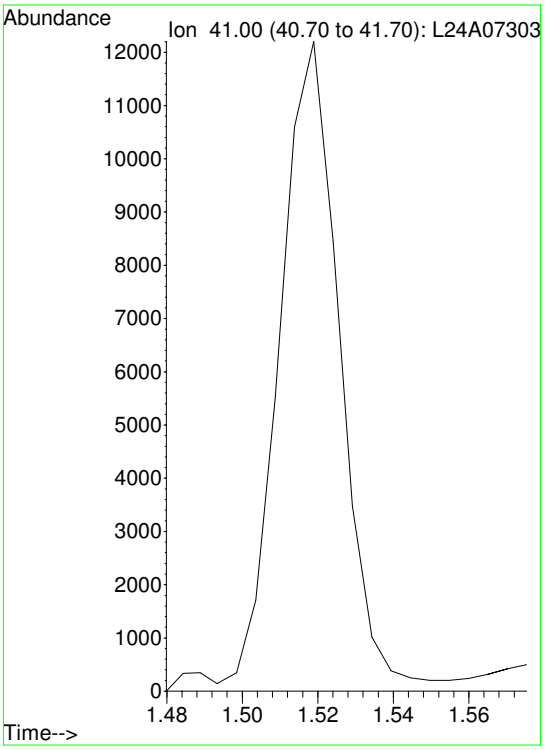
RT : 1.52
Area : 13086
Amount: 1.26485

Manual Int. Results

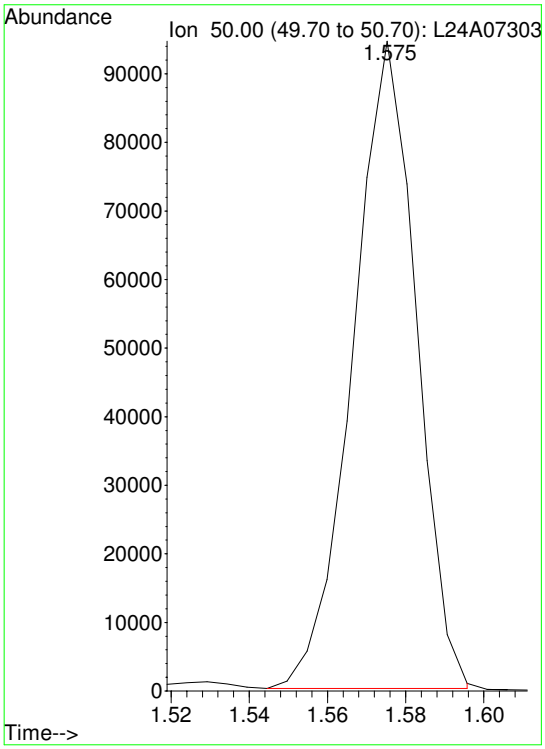
Fri Mar 15 11:24:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

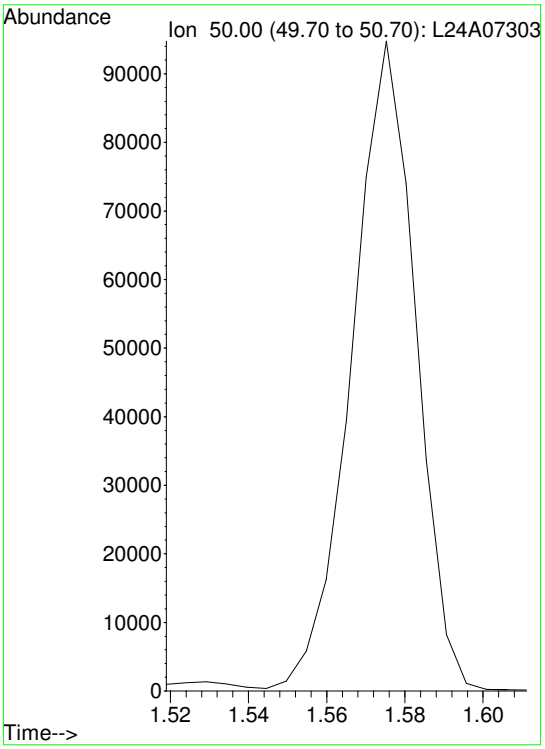
RT : 1.58
Area : 106166
Amount: 6.85391

Manual Int. Results

Fri Mar 15 11:24:56 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

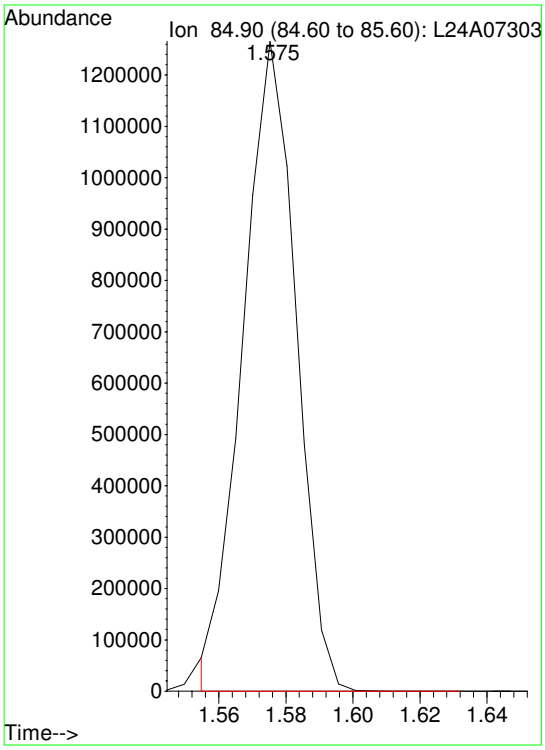
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

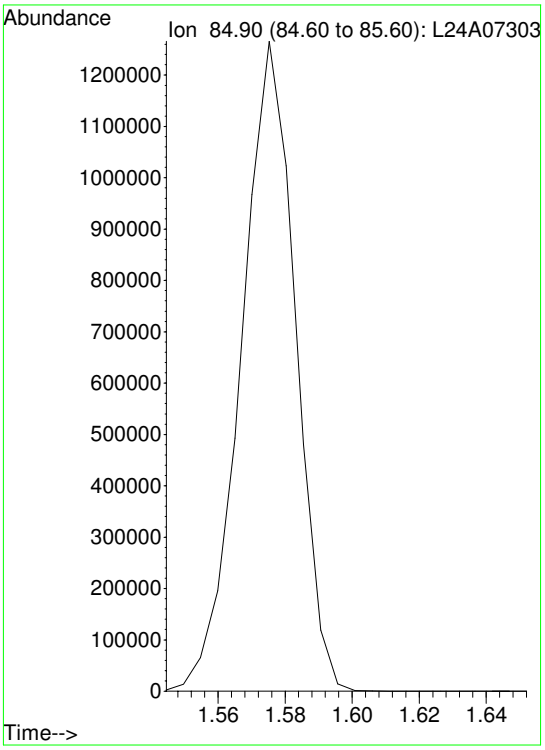
RT : 1.58
Area : 1.4013e+006
Amount: 30.9282

Manual Int. Results

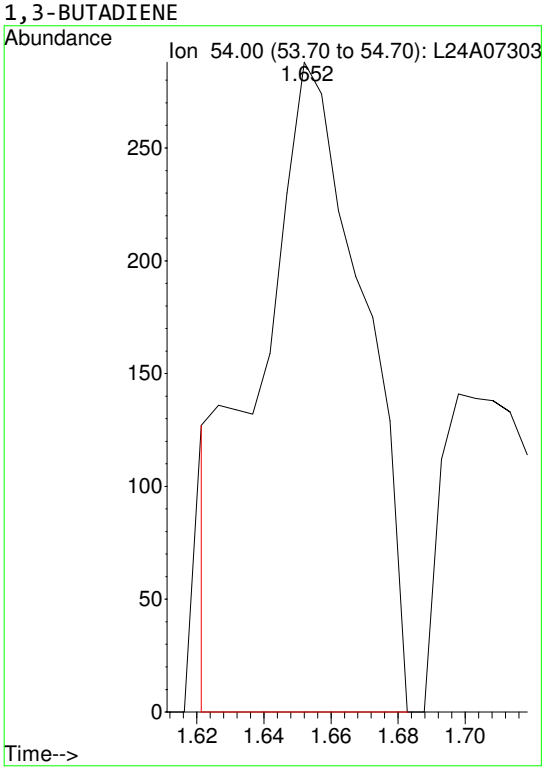
Fri Mar 15 11:25:00 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

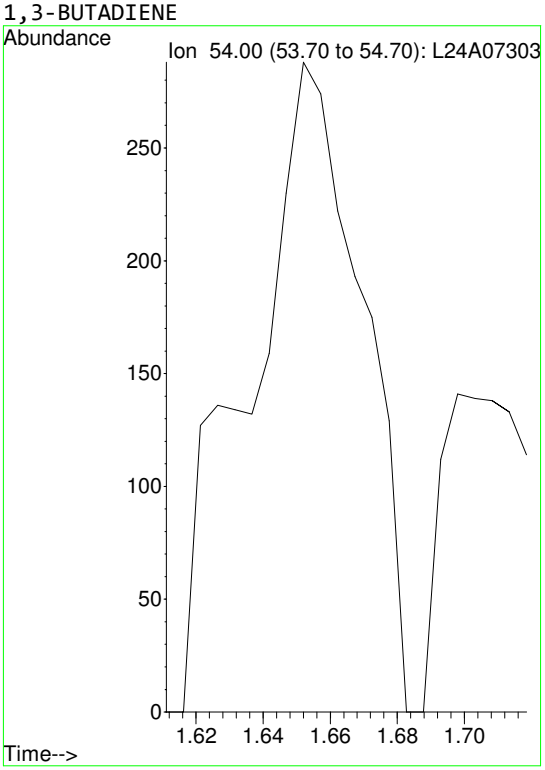
RT : 1.65
Area : 636
Amount: 0.0454543

Manual Int. Results

Fri Mar 15 11:25:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

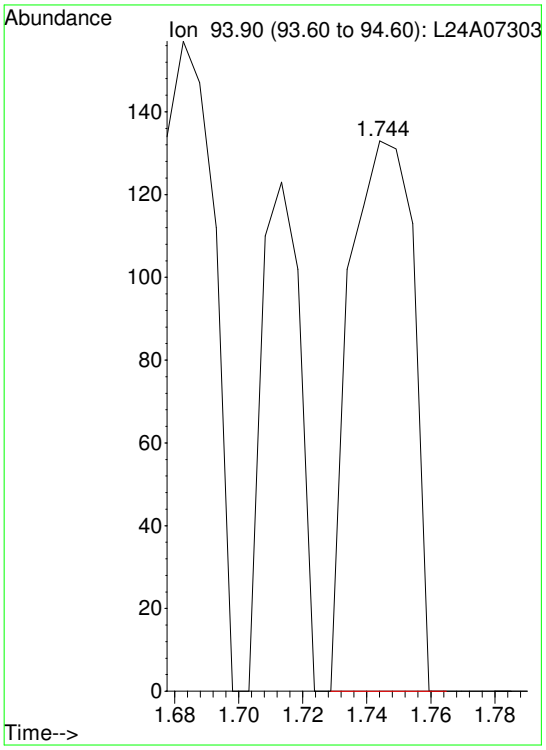
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

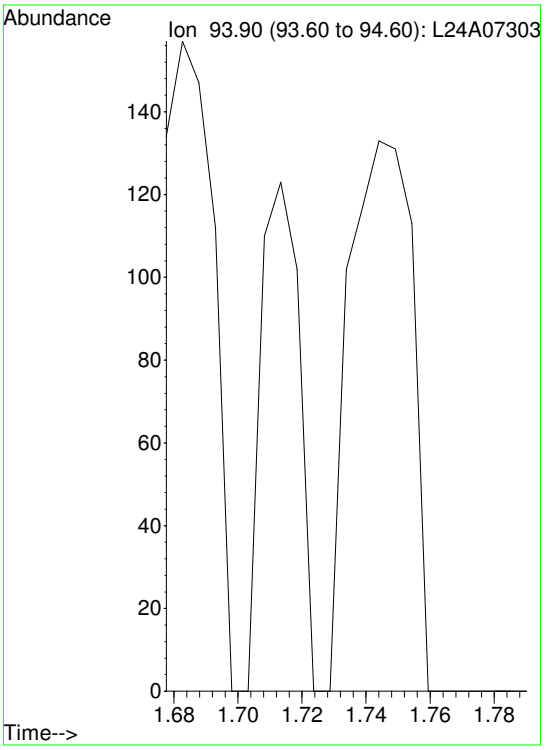
RT : 1.74
Area : 183
Amount: 0.0114261

Manual Int. Results

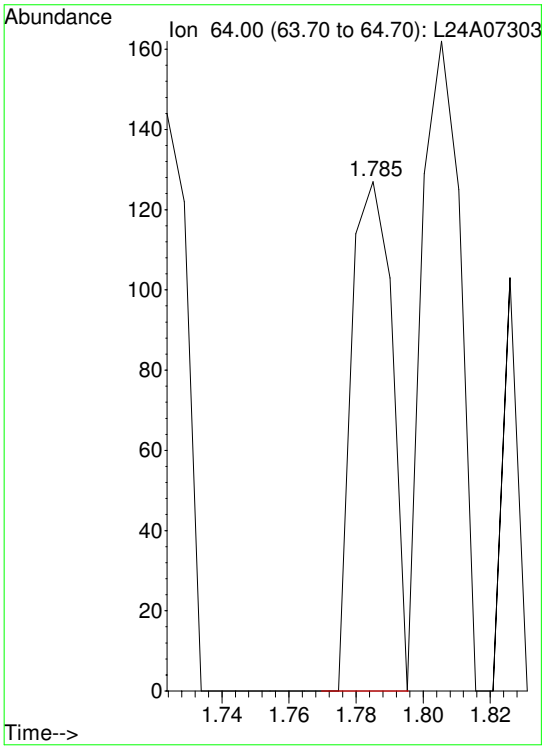
Fri Mar 15 11:25:09 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

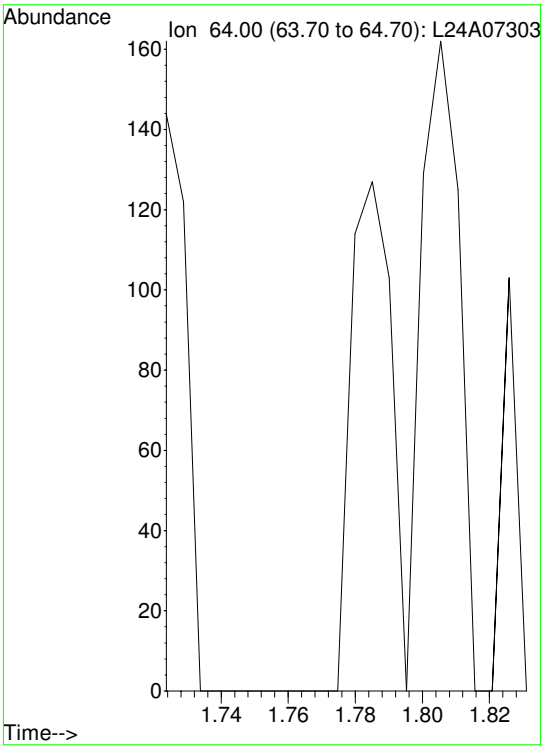
RT : 1.79
Area : 106
Amount: 0.0101405

Manual Int. Results

Fri Mar 15 11:25:12 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

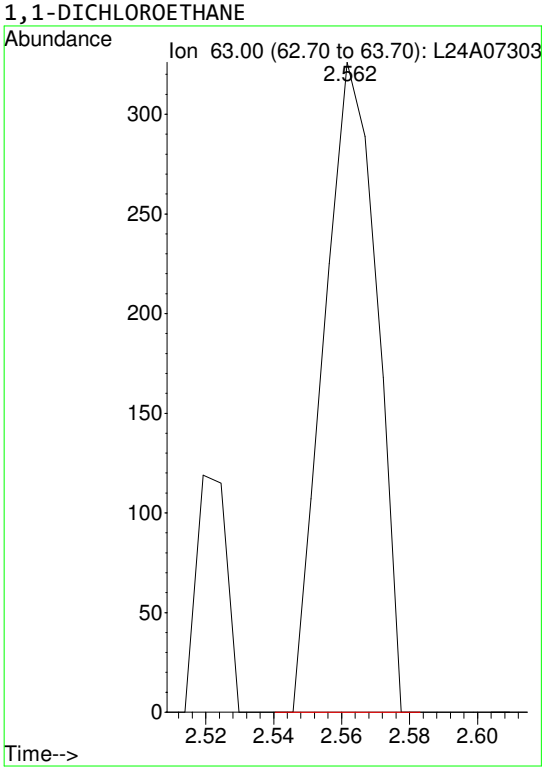
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

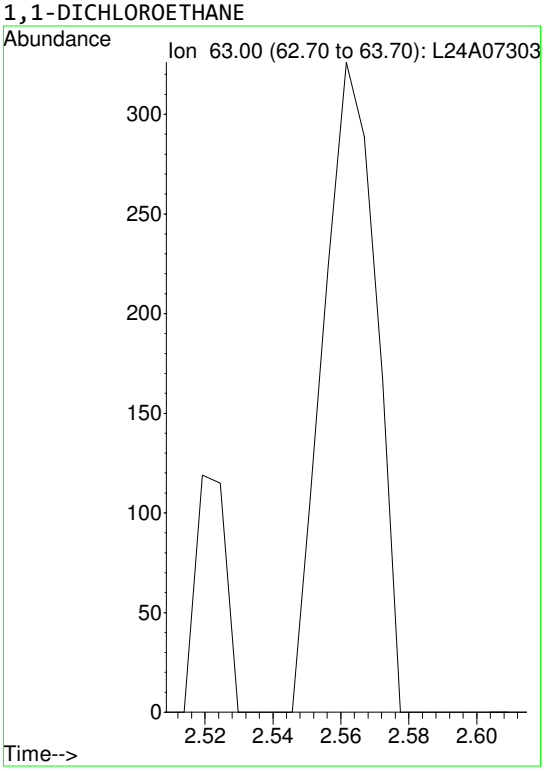
RT : 2.56
Area : 355
Amount: 0.0100396

Manual Int. Results

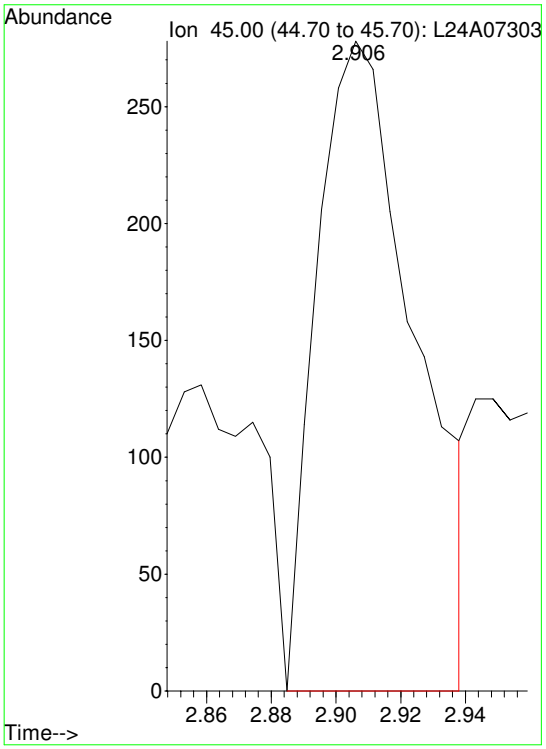
Fri Mar 15 11:25:20 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

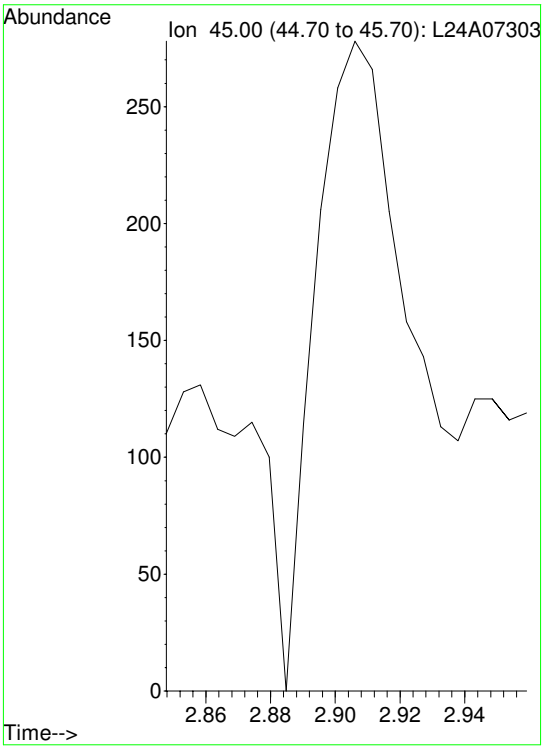
RT : 2.91
Area : 588
Amount: 0.0969026

Manual Int. Results

Fri Mar 15 11:25:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

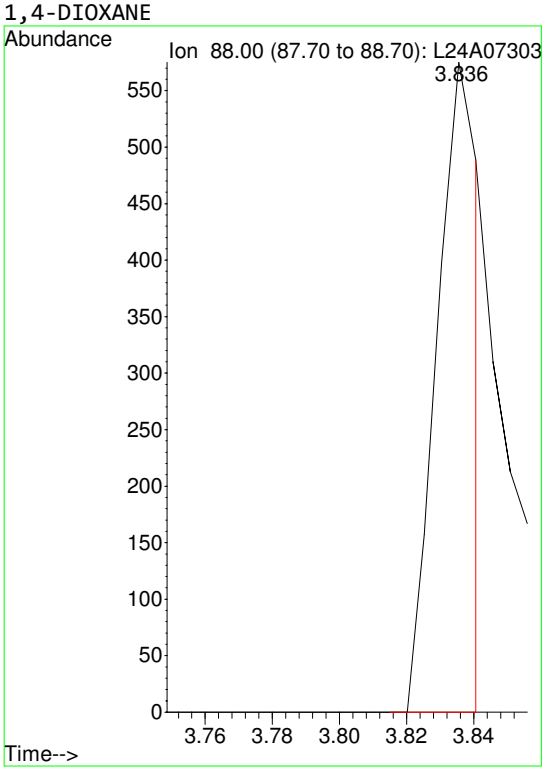
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

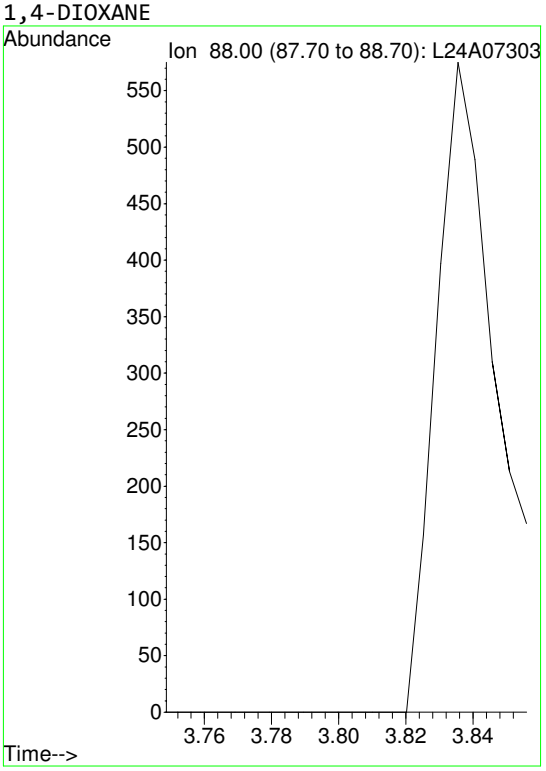
RT : 3.84
Area : 496
Amount: 0.0380289

Manual Int. Results

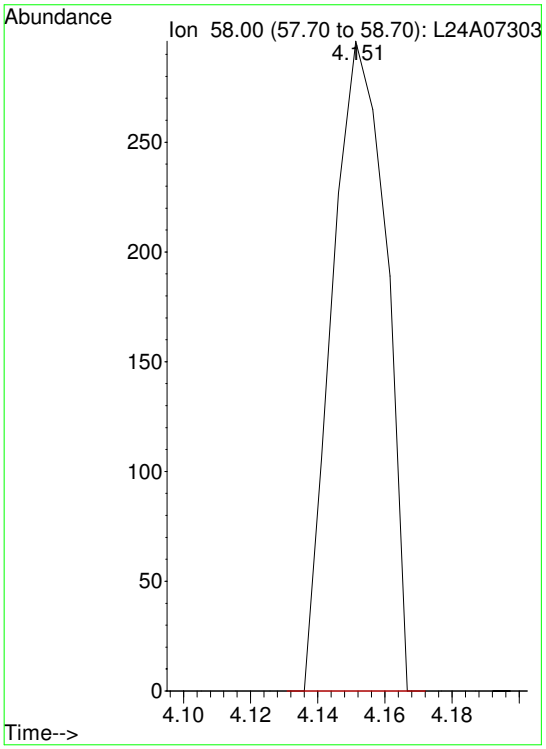
Fri Mar 15 11:25:38 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

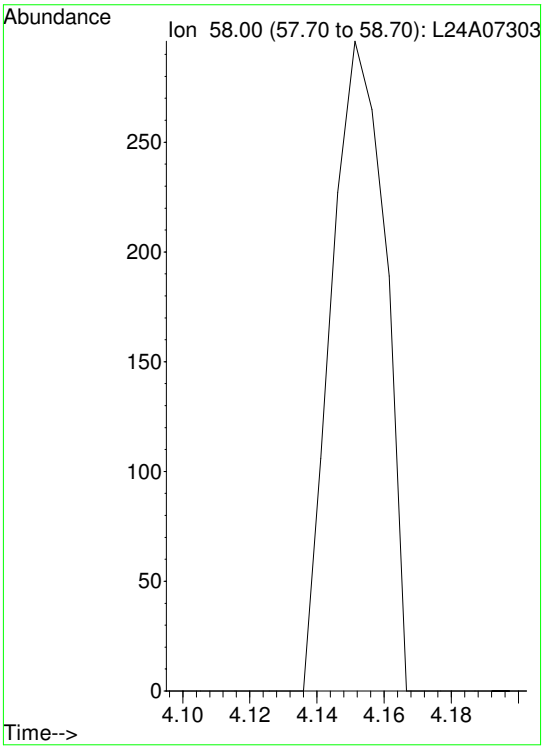
RT : 4.15
Area : 332
Amount: 0.018375

Manual Int. Results

Fri Mar 15 11:25:44 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

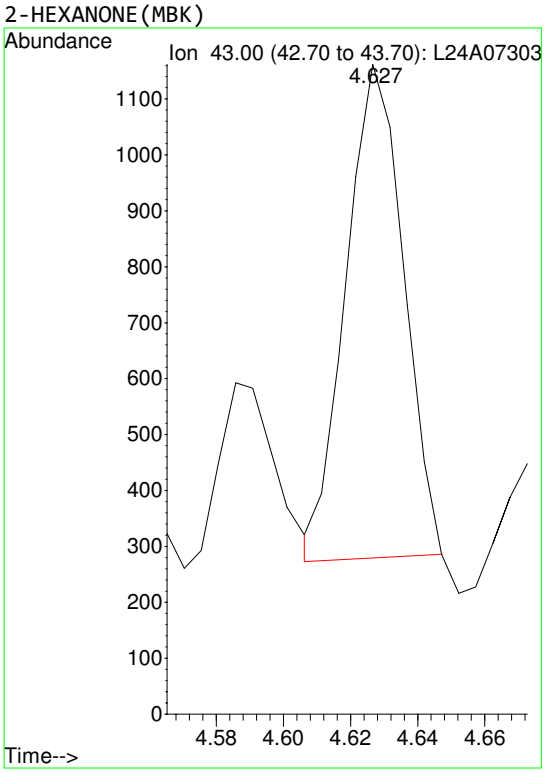
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

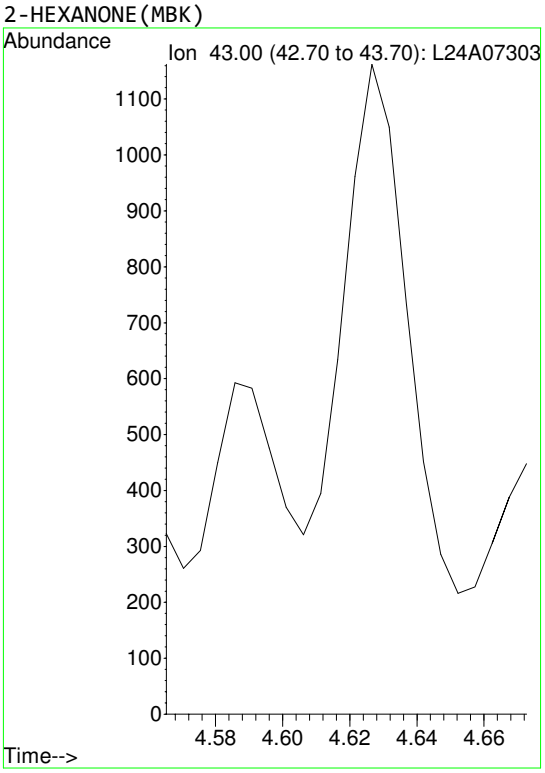
RT : 4.63
Area : 1054
Amount: 0.0250908

Manual Int. Results

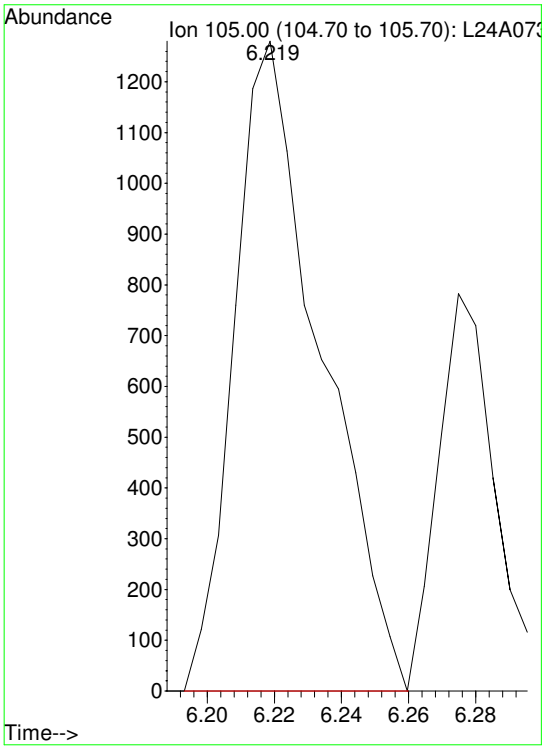
Fri Mar 15 11:25:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

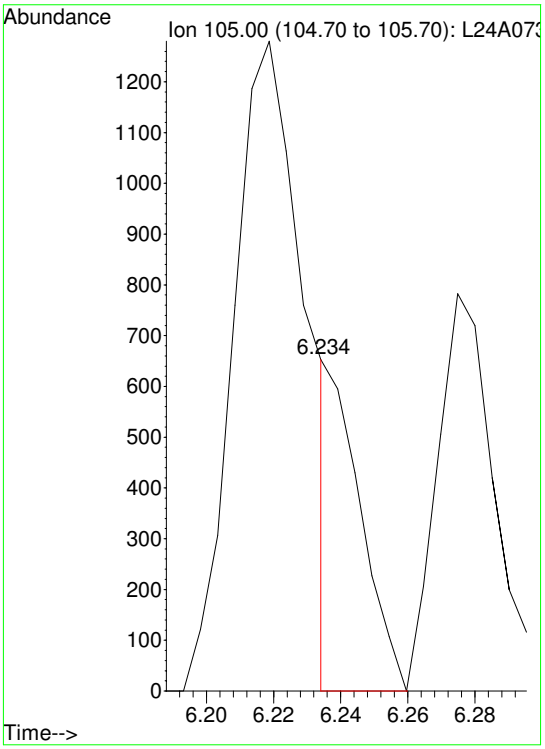
RT : 6.22
Area : 2297
Amount: 0.0262817

Manual Int. Results

Fri Mar 15 11:26:00 2024

MIuser: TPH
Reason: Other
RT : 6.23
Area : 417
Amount: 0.00477122

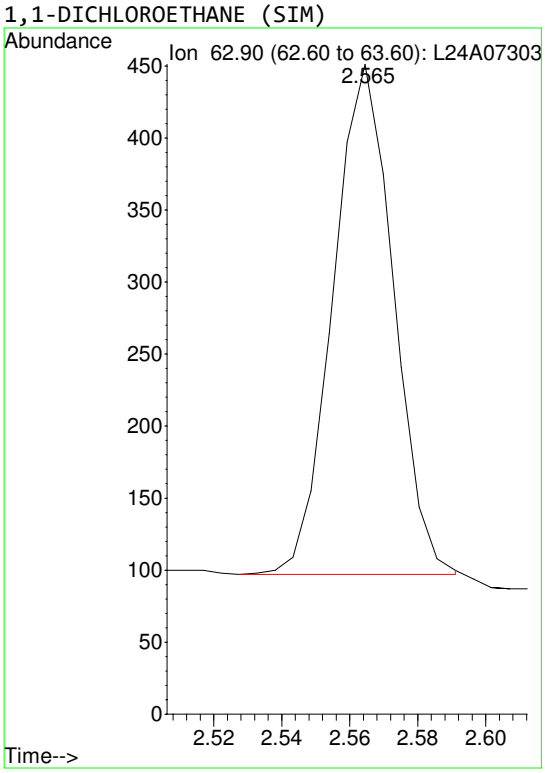
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073038.D
Acq On : 14 Mar 2024 04:55 am
Operator : CMR
Sample : 24C0251-05 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:26:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE (SIM)



Original Int. Results

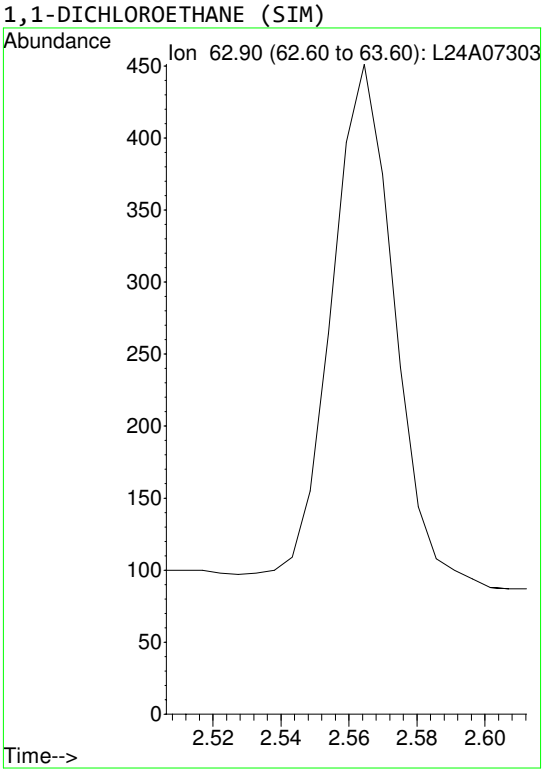
RT : 2.56
Area : 438
Amount: 0.0115943

Manual Int. Results

Fri Mar 15 11:26:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-06	File ID:	L24A073031.D
Sampled:	02/28/24 18:30	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:23
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	18	0.71	1.4	
71-43-2	Benzene	0.16	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	34	0.68	1.4	
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.079	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.070	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.038	0.017	0.035	
67-66-3	Chloroform (SIM)	0.038	0.0018	0.0070	
74-87-3	Chloromethane	0.61	0.047	0.070	
110-82-7	Cyclohexane	0.048	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	0.083	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.46	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.082	0.013	0.035	
107-62-2	1,2-Dichloroethane (SIM)	0.077	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-06	File ID:	L24A073031.D
Sampled:	02/28/24 18:30	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:23
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)	0.0070	0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.015	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	420	0.93	1.4	E
141-78-6	Ethyl Acetate	1.5	0.14	0.35	
100-41-4	Ethylbenzene	0.068	0.012	0.035	
622-96-8	4-Ethyltoluene	0.070	0.015	0.035	
142-82-5	Heptane	0.14	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)	0.022	0.015	0.035	J
67-63-0	Isopropanol	25	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.13	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.044	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.29	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-2-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-06	File ID:	L24A073031.D
Sampled:	02/28/24 18:30	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:23
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran		0.13	0.35	
108-88-3	Toluene	0.50	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.22	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.071	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.60	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.15	0.027	0.035	
108-05-4	Vinyl Acetate	0.43	0.14	0.70	J
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.19	0.024	0.070	
95-47-6	o-Xylene	0.090	0.013	0.035	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073031.D Vial: 27
Acq On : 14 Mar 2024 01:23 am Operator: CMR
Sample : 24C0251-06 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:58 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073031.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.869	49	203914	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	614929	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	579324	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	225897	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	655387	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	646489	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.853	174	301217	7.554	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.38%				
87) 4-BROMOFLUOROBENZENE (...	5.856	174	317327	7.667	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.88%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	29737	0.660	PPBV		99
4) CHLOROMETHANE	1.575	50	13647	0.877	PPBV		94
5) FREON 114	1.601	85	961	0.021	PPBV		82
8) BROMOMETHANE	1.734	94	469	0.029	PPBV	#	60
9) CHLOROETHANE	1.780	64	265	0.025	PPBV		84
10) ACROLEIN	1.902	56	8333	1.030	PPBV		94
11) ACETONE	1.938	43	751047	26.255	PPBV		77
12) TRICHLOROFLUOROMETHANE	1.989	101	14382	0.311	PPBV		99
13) ETHANOL	1.805	45	2664981	603.511	PPBV		98
15) METHYLENE CHLORIDE	2.212	49	4227	0.190	PPBV	#	73
16) FREON 113	2.302	101	3730	0.102	PPBV		94
17) CARBON DISULFIDE	2.302	76	2033	0.039	PPBV		96
20) MTBE	2.583	73	874	0.016	PPBV	#	1
21) IPA	2.010	45	1079089	35.856	PPBV		96
22) 2-BUTANONE(MEK)	2.684	43	1713388	48.654	PPBV		86
24) VINYL ACETATE	2.599	43	23094	0.619	PPBV		80
25) HEXANE	2.896	41	6702	0.353	PPBV		87
26) ETHYL ACETATE	2.901	45	13060	2.144	PPBV		87
27) CHLOROFORM	2.912	83	2034	0.055	PPBV		87
28) TETRAHYDROFURAN	3.060	42	2079	0.090	PPBV	#	24
29) 1,2-DICHLOROETHANE	3.153	62	2927	0.118	PPBV		96
32) BENZENE	3.400	78	12474	0.224	PPBV		96
33) CARBON TETRACHLORIDE	3.458	117	4439	0.113	PPBV		93
34) CYCLOHEXANE	3.506	84	1610	0.069	PPBV	#	36
39) METHYLMETHACRYLATE	3.877	69	6959	0.358	PPBV	#	70
40) HEPTANE	3.918	57	3443	0.196	PPBV	#	79
46) TOLUENE	4.490	91	48535	0.714	PPBV		99
47) 2-HEXANONE(MBK)	4.613	43	1357	0.031	PPBV	#	59
50) TETRACHLOROETHENE	4.940	166	791	0.026	PPBV		90
52) ETHYLBENZENE	5.382	91	8254	0.097	PPBV		97
53) M/P-XYLENE	5.456	91	19003	0.270	PPBV		93
55) STYRENE	5.610	104	20120	0.416	PPBV		93
56) O-XYLENE	5.657	91	8892	0.129	PPBV		98
59) 4-ETHYLTOLUENE	6.232	105	9137m	0.101	PPBV		
60) 1,3,5-TRIMETHYLBENZENE	6.278	105	16526	0.216	PPBV		96
61) 1,2,4-TRIMETHYLBENZENE	6.472	105	63544	0.859	PPBV		97
62) 1,3-DICHLOROBENZENE	6.534	146	569	0.013	PPBV	#	1
64) 1,4-DICHLOROBENZENE	6.570	146	5019	0.119	PPBV		91
67) NAPHTHALENE	7.797	128	4329	0.063	PPBV		95
75] CHLOROFORM (SIM)	2.914	83	2204	0.055	PPBV		93

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073031.D Vial: 27
Acq On : 14 Mar 2024 01:23 am Operator: CMR
Sample : 24C0251-06 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:58 2024

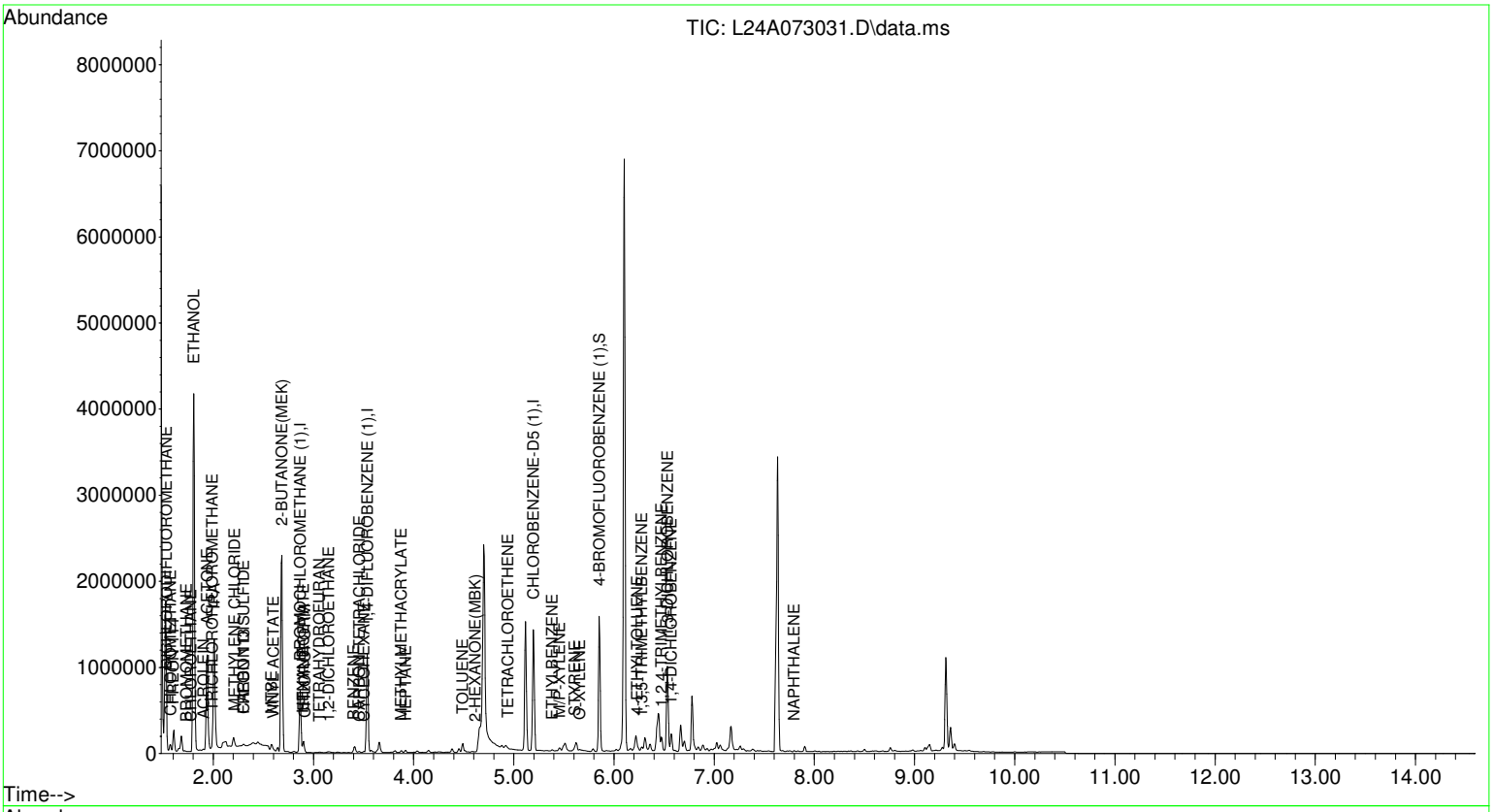
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073031.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

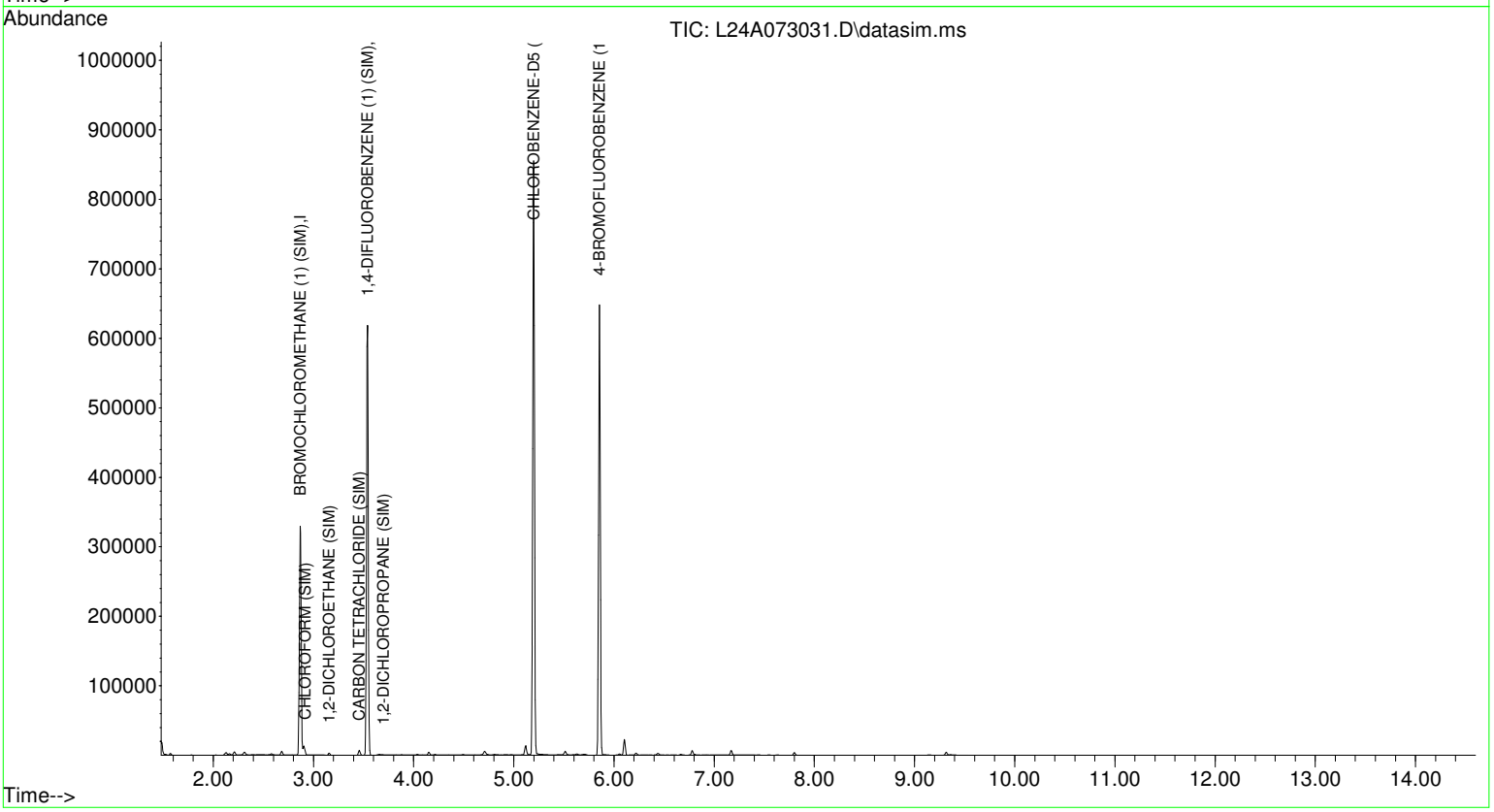
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	2920	0.111	PPBV	98
78] CARBON TETRACHLORIDE (...	3.456	117	4392	0.101	PPBV	99
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	220	0.010	PPBV	93

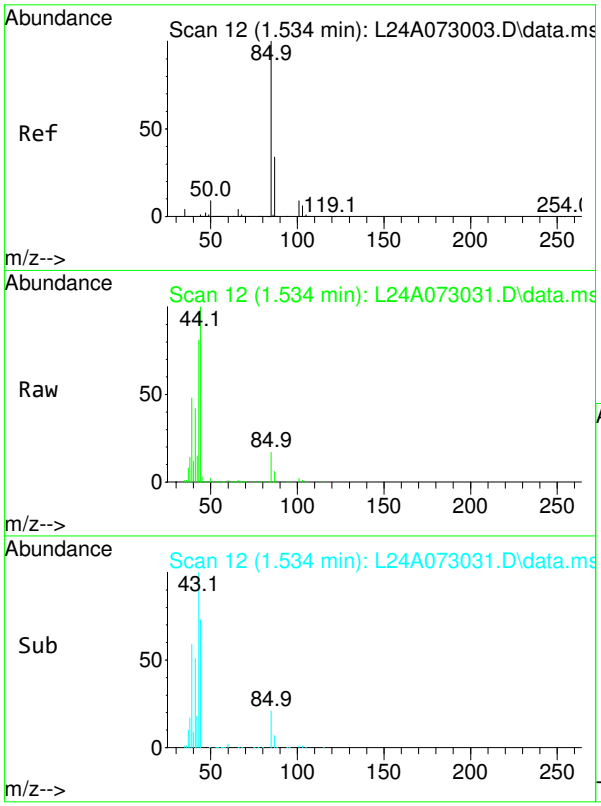
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073031.D Vial: 27
Acq On : 14 Mar 2024 01:23 am Operator: CMR
Sample : 24C0251-06 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:58 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073031.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



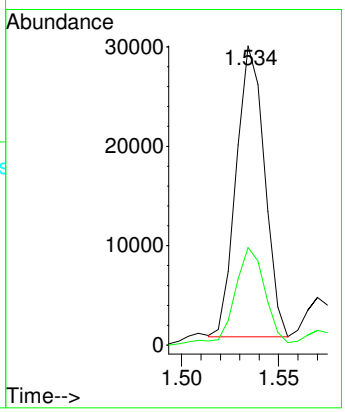


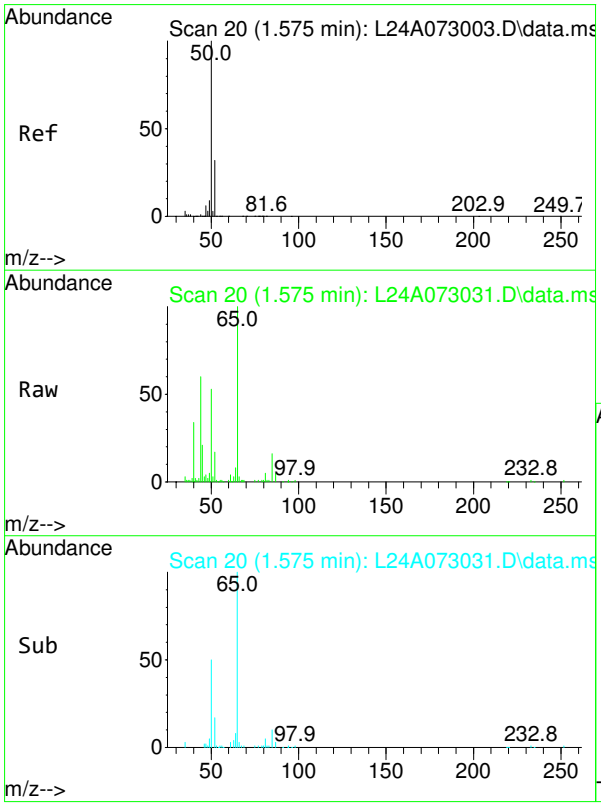


#3
DICHLORODIFLUOROMETHANE
Concen: 0.66 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 85 Resp: 29737

Ion	Ratio	Lower	Upper
85	100		
87	32.8	12.0	52.0

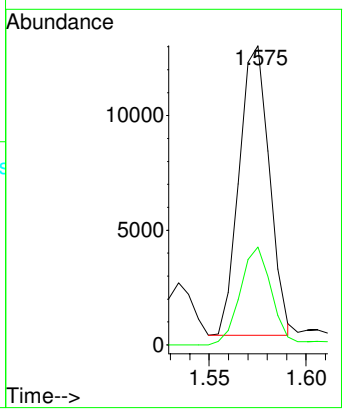


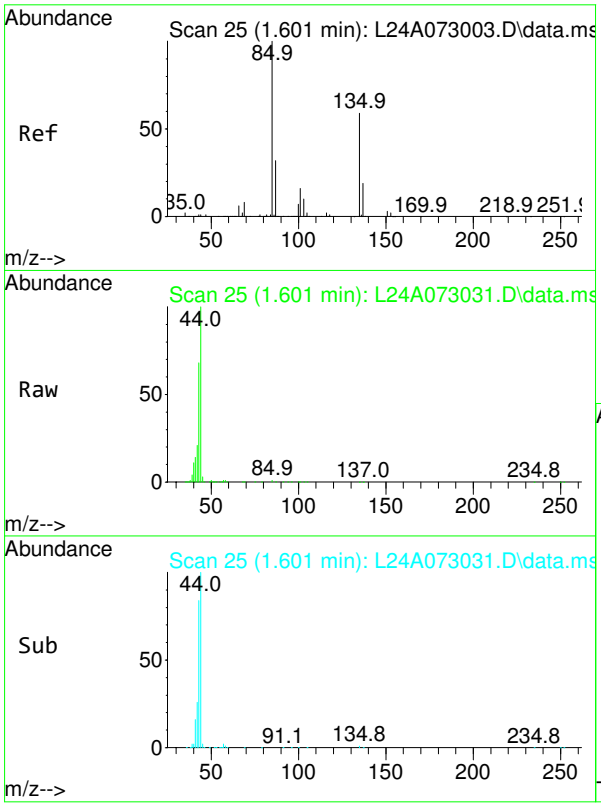


#4
CHLOROMETHANE
Concen: 0.88 PPBV
RT: 1.575 min Scan# 20
Delta R.T. 0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 50 Resp: 13647

Ion	Ratio	Lower	Upper
50	100		
52	34.6	11.2	51.2

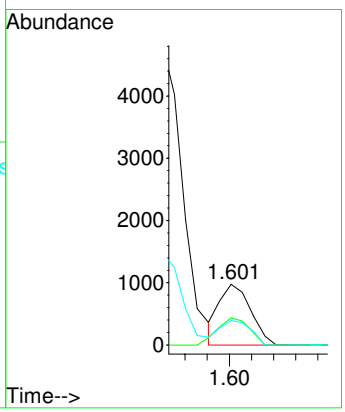


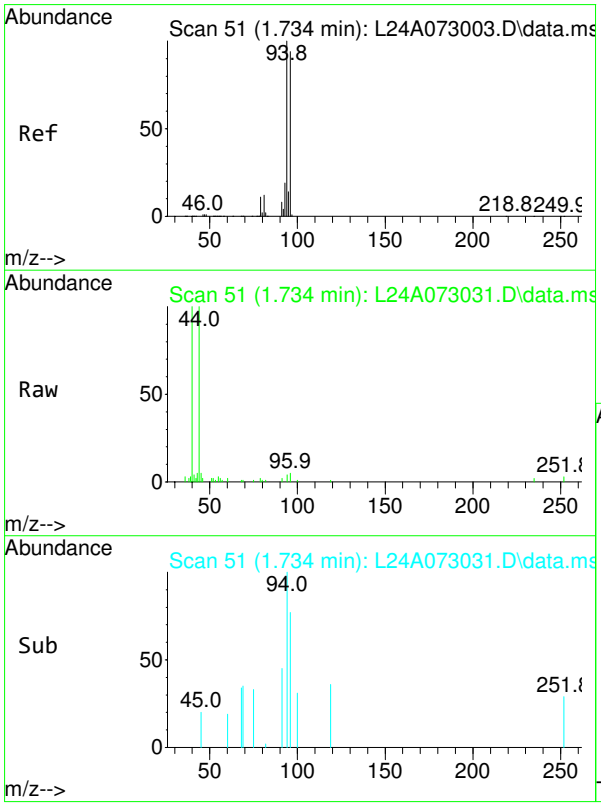


#5
FREON 114
Concen: 0.02 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 85 Resp: 961

Ion	Ratio	Lower	Upper
85	100		
135	45.7	41.5	81.5
87	40.0	12.1	52.1

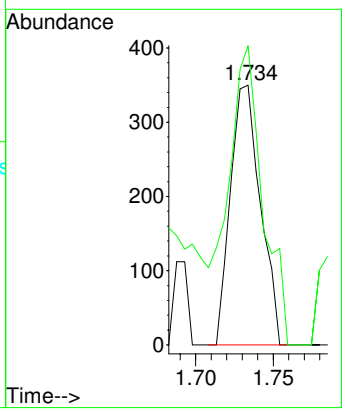


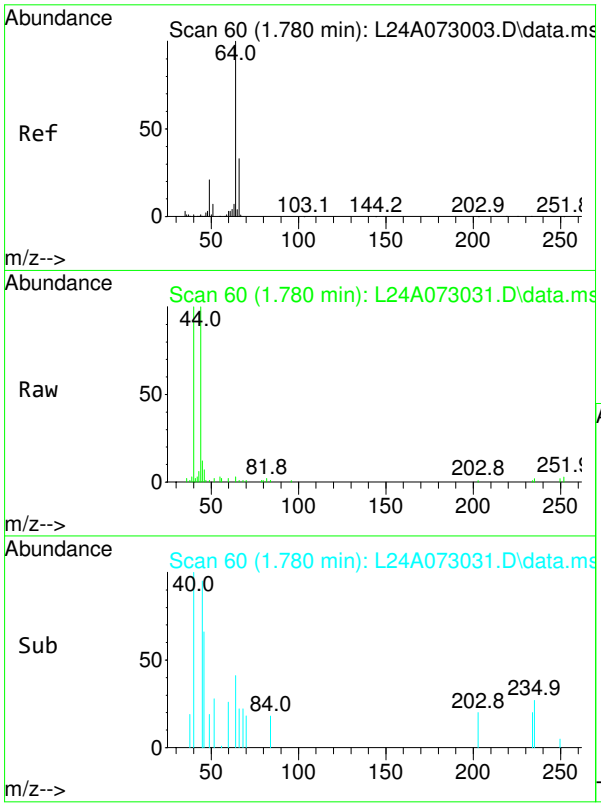


#8
BROMOMETHANE
Concen: 0.03 PPBV
RT: 1.734 min Scan# 51
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 94 Resp: 469

Ion	Ratio	Lower	Upper
94	100		
96	132.0	73.3	113.3#

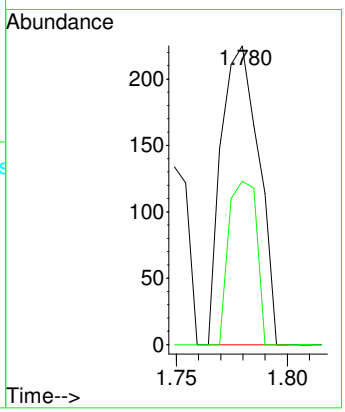


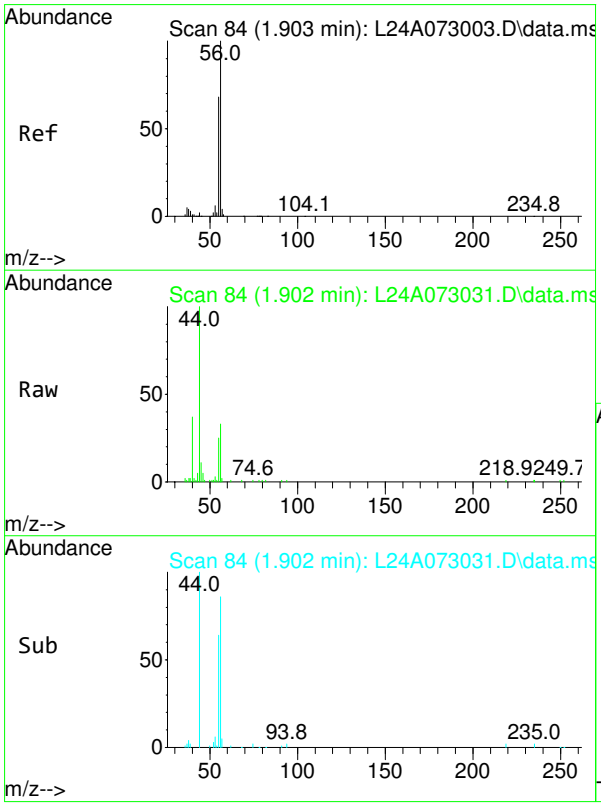


#9
CHLOROETHANE
Concen: 0.03 PPBV
RT: 1.780 min Scan# 60
Delta R.T. 0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 64 Resp: 265

Ion	Ratio	Lower	Upper
64	100		
66	40.8	11.9	51.9

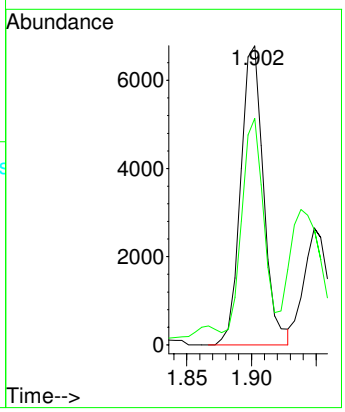


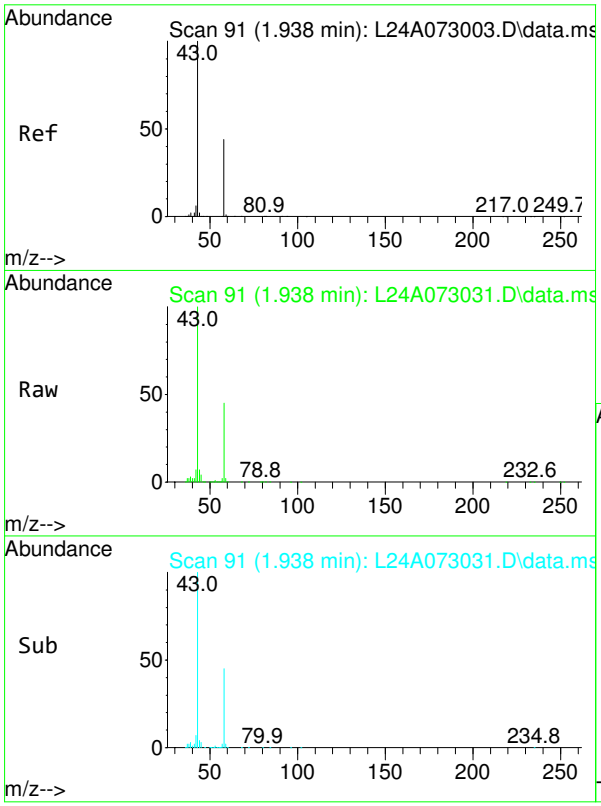


#10
ACROLEIN
Concen: 1.03 PPBV
RT: 1.902 min Scan# 84
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 56 Resp: 8333

Ion	Ratio	Lower	Upper
56	100		
55	66.5	51.4	91.4

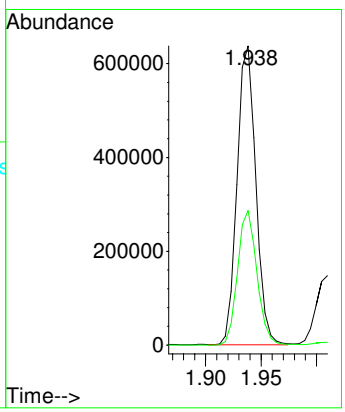


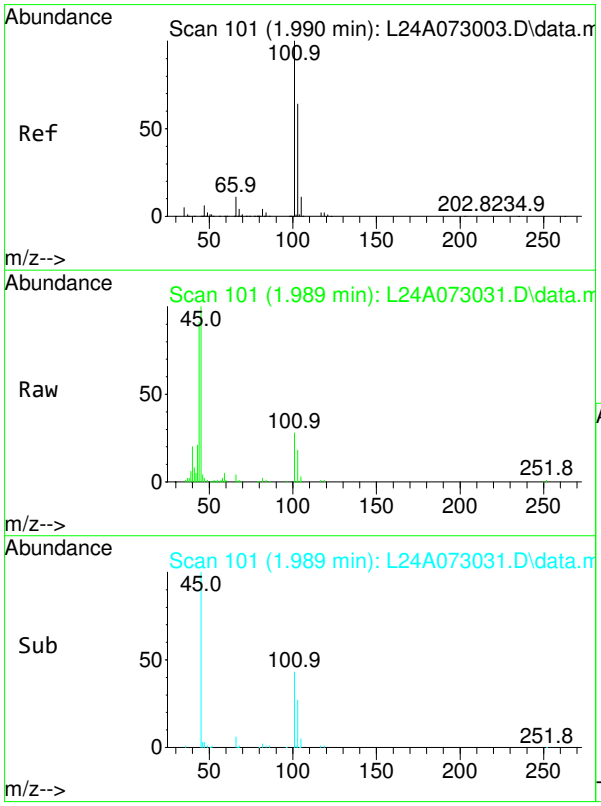


#11
ACETONE
Concen: 26.26 PPBV
RT: 1.938 min Scan# 91
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 751047

Ion	Ratio	Lower	Upper
43	100		
58	46.3	13.1	53.1

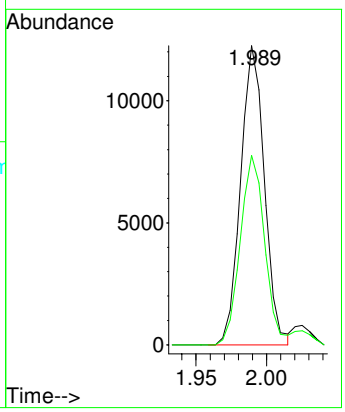


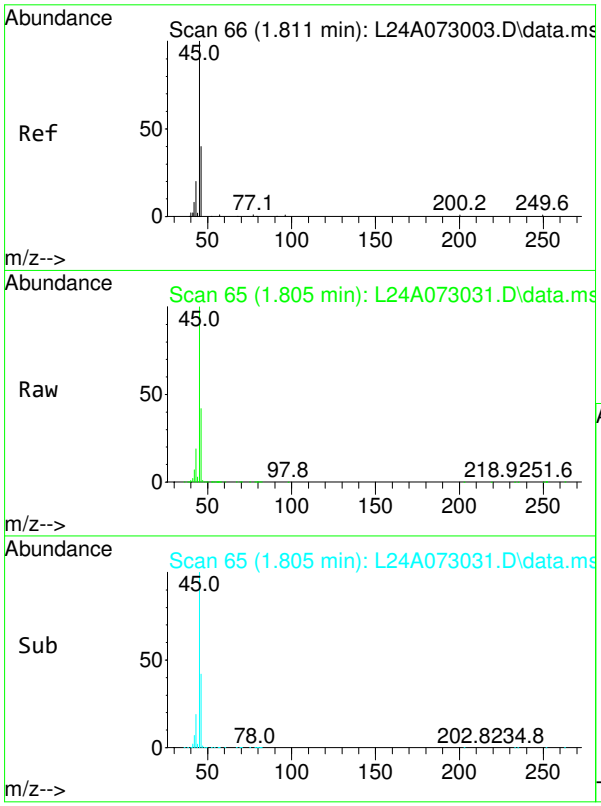


#12
TRICHLOROFLUOROMETHANE
Concen: 0.31 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:101 Resp: 14382

Ion	Ratio	Lower	Upper
101	100		
103	65.1	44.7	84.7

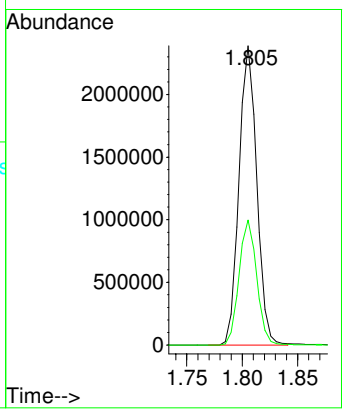


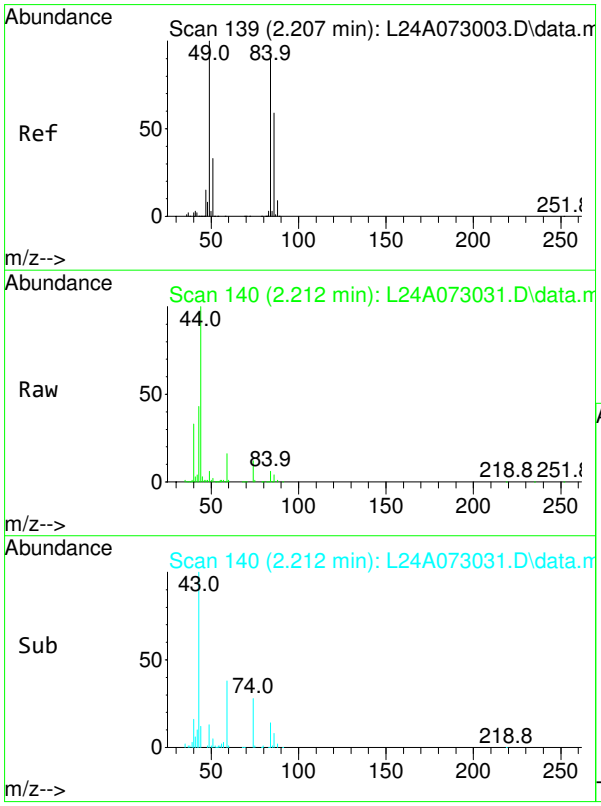


#13
ETHANOL
Concen: 603.51 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 45 Resp: 2664981

Ion	Ratio	Lower	Upper
45	100		
46	41.6	20.5	60.5

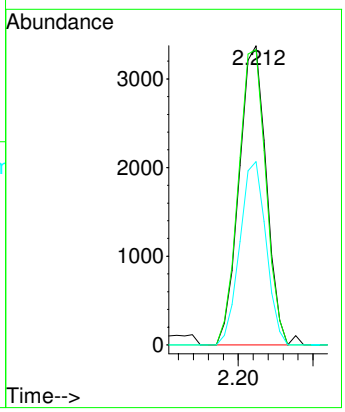


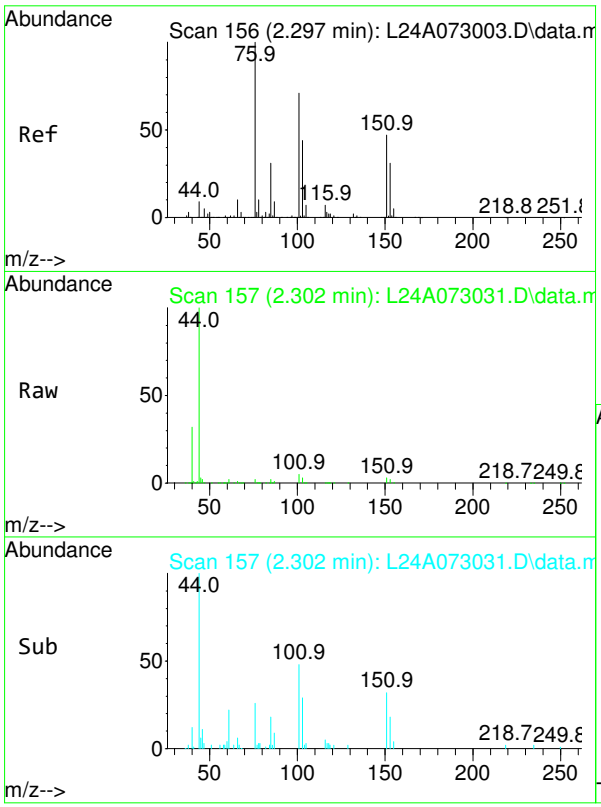


#15
METHYLENE CHLORIDE
Concen: 0.19 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 49 Resp: 4227

Ion	Ratio	Lower	Upper
49	100		
84	100.0	52.0	92.0#
86	59.4	27.3	67.3

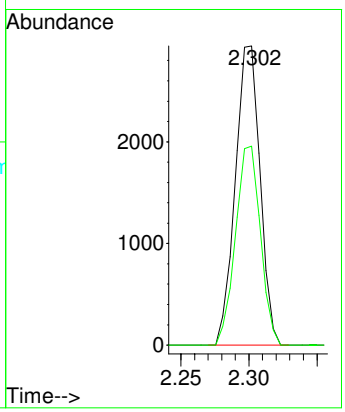


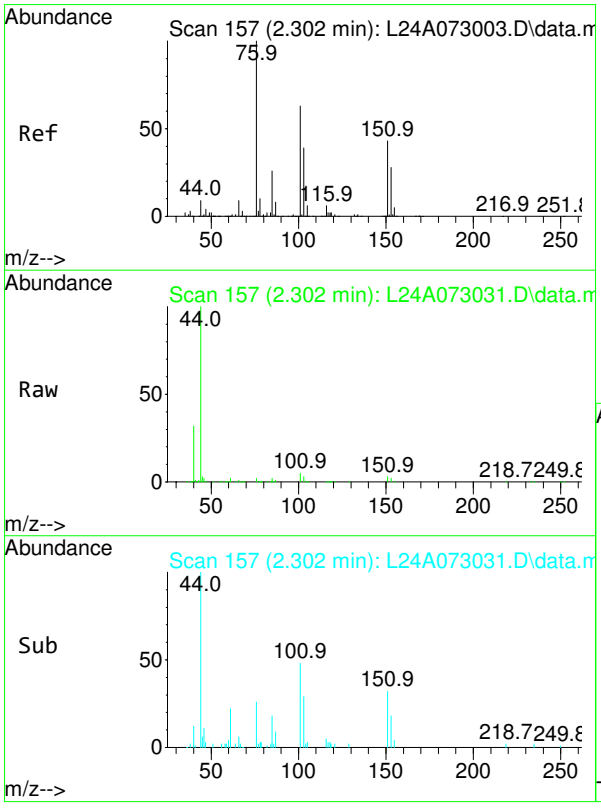


#16
FREON 113
Concen: 0.10 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:101 Resp: 3730

Ion	Ratio	Lower	Upper
101	100		
151	66.9	52.3	92.3

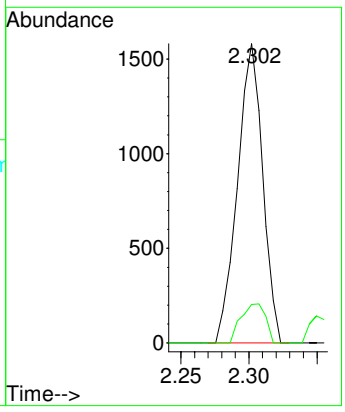


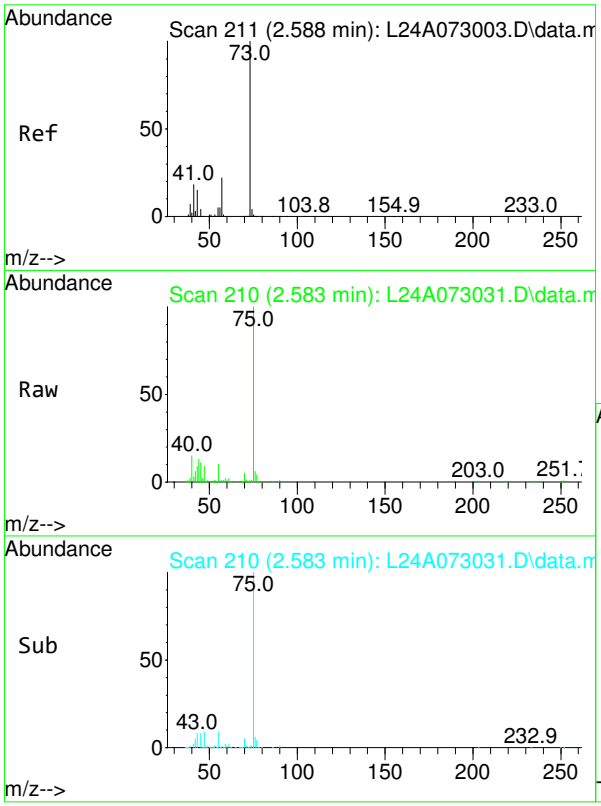


#17
CARBON DISULFIDE
Concen: 0.04 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 76 Resp: 2033

Ion	Ratio	Lower	Upper
76	100		
78	12.8	0.0	31.1

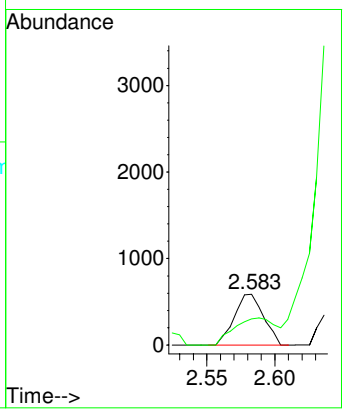


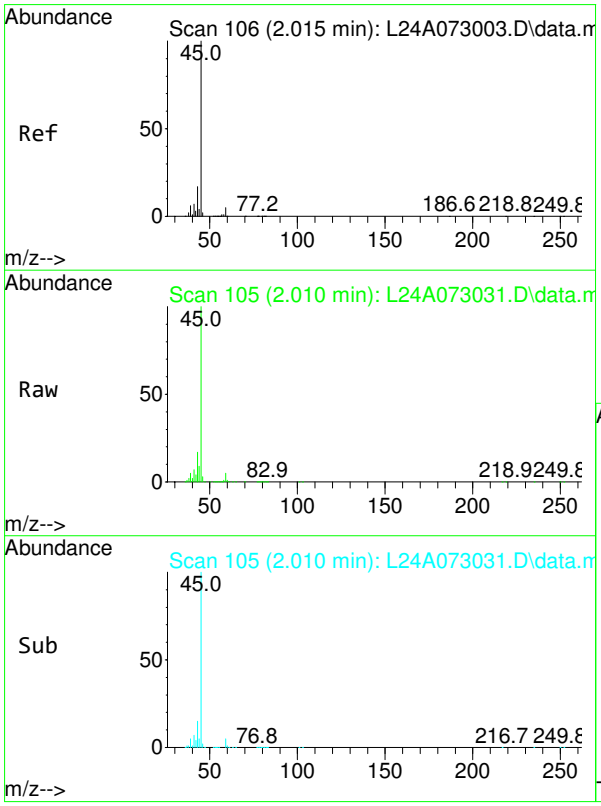


#20
MTBE
Concen: 0.02 PPBV
RT: 2.583 min Scan# 210
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 73 Resp: 874

Ion	Ratio	Lower	Upper
73	100		
57	77.1	4.6	44.6#

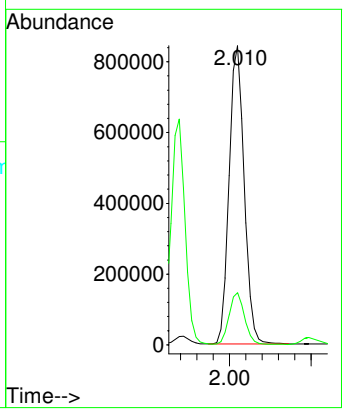


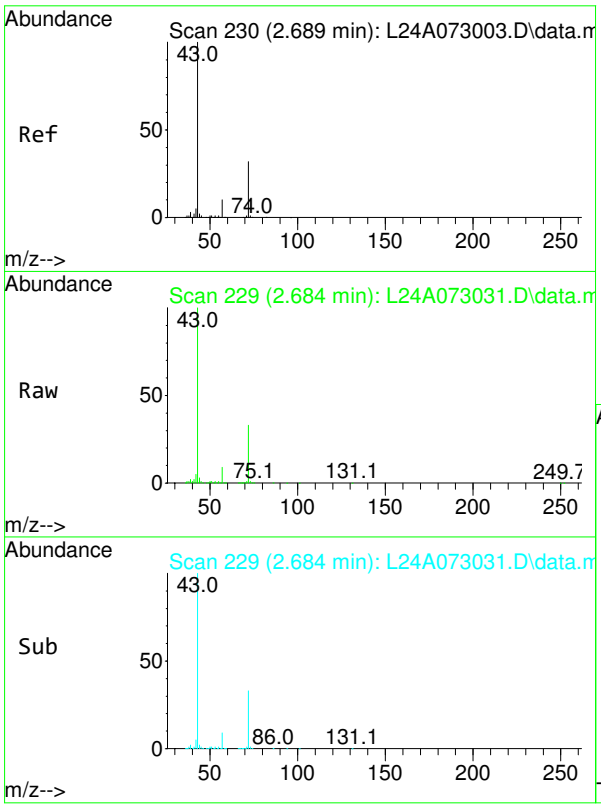


#21
IPA
Concen: 35.86 PPBV
RT: 2.010 min Scan# 105
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 45 Resp: 1079089

Ion	Ratio	Lower	Upper
45	100		
43	17.7	0.0	39.3

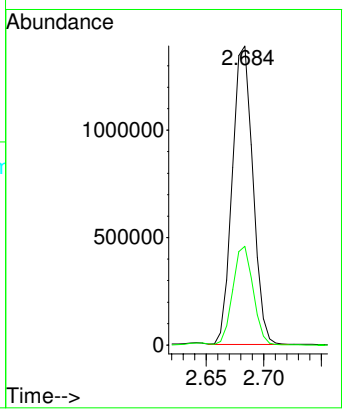


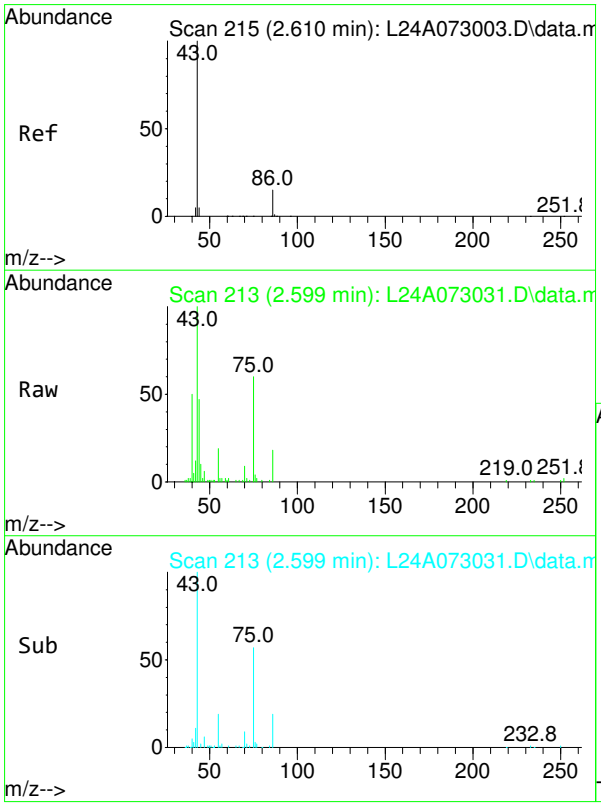


#22
2-BUTANONE(MEK)
Concen: 48.65 PPBV
RT: 2.684 min Scan# 229
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 1713388

Ion	Ratio	Lower	Upper
43	100		
72	32.6	5.6	45.6

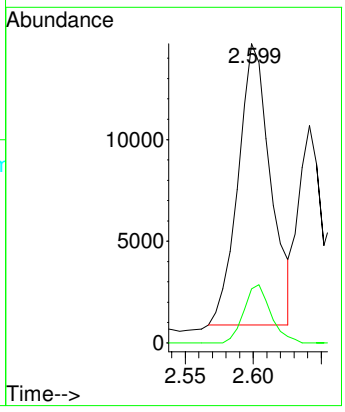


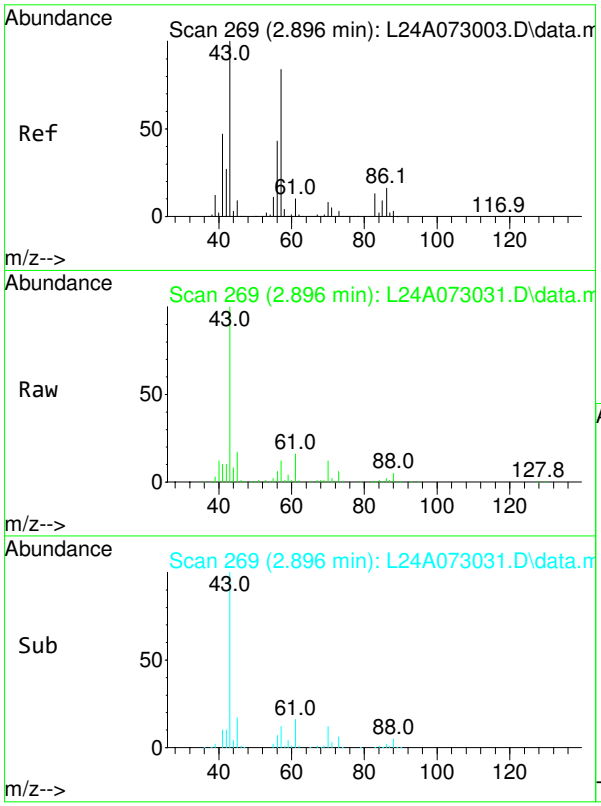


#24
VINYL ACETATE
Concen: 0.62 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 23094

Ion	Ratio	Lower	Upper
43	100		
86	17.0	0.0	19.5

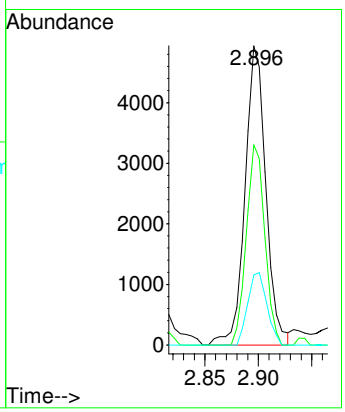


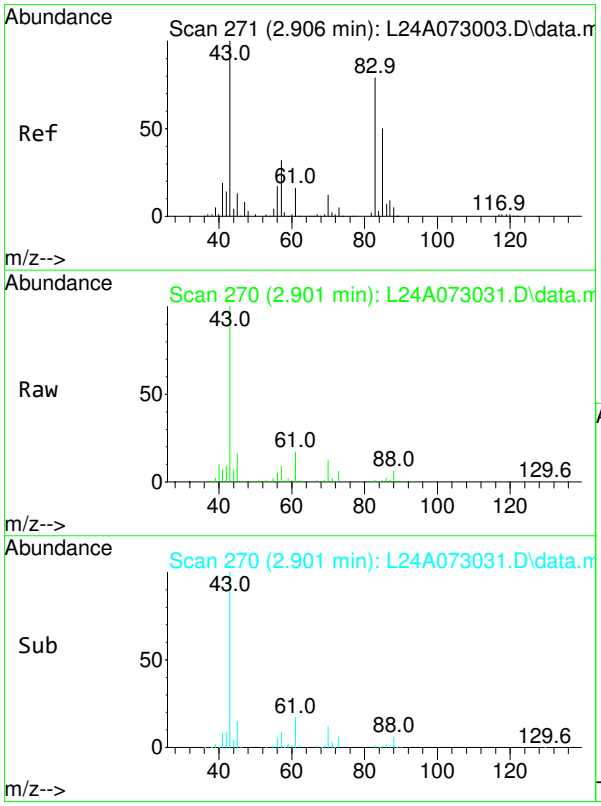


#25
HEXANE
Concen: 0.35 PPBV
RT: 2.896 min Scan# 269
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 41 Resp: 6702

Ion	Ratio	Lower	Upper
41	100		
56	59.4	52.3	92.3
86	22.2	16.1	36.1

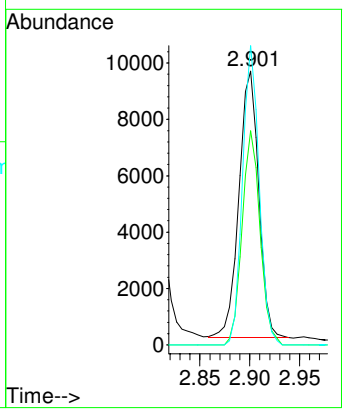


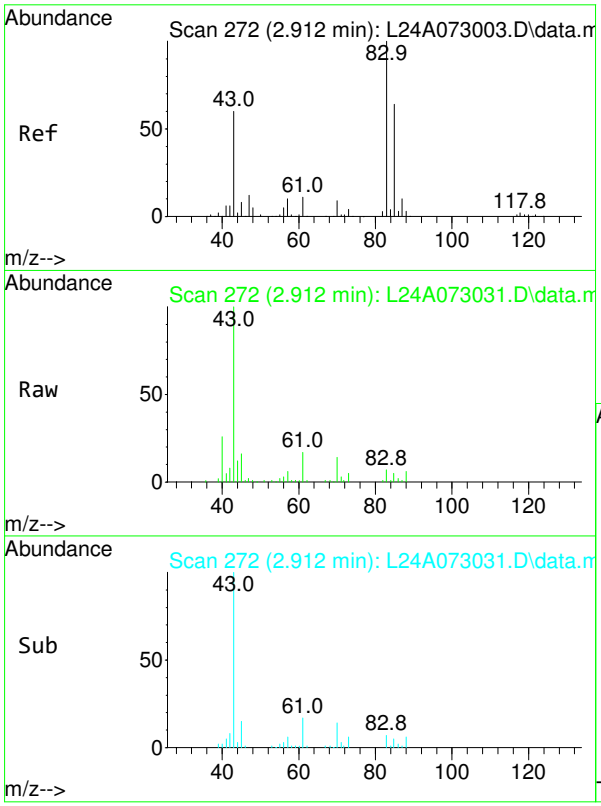


#26
ETHYL ACETATE
Concen: 2.14 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 45 Resp: 13060

Ion	Ratio	Lower	Upper
45	100		
70	72.7	68.8	108.8
61	94.4	83.3	123.3

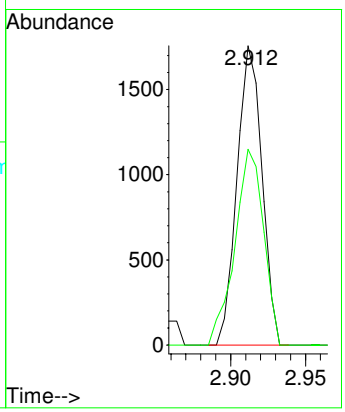


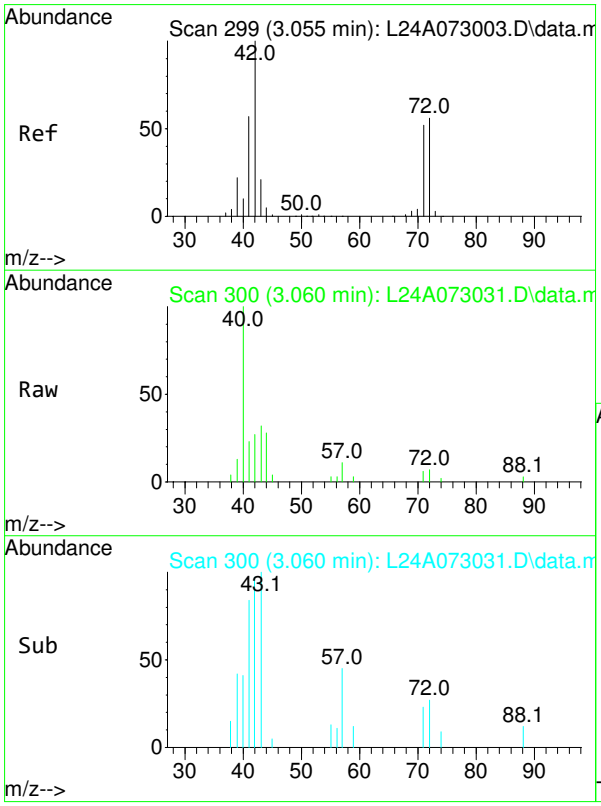


#27
CHLOROFORM
Concen: 0.06 PPBV
RT: 2.912 min Scan# 272
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 83 Resp: 2034

Ion	Ratio	Lower	Upper
83	100		
85	75.3	44.8	84.8

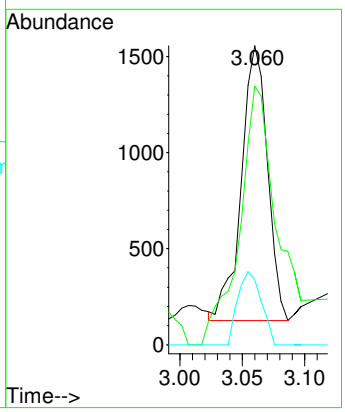


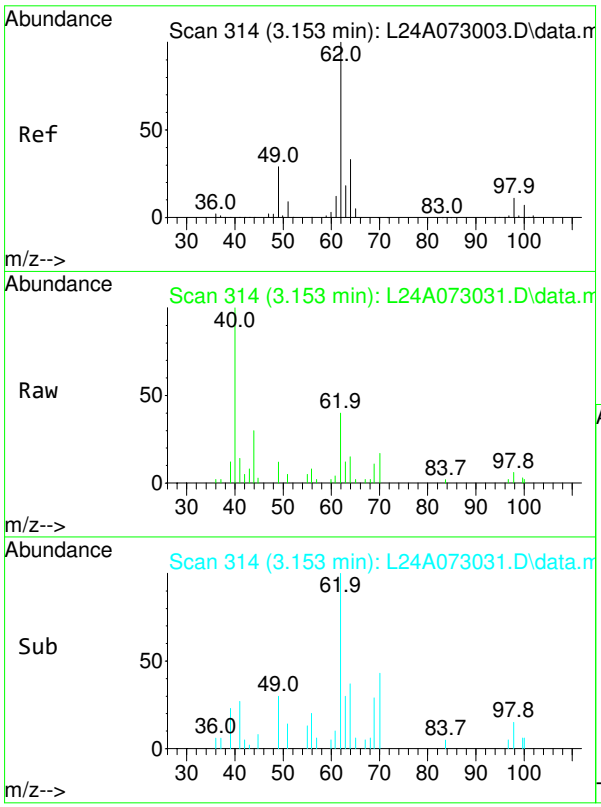


#28
TETRAHYDROFURAN
Concen: 0.09 PPBV
RT: 3.060 min Scan# 300
Delta R.T. 0.009 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 42 Resp: 2079

Ion	Ratio	Lower	Upper
42	100		
41	133.6	33.5	73.5#
71	24.1	24.0	64.0

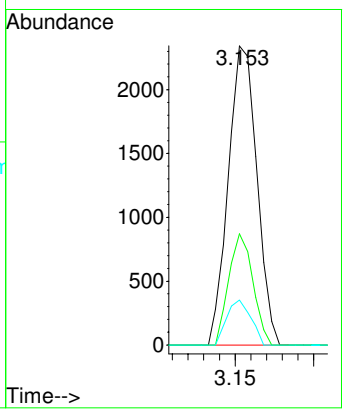


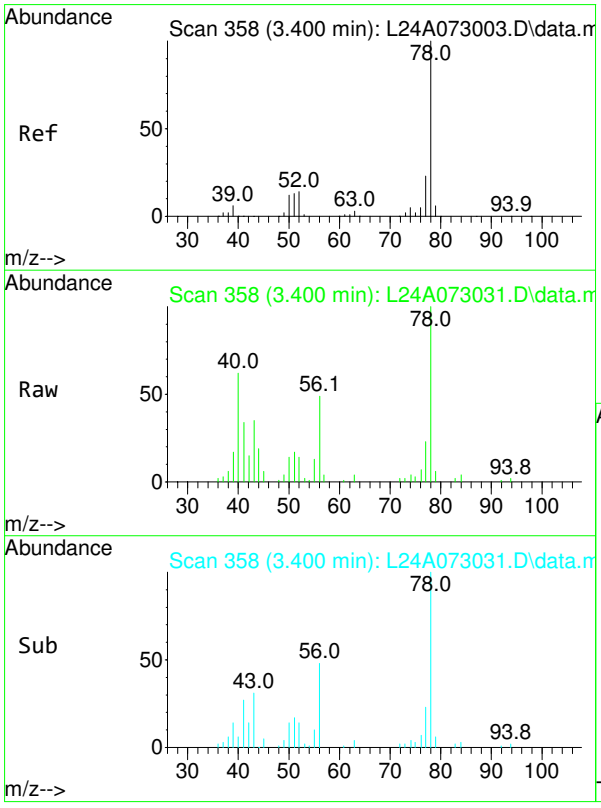


#29
1,2-DICHLOROETHANE
Concen: 0.12 PPBV
RT: 3.153 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 62 Resp: 2927

Ion	Ratio	Lower	Upper
62	100		
64	31.3	13.0	53.0
98	12.6	0.0	19.3

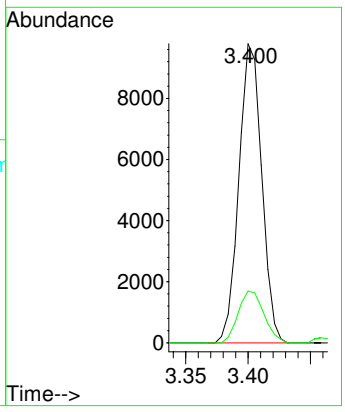


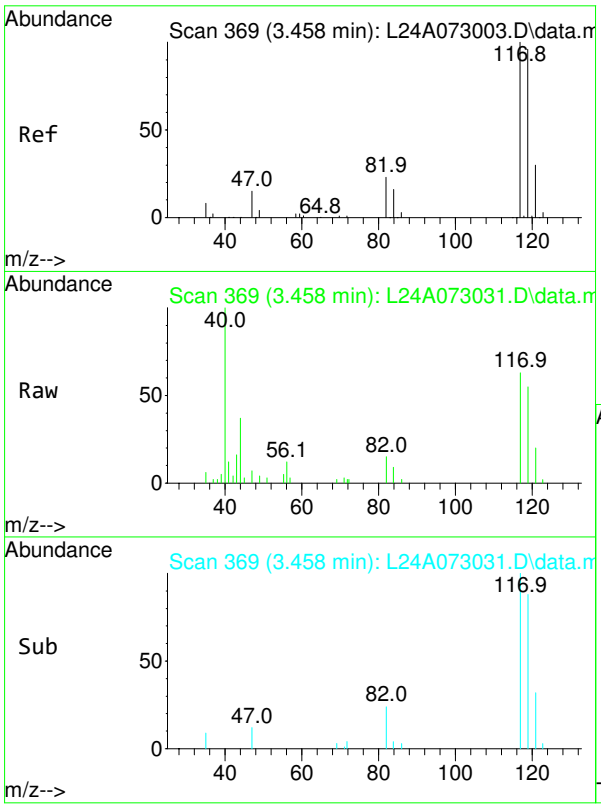


#32
BENZENE
Concen: 0.22 PPBV
RT: 3.400 min Scan# 358
Delta R.T. -0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 78 Resp: 12474

Ion	Ratio	Lower	Upper
78	100		
51	19.5	0.0	37.7

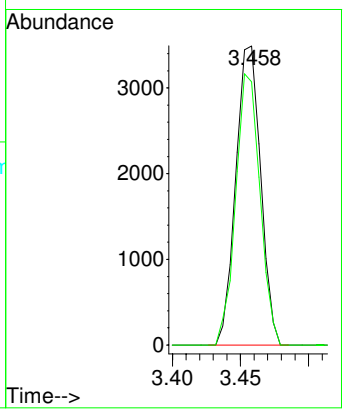


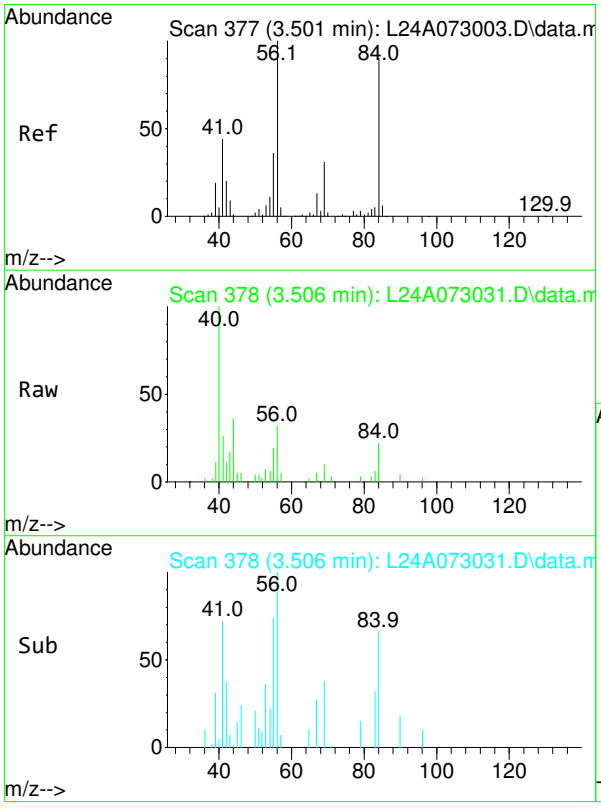


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 3.458 min Scan# 369
Delta R.T. 0.000 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:117 Resp: 4439

Ion	Ratio	Lower	Upper
117	100		
119	88.8	75.3	115.3

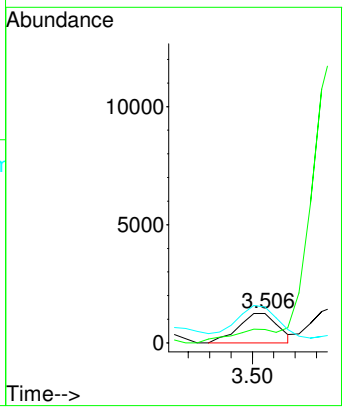


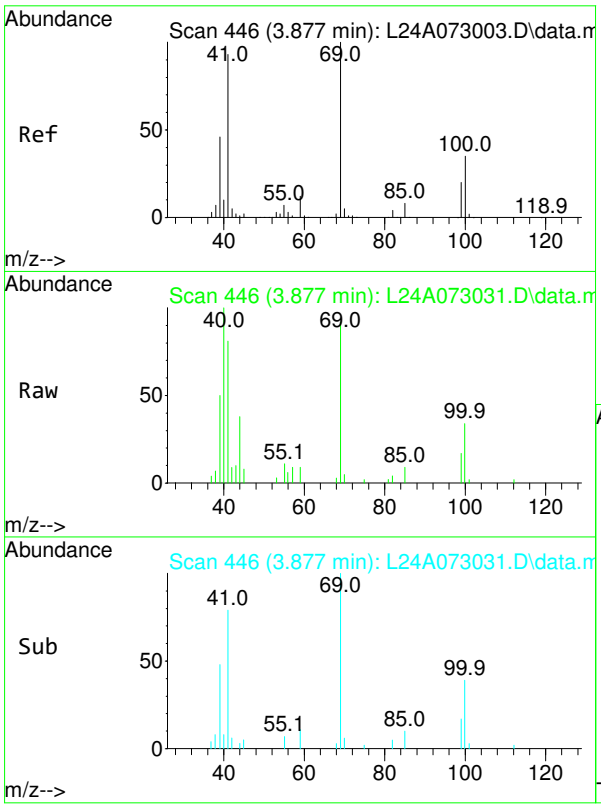


#34
CYCLOHEXANE
Concen: 0.07 PPBV
RT: 3.506 min Scan# 378
Delta R.T. -0.001 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 84 Resp: 1610

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.7	57.7#
41	115.5	44.6	84.6#

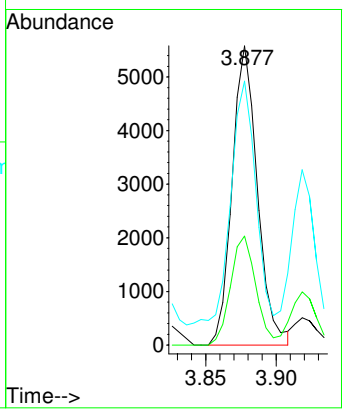


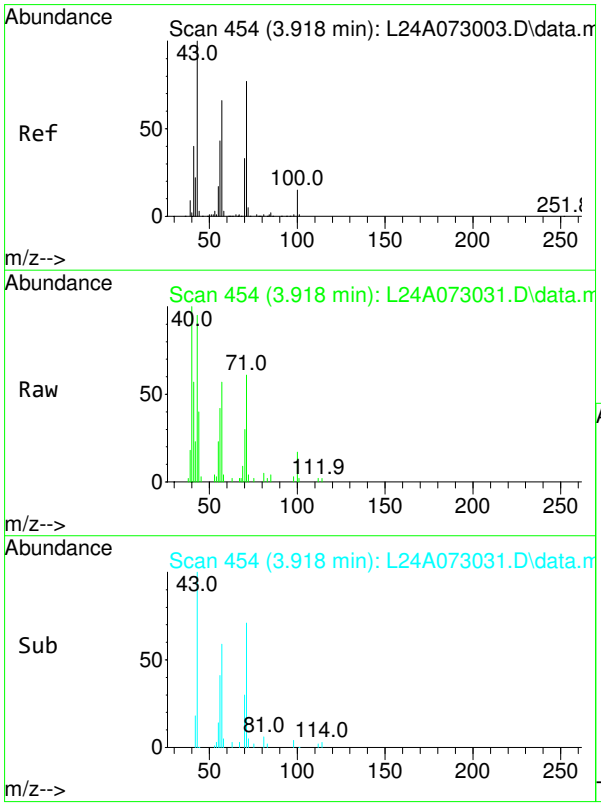


#39
METHYLMETHACRYLATE
Concen: 0.36 PPBV
RT: 3.877 min Scan# 446
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 69 Resp: 6959

Ion	Ratio	Lower	Upper
69	100		
100	36.2	18.0	58.0
41	79.6	102.8	142.8#

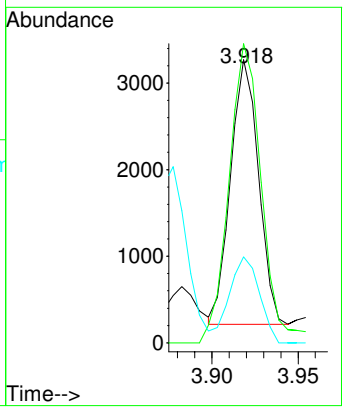


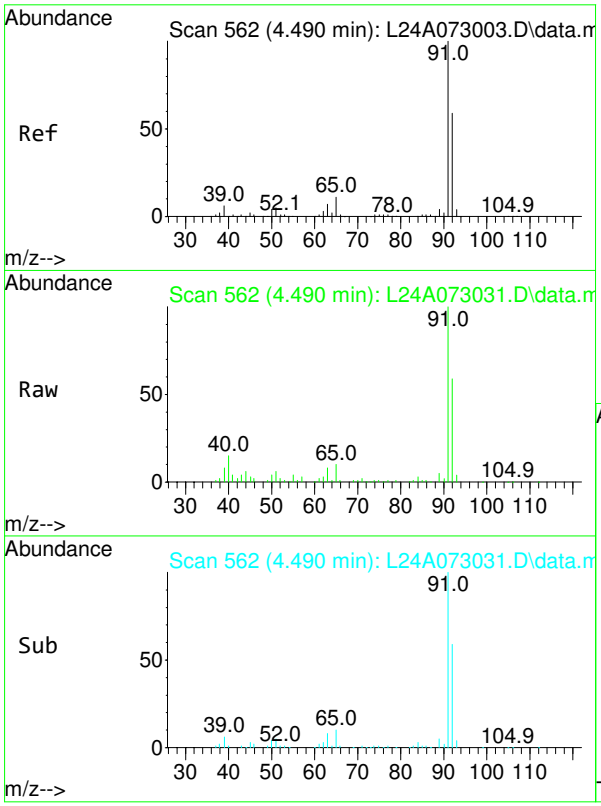


#40
HEPTANE
Concen: 0.20 PPBV
RT: 3.918 min Scan# 454
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 57 Resp: 3443

Ion	Ratio	Lower	Upper
57	100		
71	130.0	87.9	127.9#
100	35.1	4.4	44.4

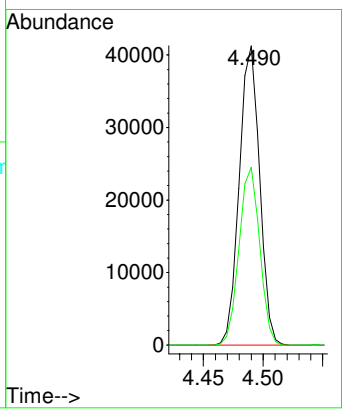


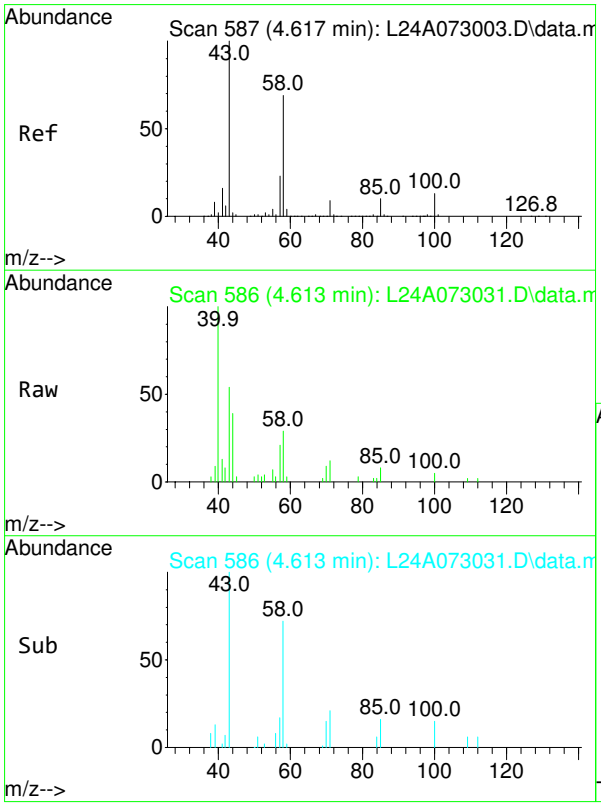


#46
TOLUENE
Concen: 0.71 PPBV
RT: 4.490 min Scan# 562
Delta R.T. -0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 48535

Ion	Ratio	Lower	Upper
91	100		
92	60.1	39.1	79.1

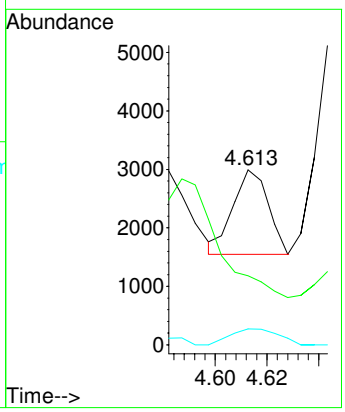


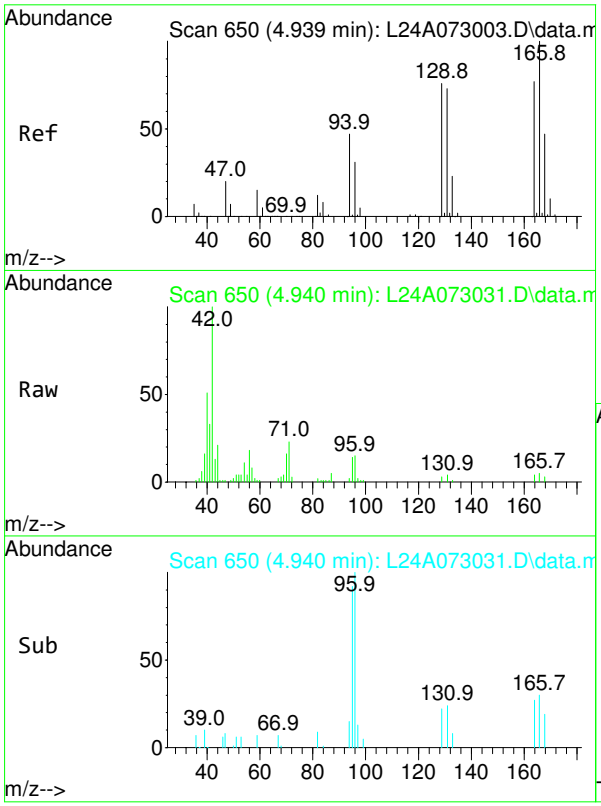


#47
2-HEXANONE(MBK)
Concen: 0.03 PPBV
RT: 4.613 min Scan# 586
Delta R.T. -0.007 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 43 Resp: 1357

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	39.5
100	26.1	1.7	21.7#

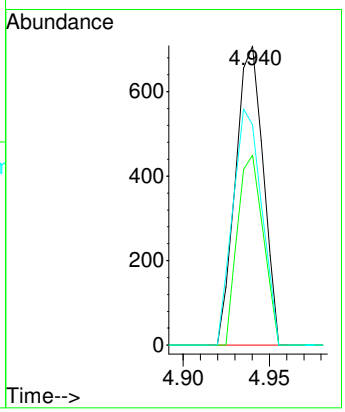


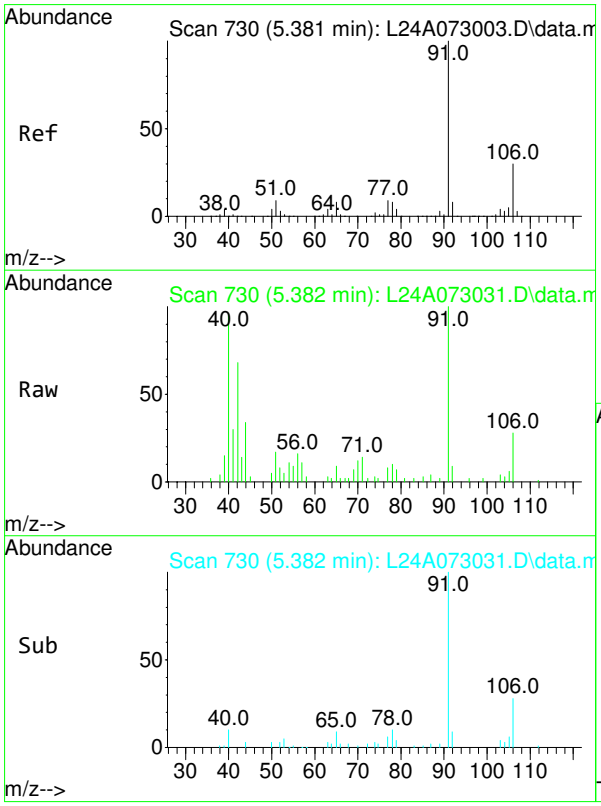


#50
TETRACHLOROETHENE
Concen: 0.03 PPBV
RT: 4.940 min Scan# 650
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:166 Resp: 791

Ion	Ratio	Lower	Upper
166	100		
168	59.3	28.8	68.8
129	82.4	56.6	96.6

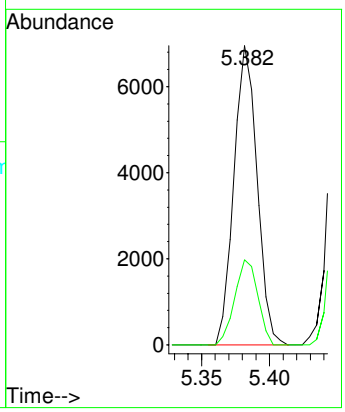


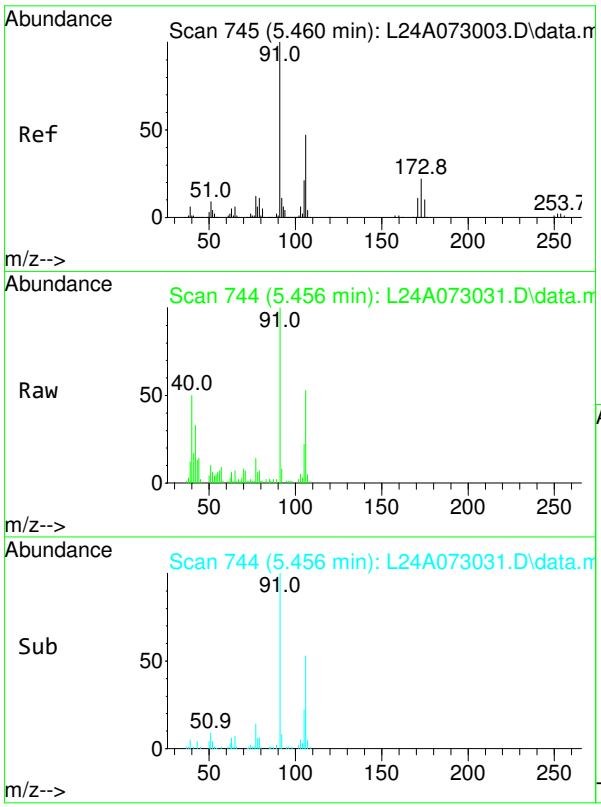


#52
ETHYLBENZENE
Concen: 0.10 PPBV
RT: 5.382 min Scan# 730
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 8254

Ion	Ratio	Lower	Upper
91	100		
106	28.2	10.1	50.1

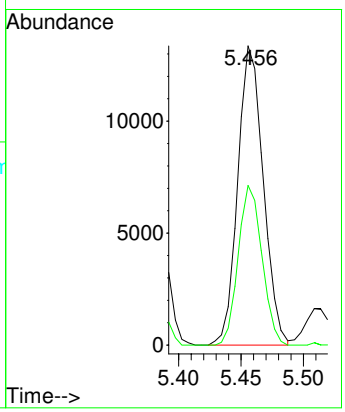


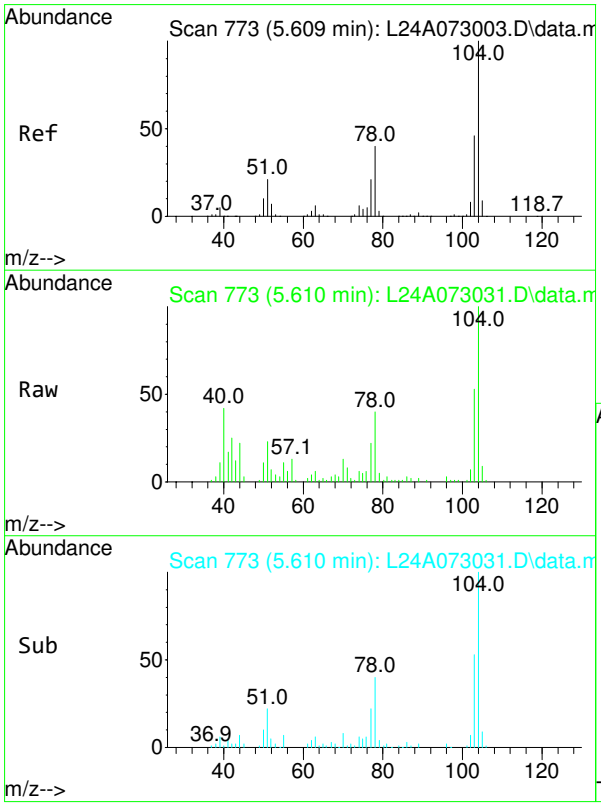


#53
M/P-XYLENE
Concen: 0.27 PPBV
RT: 5.456 min Scan# 744
Delta R.T. -0.012 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 19003

Ion	Ratio	Lower	Upper
91	100		
106	49.7	24.9	64.9

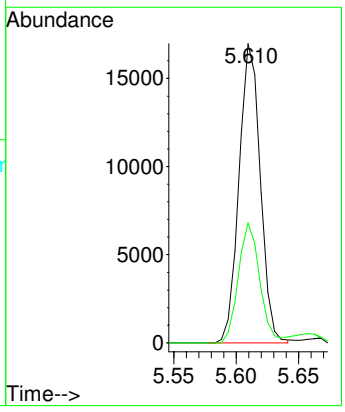


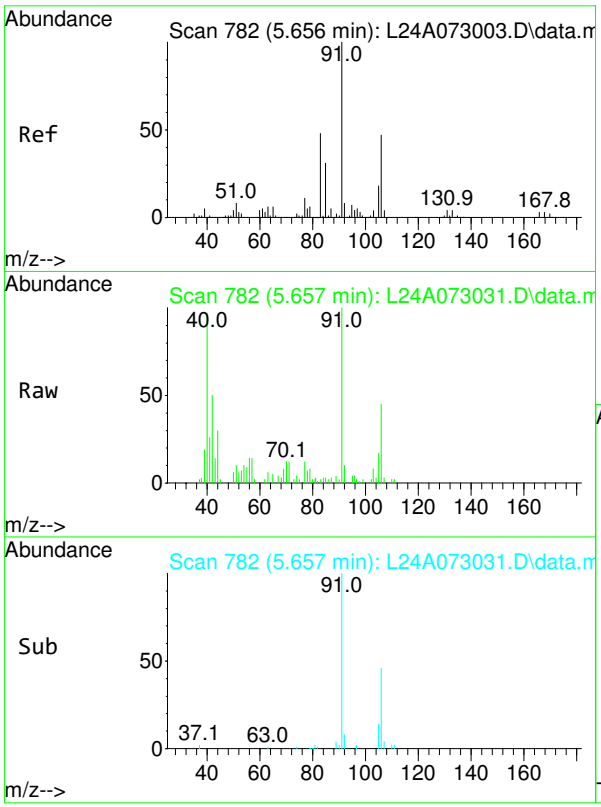


#55
STYRENE
Concen: 0.42 PPBV
RT: 5.610 min Scan# 773
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:104 Resp: 20120

Ion	Ratio	Lower	Upper
104	100		
78	40.1	24.7	64.7

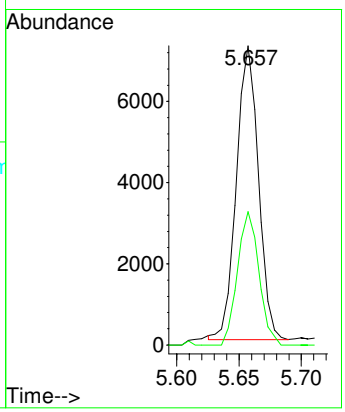


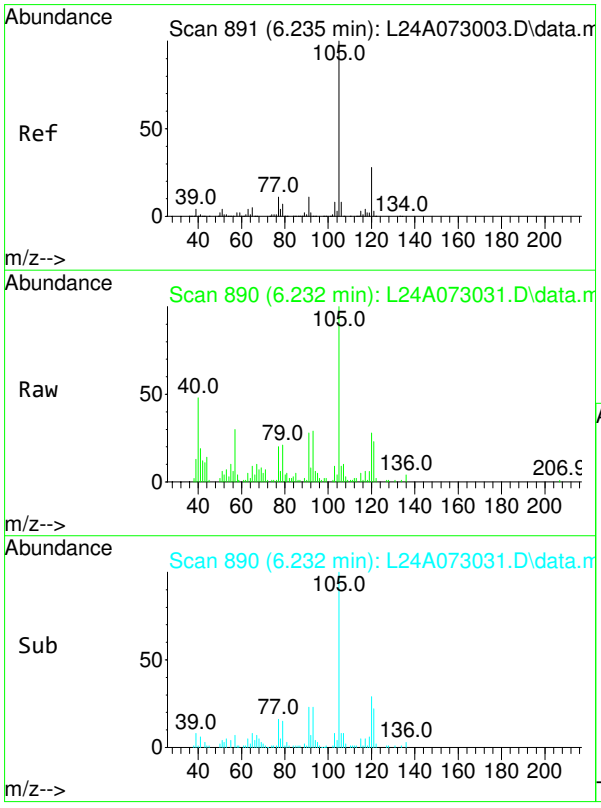


#56
O-XYLENE
Concen: 0.13 PPBV
RT: 5.657 min Scan# 782
Delta R.T. -0.007 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 91 Resp: 8892

Ion	Ratio	Lower	Upper
91	100		
106	44.2	25.4	65.4

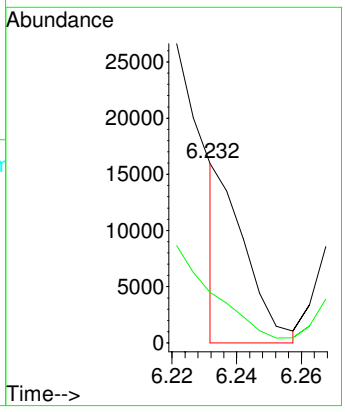


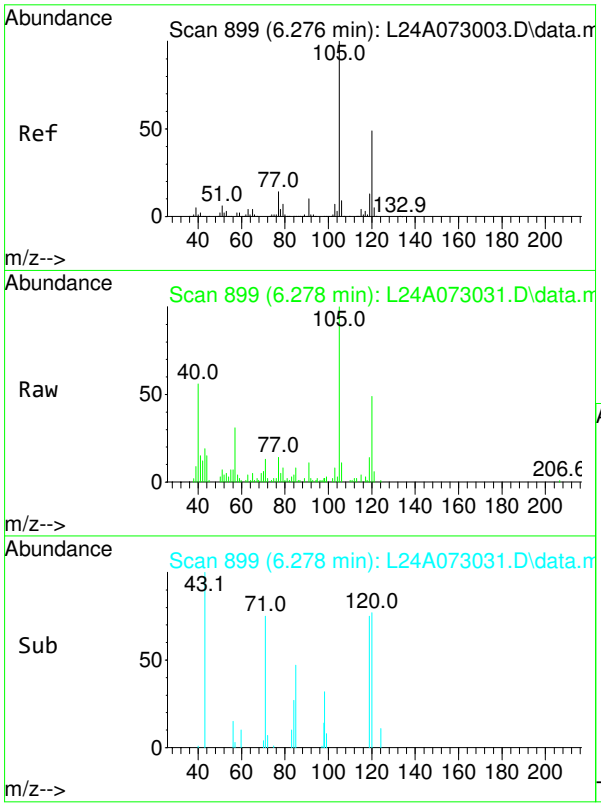


#59
4-ETHYLTOLUENE
Concen: 0.10 PPBV m
RT: 6.232 min Scan# 890
Delta R.T. -0.009 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:105 Resp: 9137

Ion	Ratio	Lower	Upper
105	100		
120	156.9	8.8	48.8#

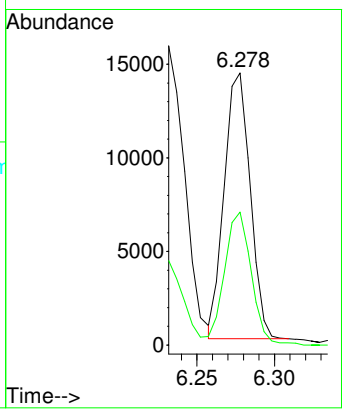


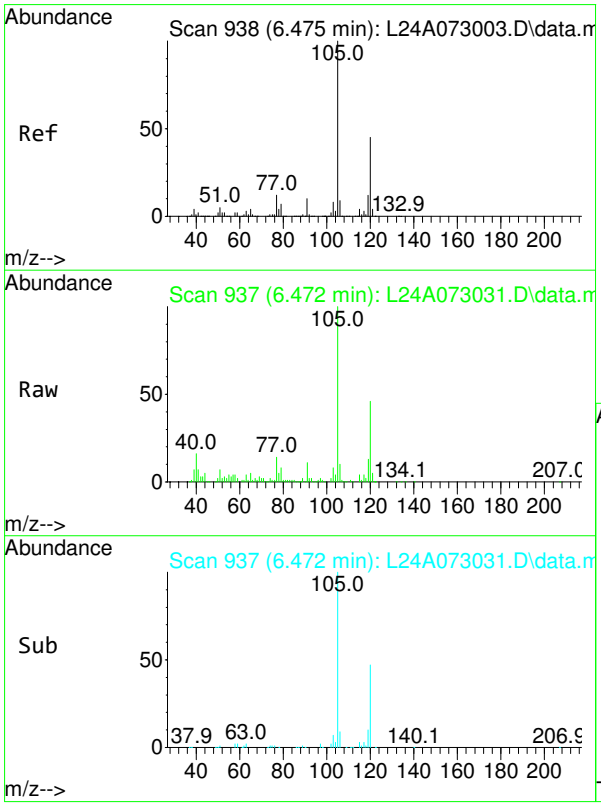


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.22 PPBV
RT: 6.278 min Scan# 899
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:105 Resp: 16526

Ion	Ratio	Lower	Upper
105	100		
120	49.7	26.9	66.9

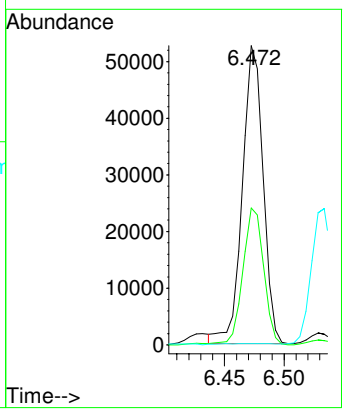


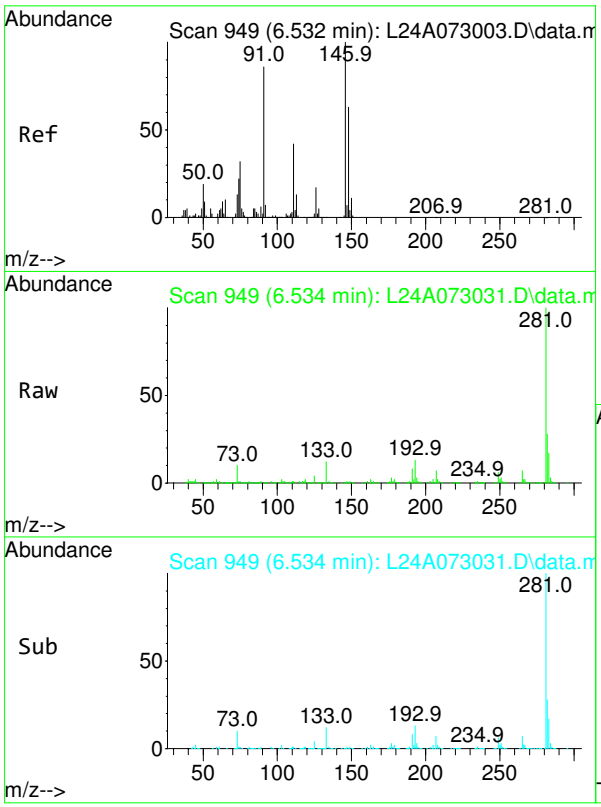


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.86 PPBV
RT: 6.472 min Scan# 937
Delta R.T. -0.011 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:105 Resp: 63544

Ion	Ratio	Lower	Upper
105	100		
120	46.1	24.0	64.0
207	1.2	0.0	20.0

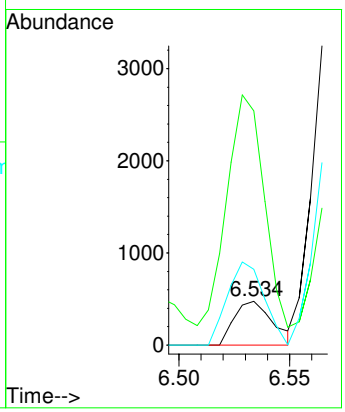


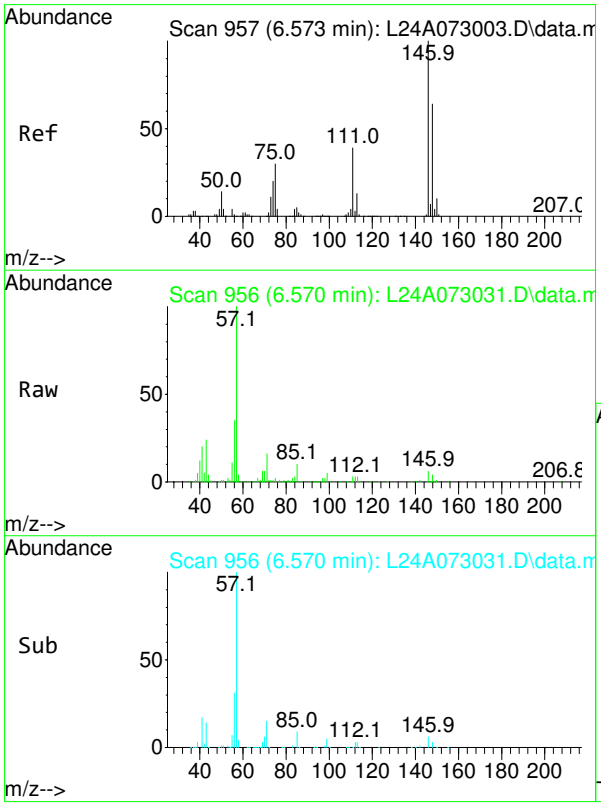


#62
1,3-DICHLOROBENZENE
Concen: 0.01 PPBV
RT: 6.534 min Scan# 949
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:146 Resp: 569

Ion	Ratio	Lower	Upper
146	100		
111	508.4	22.8	62.8#
148	182.1	42.9	82.9#

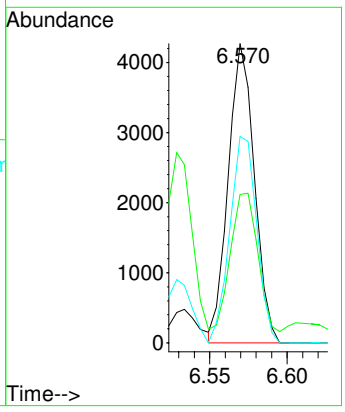


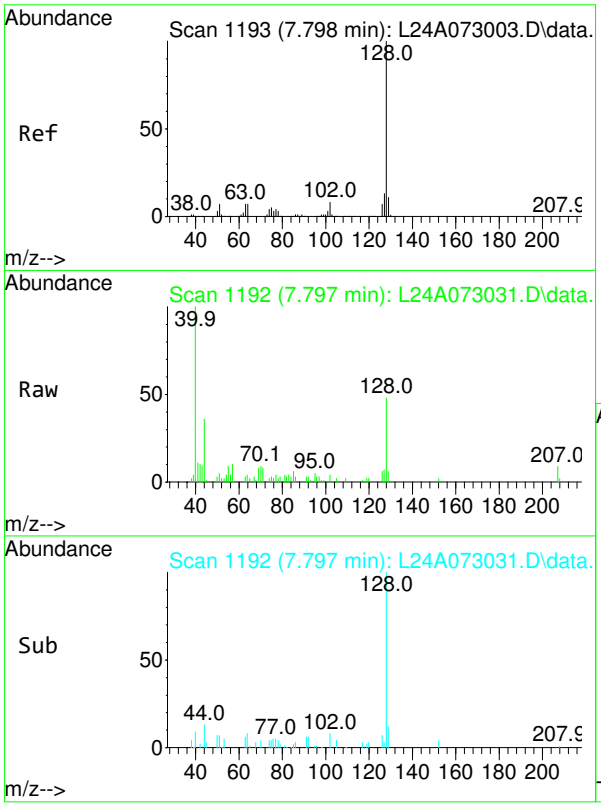


#64
1,4-DICHLOROBENZENE
Concen: 0.12 PPBV
RT: 6.570 min Scan# 956
Delta R.T. -0.007 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:146 Resp: 5019

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.5	60.5
148	71.1	44.9	84.9

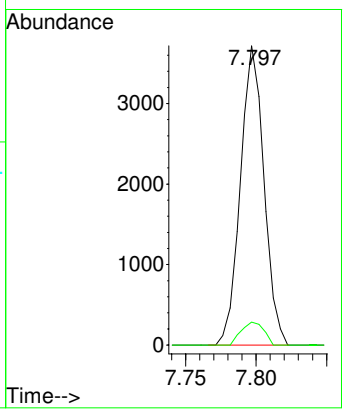


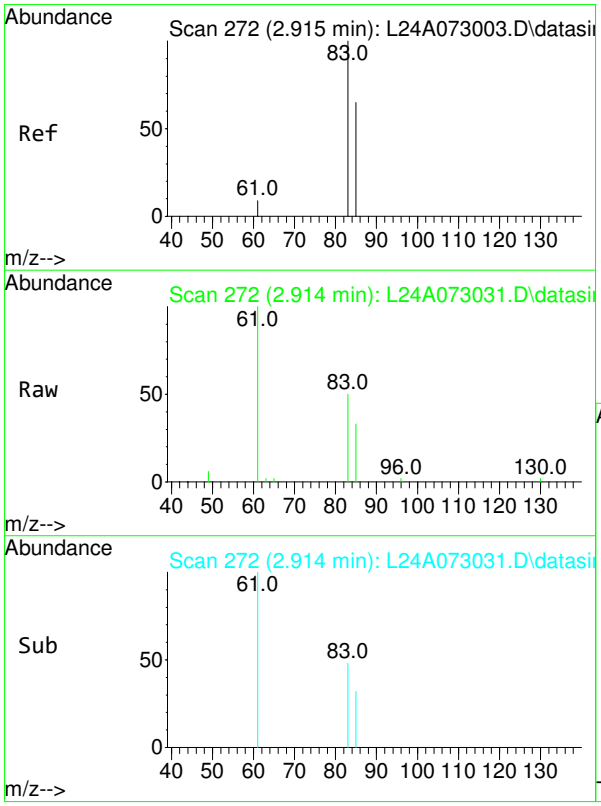


#67
NAPHTHALENE
Concen: 0.06 PPBV
RT: 7.797 min Scan# 1192
Delta R.T. -0.006 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:128 Resp: 4329

Ion	Ratio	Lower	Upper
128	100		
102	7.4	0.0	29.2

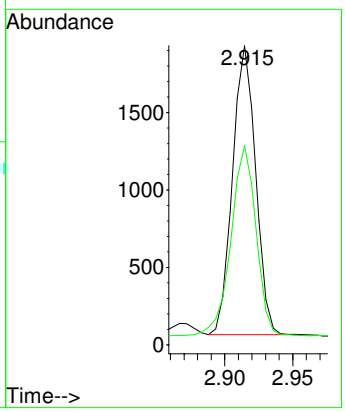


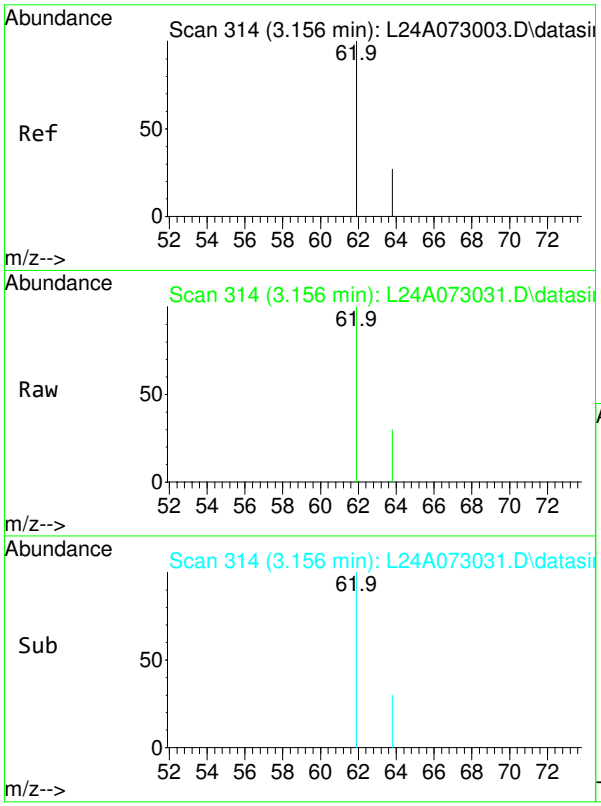


#75
CHLOROFORM (SIM)
Concen: 0.06 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 83 Resp: 2204

Ion	Ratio	Lower	Upper
83	100		
85	70.6	45.0	85.0

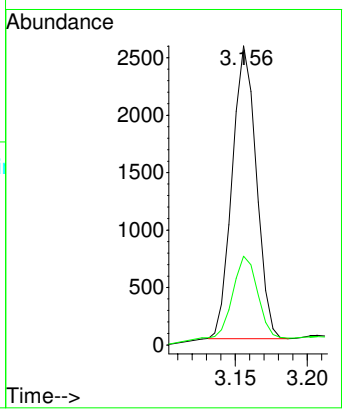


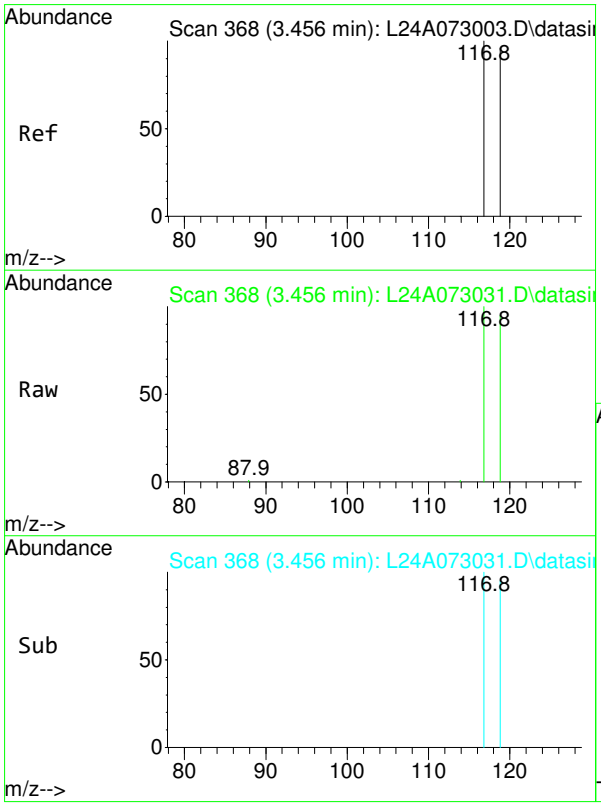


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.11 PPBV
RT: 3.156 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 62 Resp: 2920

Ion	Ratio	Lower	Upper
62	100		
64	28.2	7.0	47.0

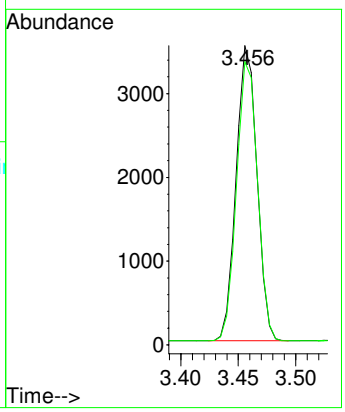


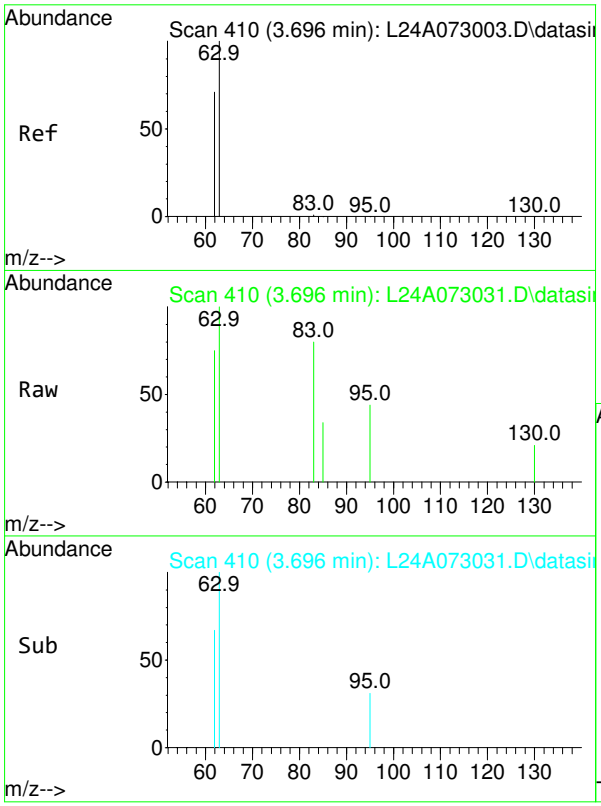


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.456 min Scan# 368
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion:117 Resp: 4392

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	116.3

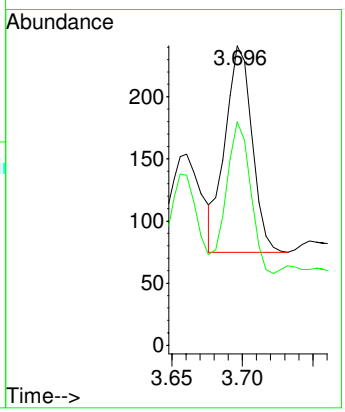




#79
1,2-DICHLOROPROPANE (SIM)
Concen: 0.01 PPBV
RT: 3.696 min Scan# 410
Delta R.T. -0.005 min
Lab File: L24A073031.D
Acq: 14 Mar 2024 01:23 am

Tgt Ion: 63 Resp: 220

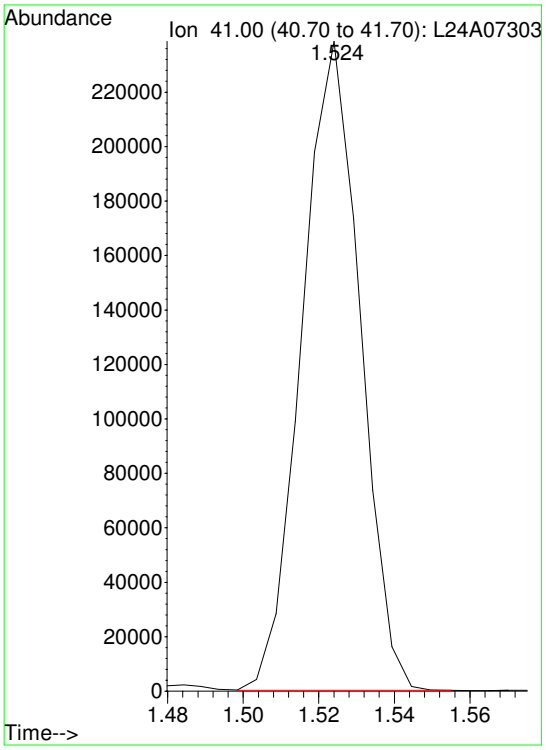
Ion	Ratio	Lower	Upper
63	100		
62	65.9	51.5	91.5



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

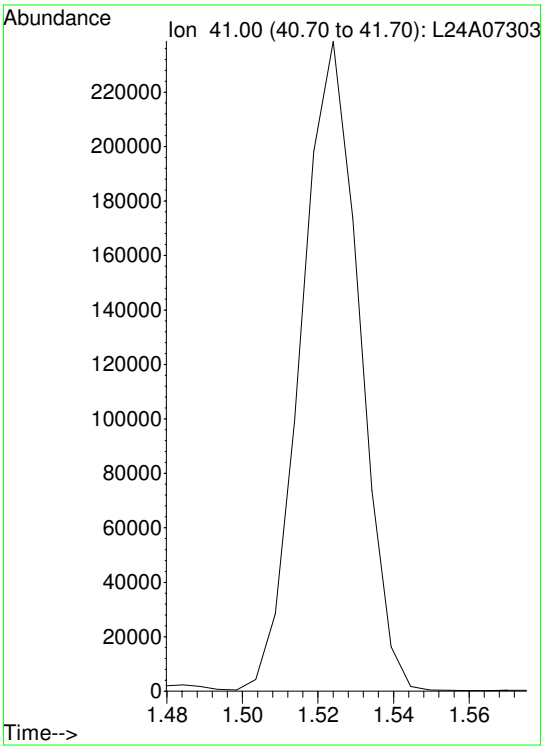
RT : 1.52
Area : 255158
Amount: 24.564

Manual Int. Results

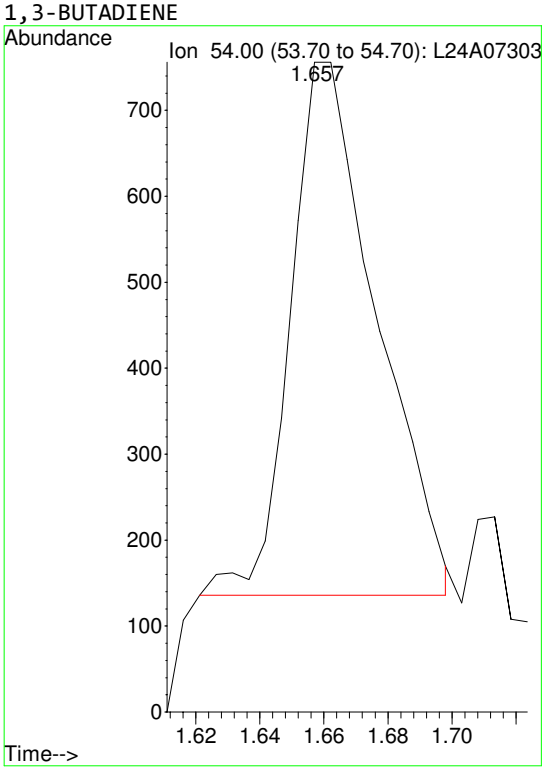
Fri Mar 15 11:13:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

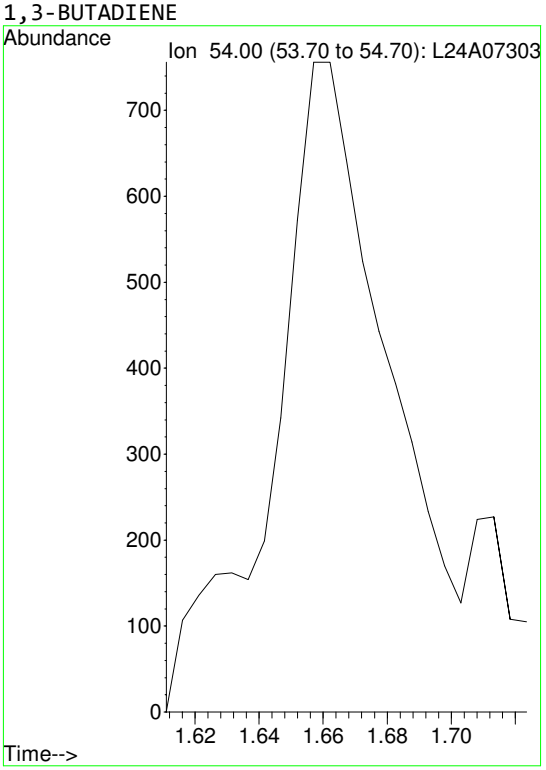
RT : 1.66
Area : 1157
Amount: 0.0823583

Manual Int. Results

Fri Mar 15 11:13:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

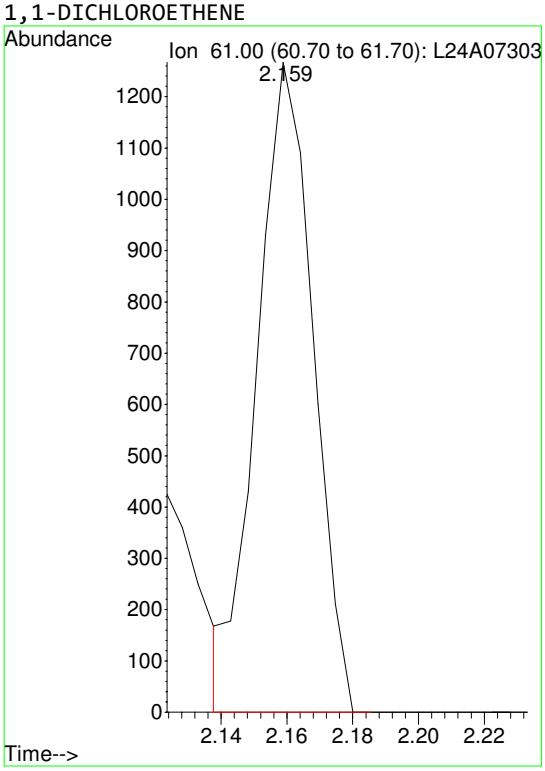
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

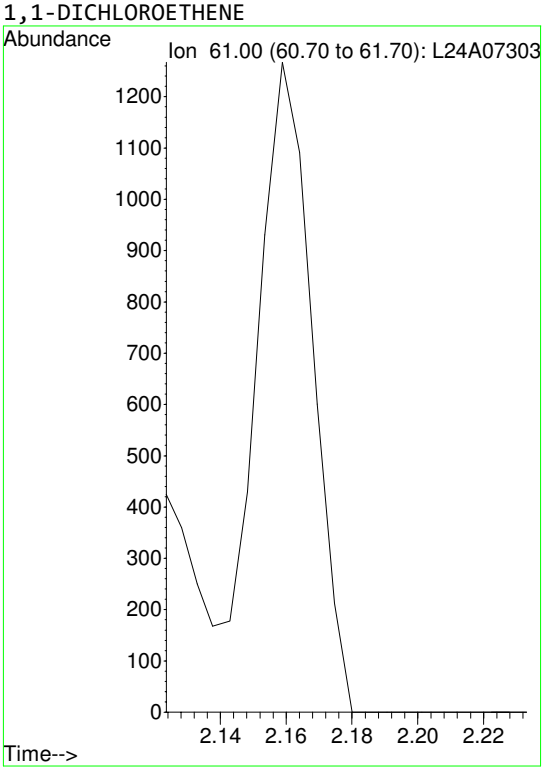
RT : 2.16
Area : 1499
Amount: 0.0521733

Manual Int. Results

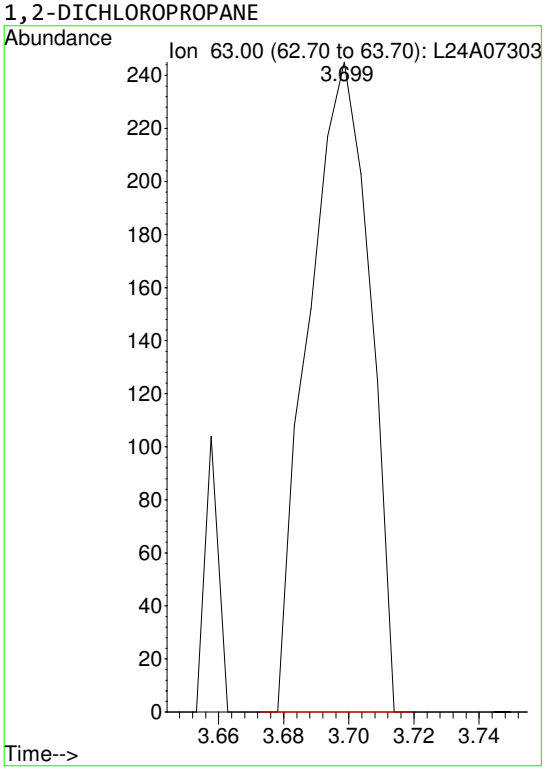
Fri Mar 15 11:13:26 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

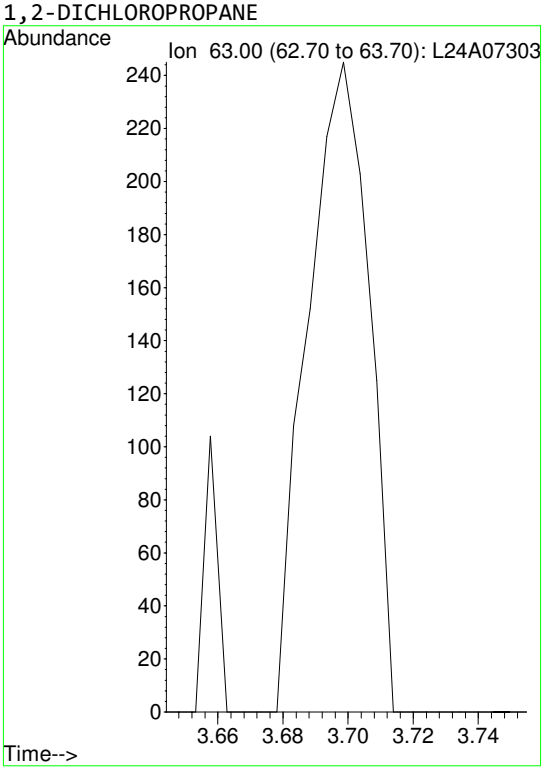
RT : 3.70
Area : 322
Amount: 0.0160999

Manual Int. Results

Fri Mar 15 11:13:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

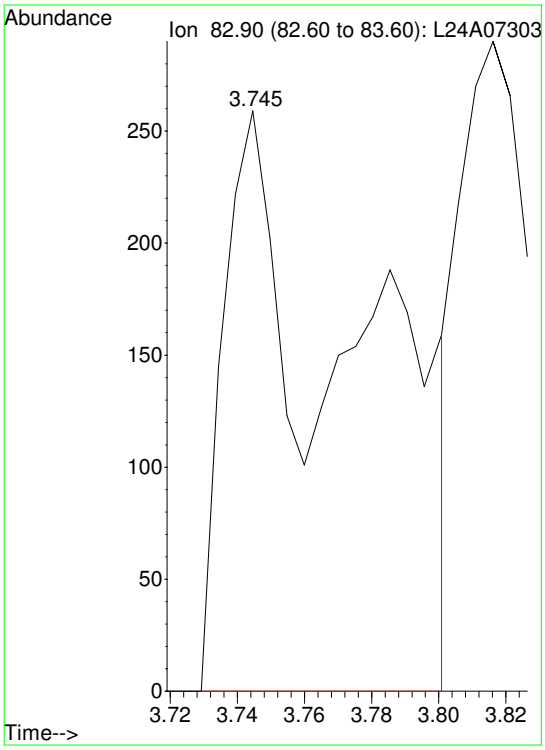
Manual Integration
1,2-DICHLOROPROPANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE



Original Int. Results

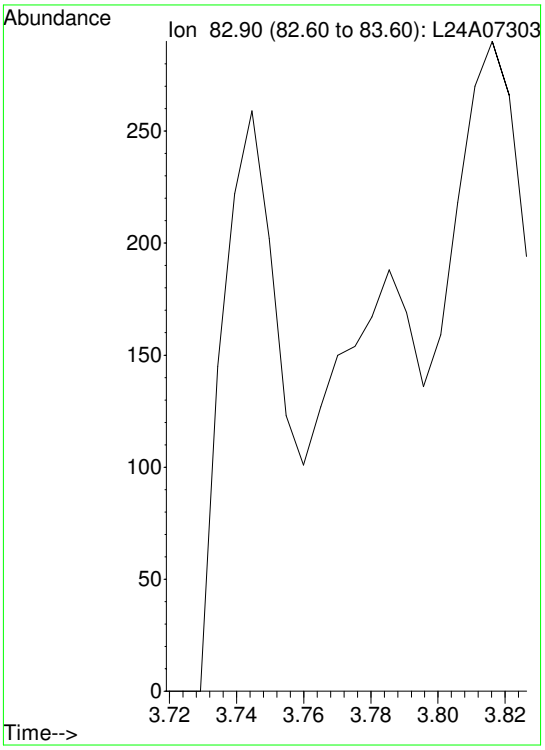
RT : 3.74
Area : 706
Amount: 0.0164985

Manual Int. Results

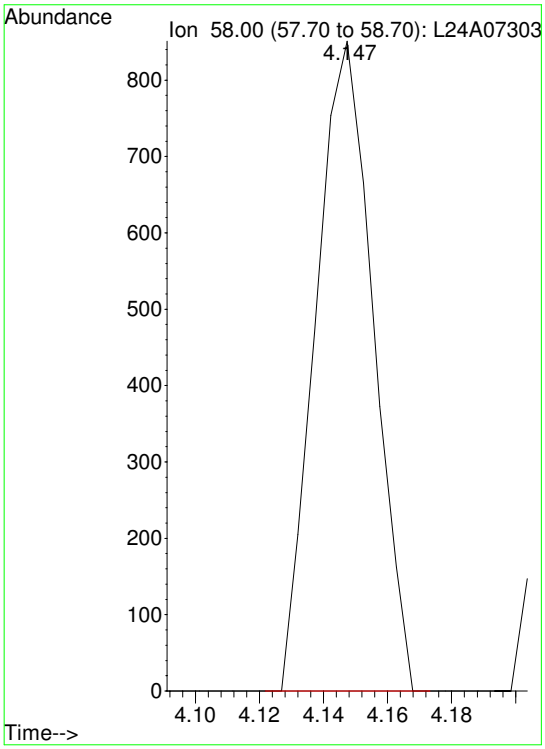
Fri Mar 15 11:13:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE



Original Integration
MIBK



Original Int. Results

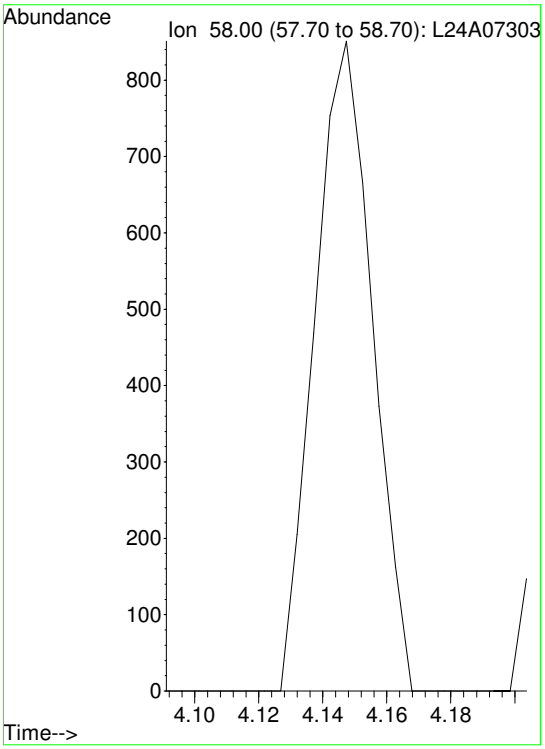
RT : 4.15
Area : 1068
Amount: 0.0575483

Manual Int. Results

Fri Mar 15 11:13:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

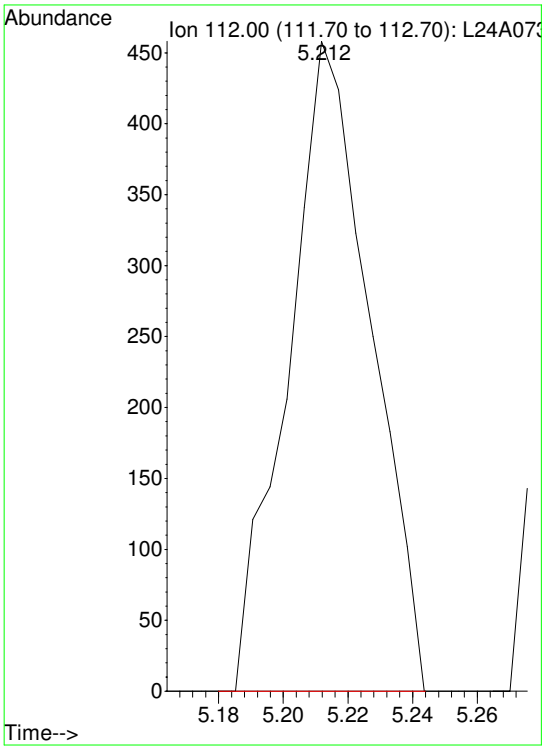
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROBENZENE



Original Int. Results

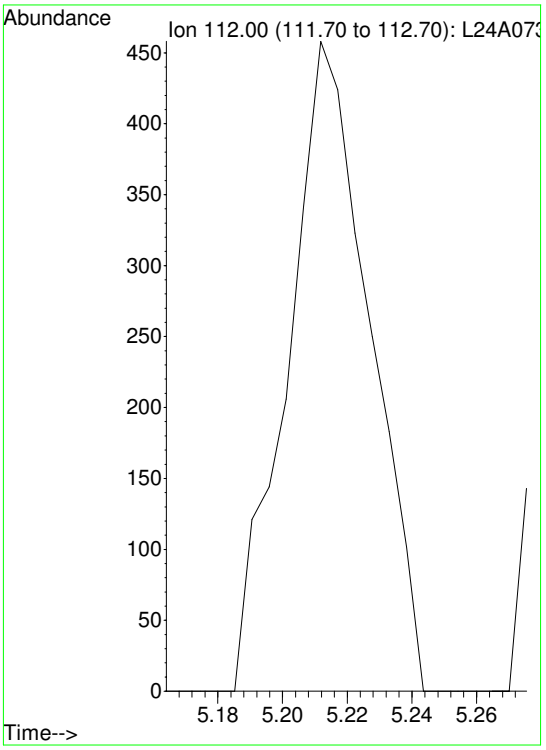
RT : 5.21
Area : 812
Amount: 0.015531

Manual Int. Results

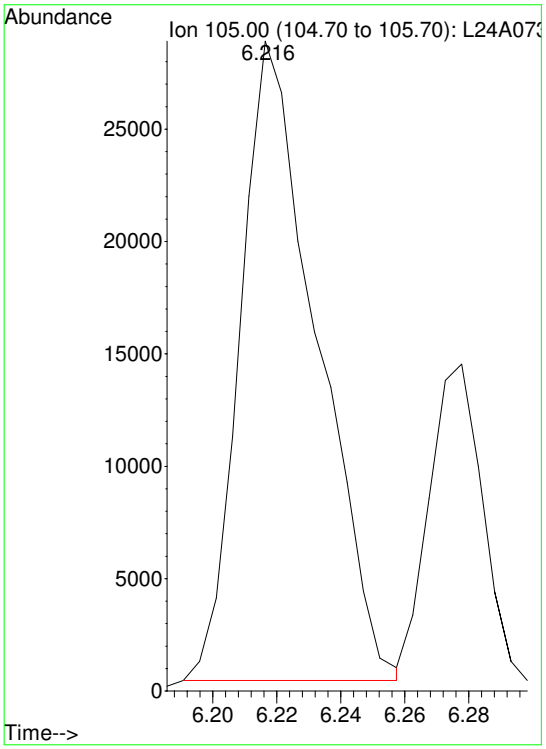
Fri Mar 15 11:14:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

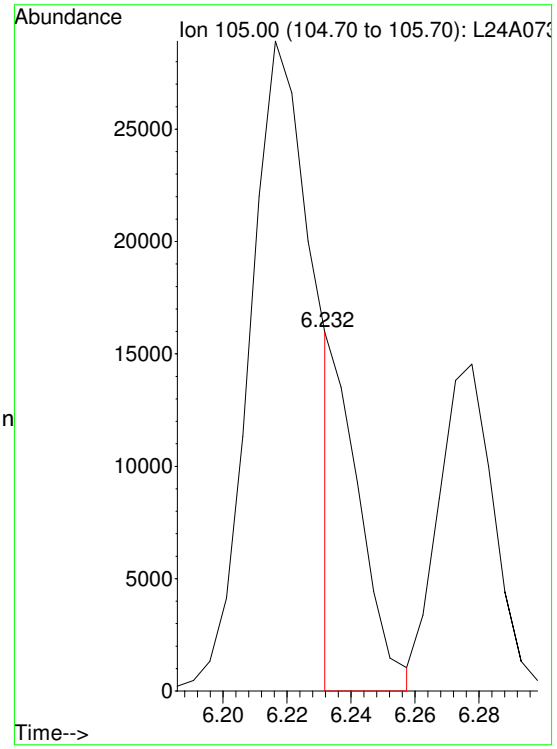
RT : 6.22
Area : 47260
Amount: 0.523325

Manual Int. Results

Fri Mar 15 11:14:10 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 9137
Amount: 0.101177

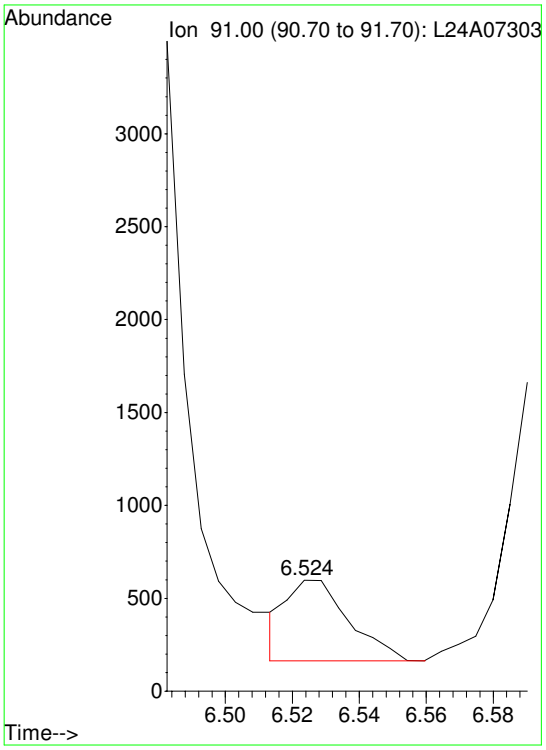
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BENZYL CHLORIDE



Original Int. Results

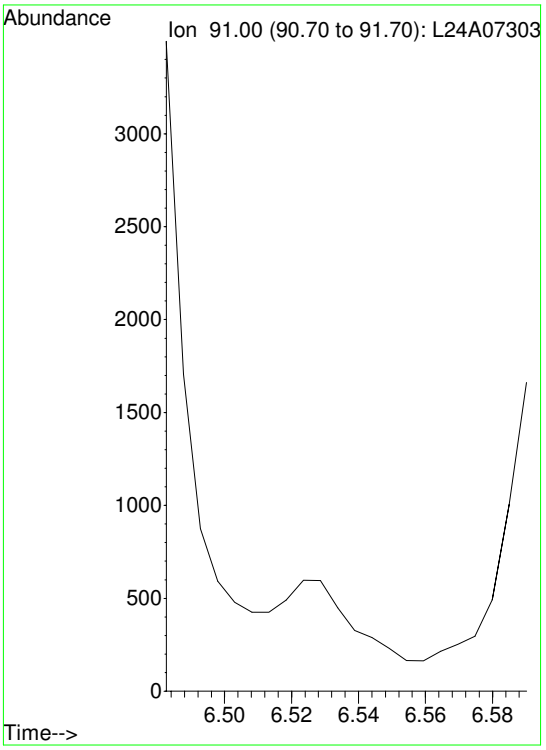
RT : 6.52
Area : 566
Amount: 0.0119892

Manual Int. Results

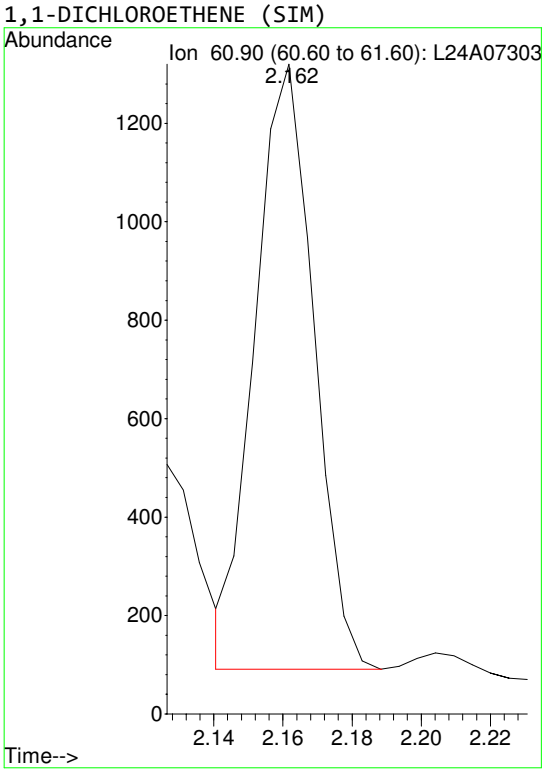
Fri Mar 15 11:14:14 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

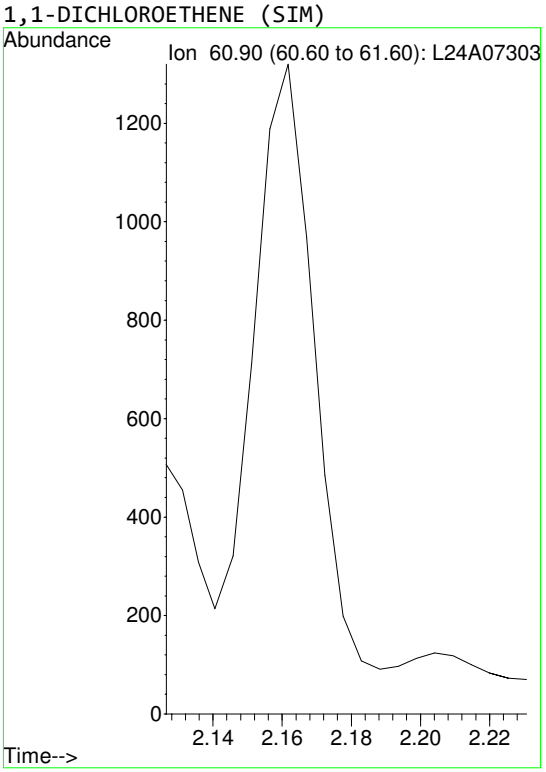
RT : 2.16
Area : 1455
Amount: 0.0459279

Manual Int. Results

Fri Mar 15 11:14:24 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

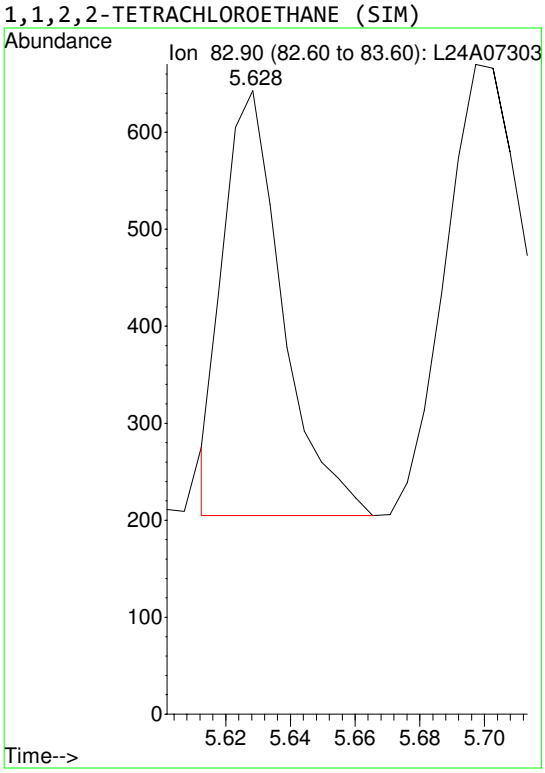
Manual Integration
1,1-DICHLOROETHENE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073031.D
Acq On : 14 Mar 2024 01:23 am
Operator : CMR
Sample : 24C0251-06 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:14:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

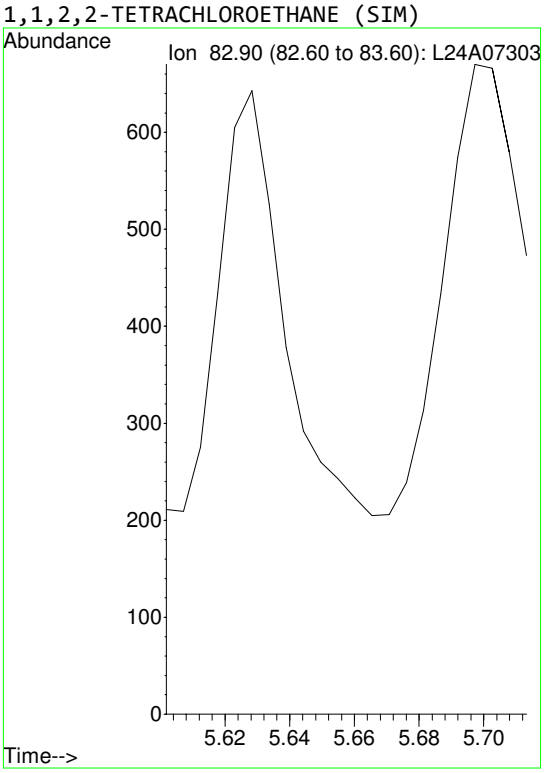
RT : 5.63
Area : 560
Amount: 0.0102026

Manual Int. Results

Fri Mar 15 11:14:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-07	File ID:	L24A073037.D
Sampled:	02/28/24 20:53	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:27
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.6	2.0	4.0	J
71-43-2	Benzene	0.038	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	1.4	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.31	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-07	File ID:	L24A073037.D
Sampled:	02/28/24 20:53	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:27
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	26	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane		0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.088	0.086	0.10	J
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.17	0.050	0.10	
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	13	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.26	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.062	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate	0.48	0.41	2.0	J
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-SSV-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-07	File ID:	L24A073037.D
Sampled:	02/28/24 20:53	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 04:27
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
				Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene	0.11	0.070	0.20	J
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073037.D Vial: 32
Acq On : 14 Mar 2024 04:27 am Operator: CMR
Sample : 24C0251-07 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:10 2024

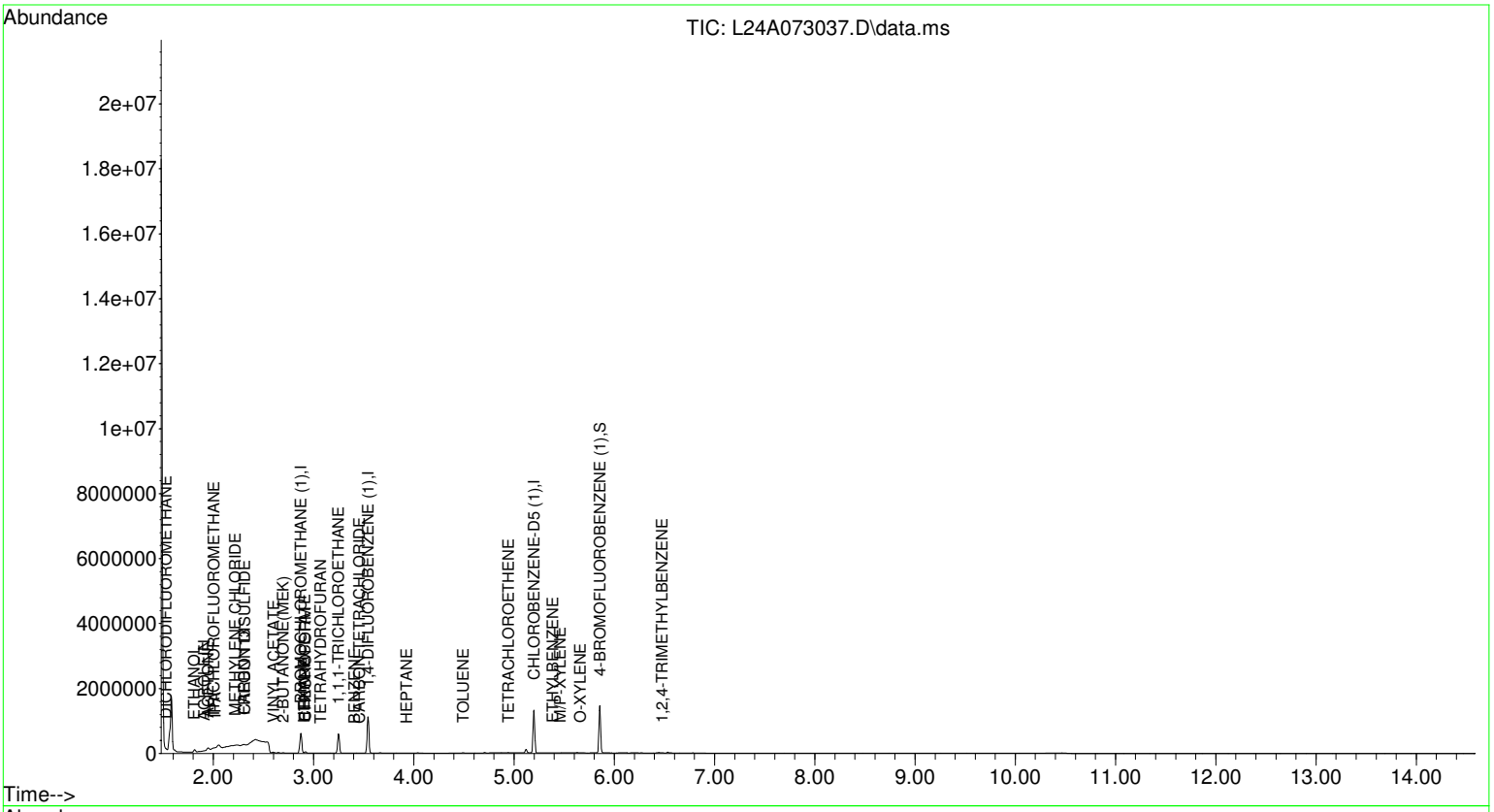
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073037.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

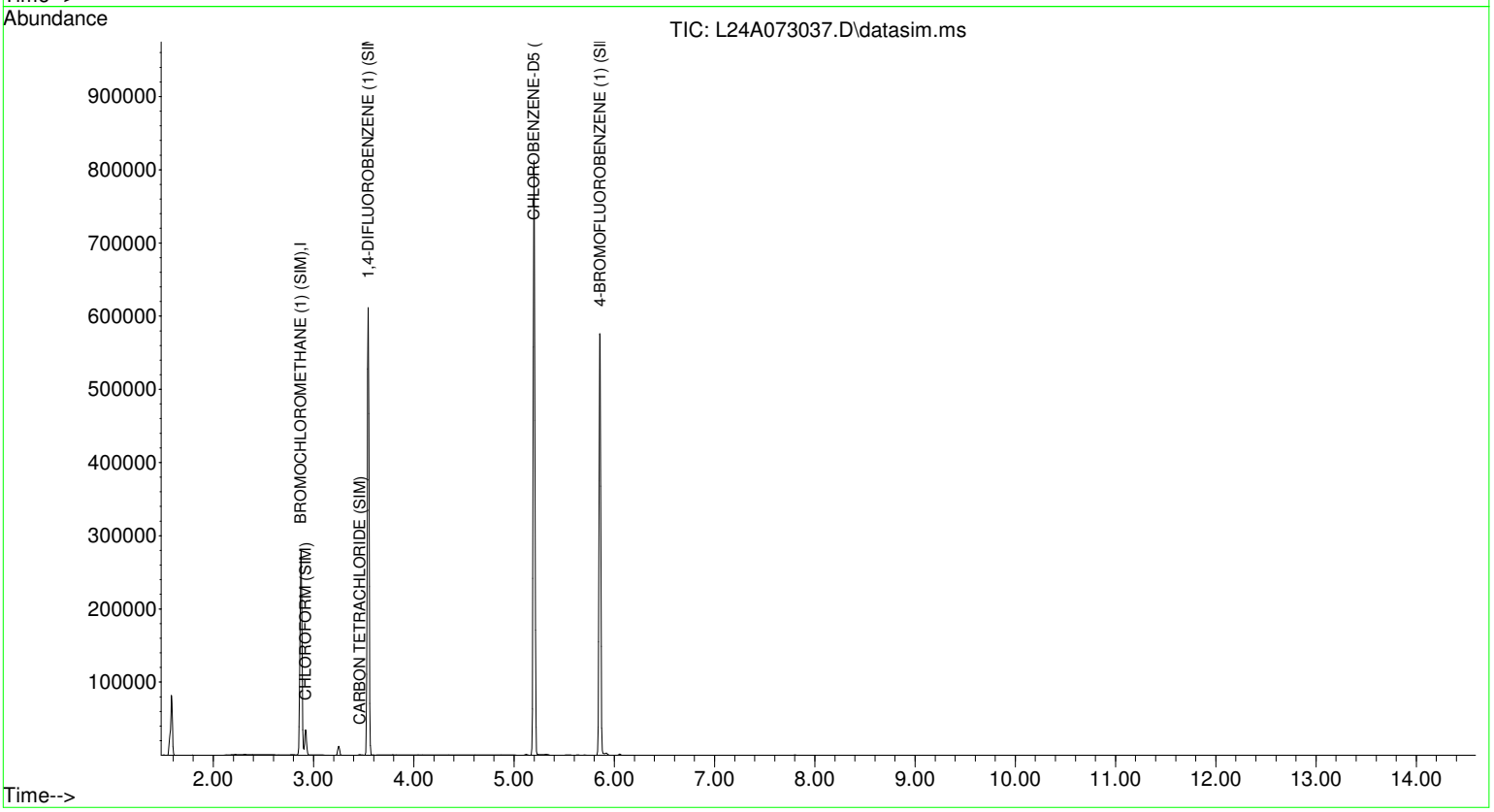
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.874	49	200252	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.542	114	623344	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	565705	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	219619	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.545	114	647355	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	620774	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	286890	7.368	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.13%				
87) 4-BROMOFLUOROBENZENE (...	5.859	174	299415	7.534	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.13%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	6942	0.157	PPBV		93
10) ACROLEIN	1.907	56	2150	0.271	PPBV		100
11) ACETONE	1.948	43	50747	1.806	PPBV	#	57
12) TRICHLOROFLUOROMETHANE	2.005	101	5912	0.130	PPBV		89
13) ETHANOL	1.810	45	56530	13.036	PPBV		99
15) METHYLENE CHLORIDE	2.217	49	924	0.042	PPBV		87
16) FREON 113	2.307	101	1106	0.031	PPBV	#	66
17) CARBON DISULFIDE	2.312	76	849	0.016	PPBV		95
21) IPA	2.020	45	11561	0.391	PPBV		79
22) 2-BUTANONE(MEK)	2.694	43	9172	0.265	PPBV		80
24) VINYL ACETATE	2.604	43	8750	0.239	PPBV		81
25) HEXANE	2.906	41	747	0.040	PPBV	#	79
26) ETHYL ACETATE	2.911	45	487	0.081	PPBV	#	71
27) CHLOROFORM	2.917	83	24316	0.675	PPBV		100
28) TETRAHYDROFURAN	3.070	42	780	0.034	PPBV	#	46
31) 1,1,1-TRICHLOROETHANE	3.249	97	262688	6.642	PPBV		94
32) BENZENE	3.410	78	1063	0.019	PPBV		61
33) CARBON TETRACHLORIDE	3.458	117	519	0.013	PPBV		92
40) HEPTANE	3.928	57	336	0.019	PPBV	#	75
46) TOLUENE	4.494	91	5736	0.086	PPBV		97
50) TETRACHLOROETHENE	4.944	166	1309	0.044	PPBV		96
52) ETHYLBENZENE	5.385	91	961	0.012	PPBV		97
53) M/P-XYLENE	5.459	91	3635	0.053	PPBV		89
56) O-XYLENE	5.661	91	1079	0.016	PPBV		88
61) 1,2,4-TRIMETHYLBENZENE	6.474	105	1545	0.021	PPBV	#	68
75] CHLOROFORM (SIM)	2.919	83	26584	0.686	PPBV		100
78] CARBON TETRACHLORIDE (...	3.461	117	494	0.011	PPBV		98

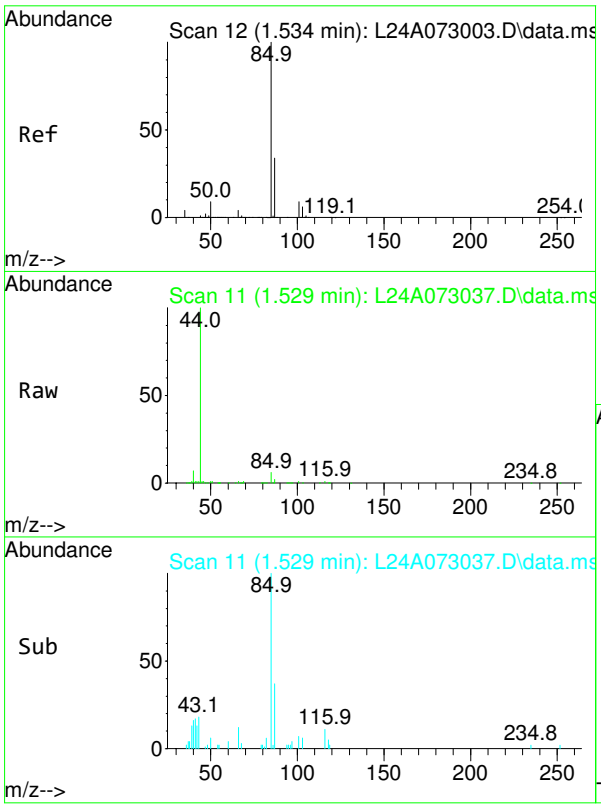
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073037.D Vial: 32
Acq On : 14 Mar 2024 04:27 am Operator: CMR
Sample : 24C0251-07 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:10 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073037.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



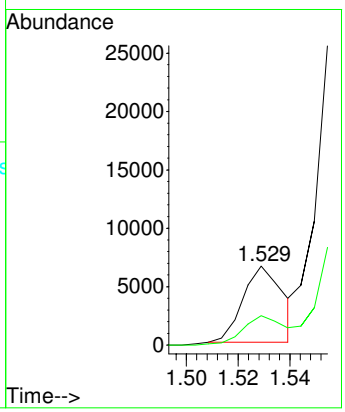


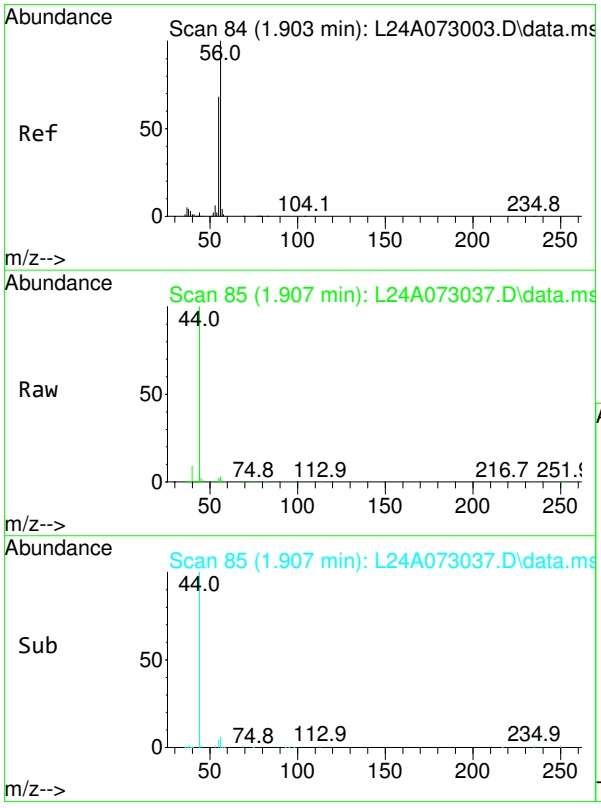


#3
DICHLORODIFLUOROMETHANE
Concen: 0.16 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 85 Resp: 6942

Ion	Ratio	Lower	Upper
85	100		
87	35.9	12.0	52.0

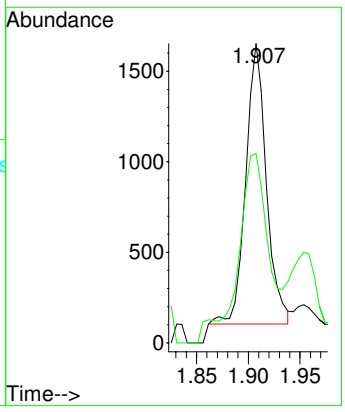


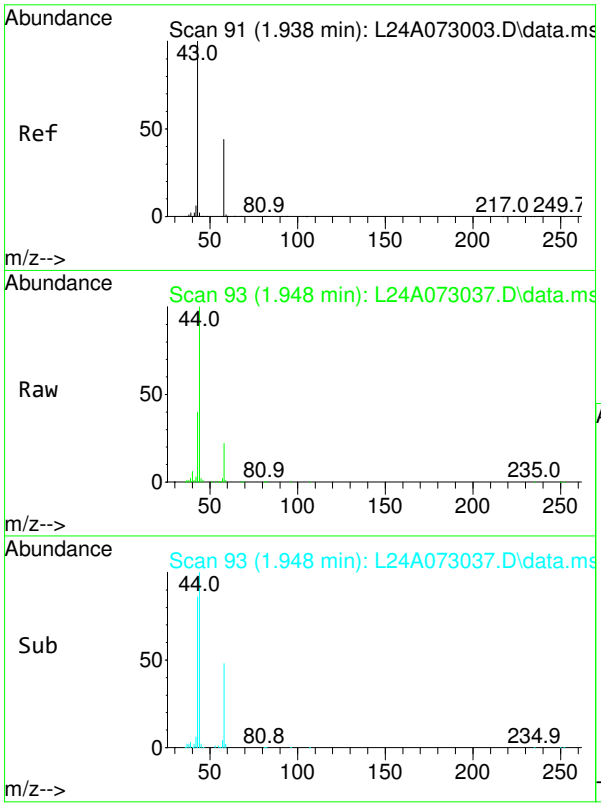


#10
ACROLEIN
Concen: 0.27 PPBV
RT: 1.907 min Scan# 85
Delta R.T. 0.004 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 56 Resp: 2150

Ion	Ratio	Lower	Upper
56	100		
55	71.8	51.4	91.4

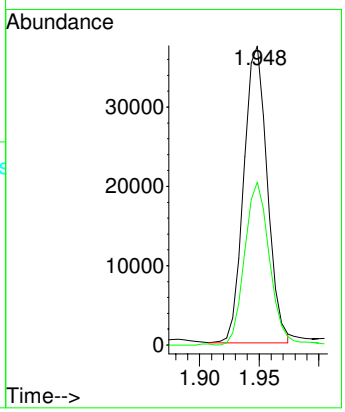


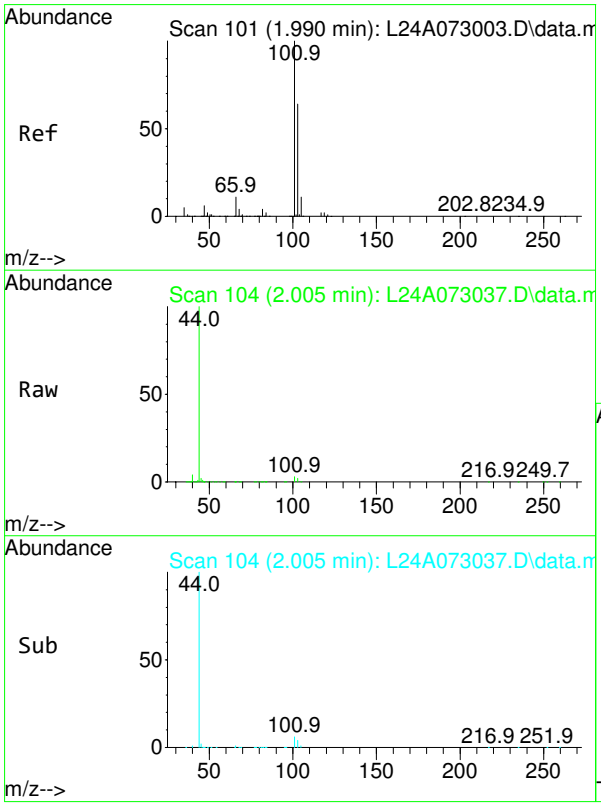


#11
ACETONE
Concen: 1.81 PPBV
RT: 1.948 min Scan# 93
Delta R.T. 0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 43 Resp: 50747

Ion	Ratio	Lower	Upper
43	100		
58	57.4	13.1	53.1#

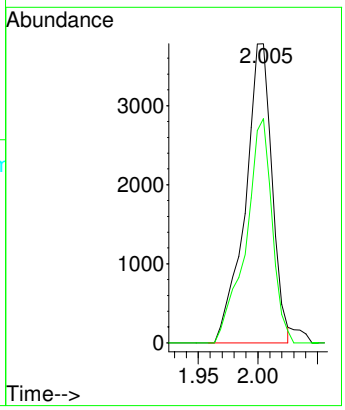


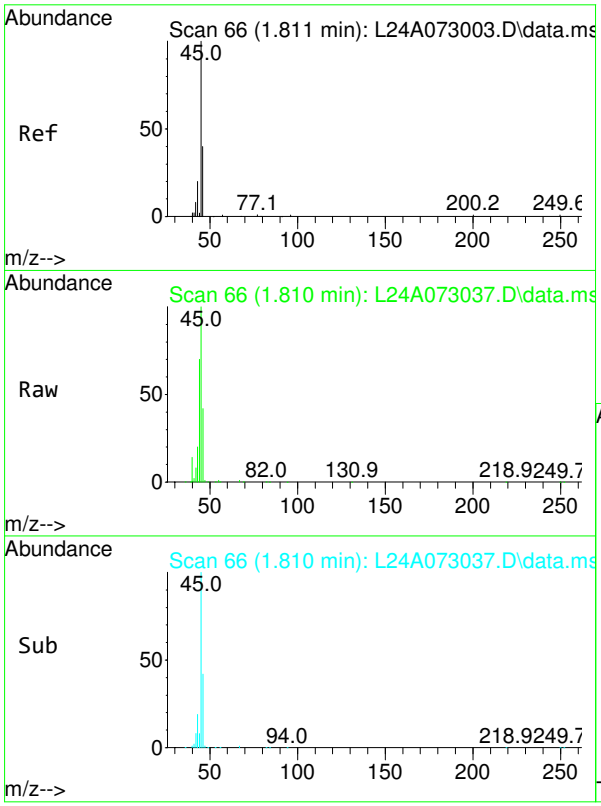


#12
TRICHLOROFLUOROMETHANE
Concen: 0.13 PPBV
RT: 2.005 min Scan# 104
Delta R.T. 0.018 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:101 Resp: 5912

Ion	Ratio	Lower	Upper
101	100		
103	73.1	44.7	84.7

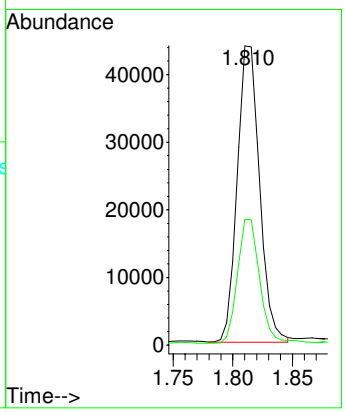


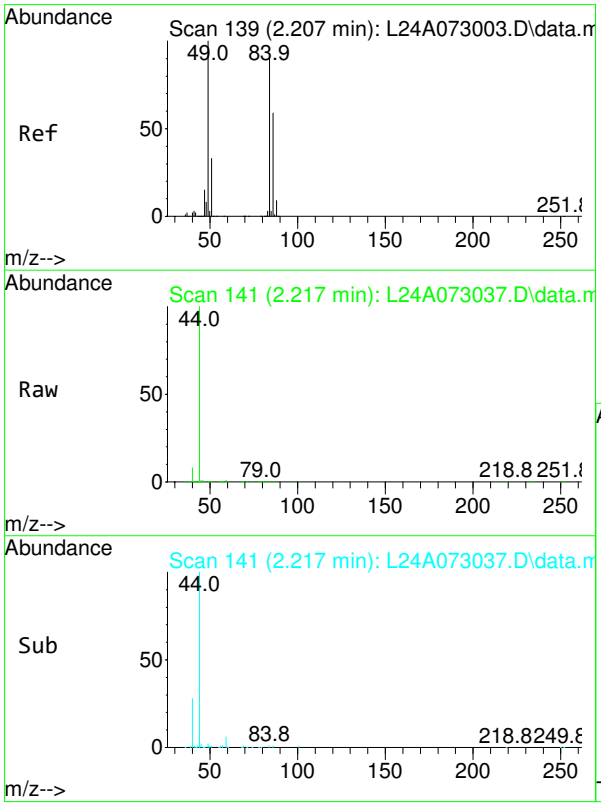


#13
ETHANOL
Concen: 13.04 PPBV
RT: 1.810 min Scan# 66
Delta R.T. 0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 45 Resp: 56530

Ion	Ratio	Lower	Upper
45	100		
46	41.1	20.5	60.5

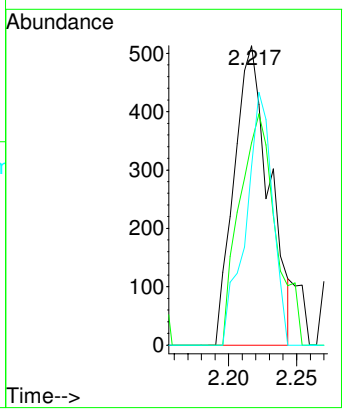


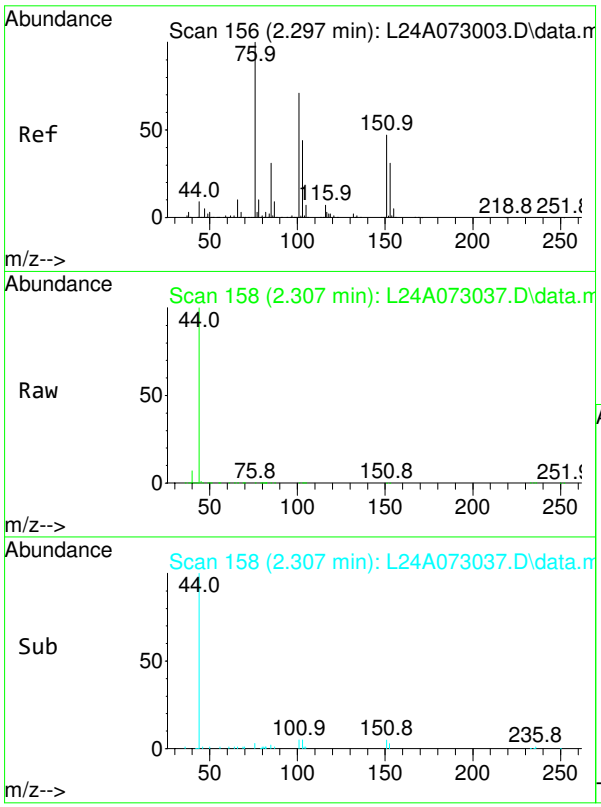


#15
METHYLENE CHLORIDE
Concen: 0.04 PPBV
RT: 2.217 min Scan# 141
Delta R.T. 0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 49 Resp: 924

Ion	Ratio	Lower	Upper
49	100		
84	75.9	52.0	92.0
86	64.1	27.3	67.3

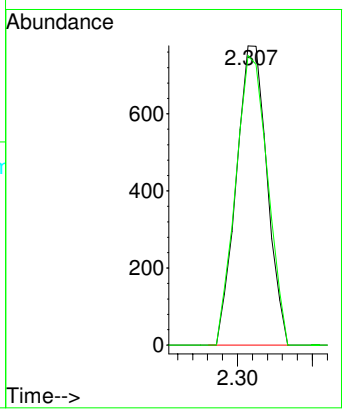


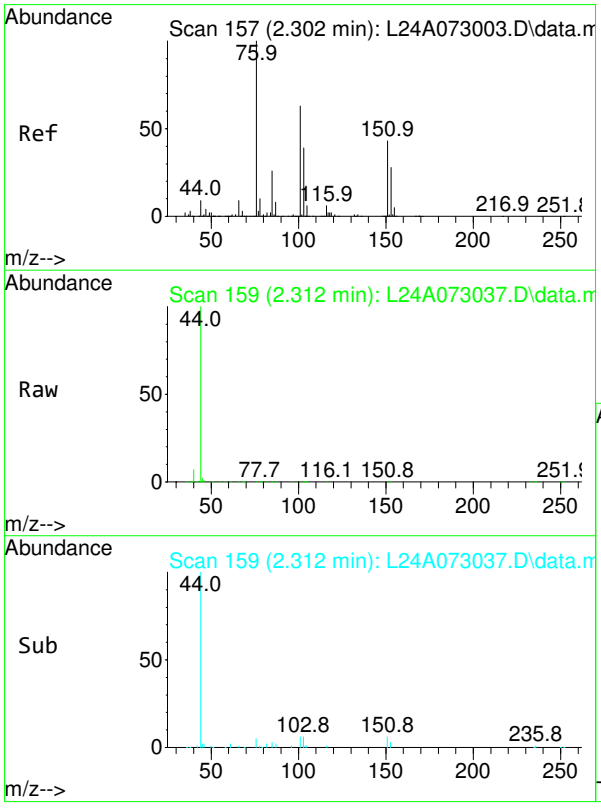


#16
FREON 113
Concen: 0.03 PPBV
RT: 2.307 min Scan# 158
Delta R.T. 0.006 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:101 Resp: 1106

Ion	Ratio	Lower	Upper
101	100		
151	100.5	52.3	92.3#

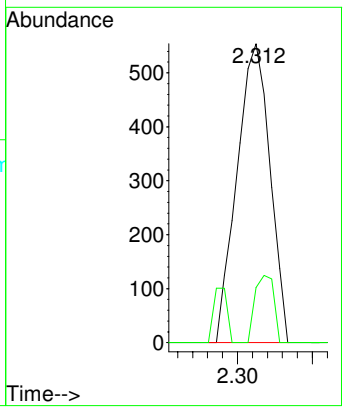


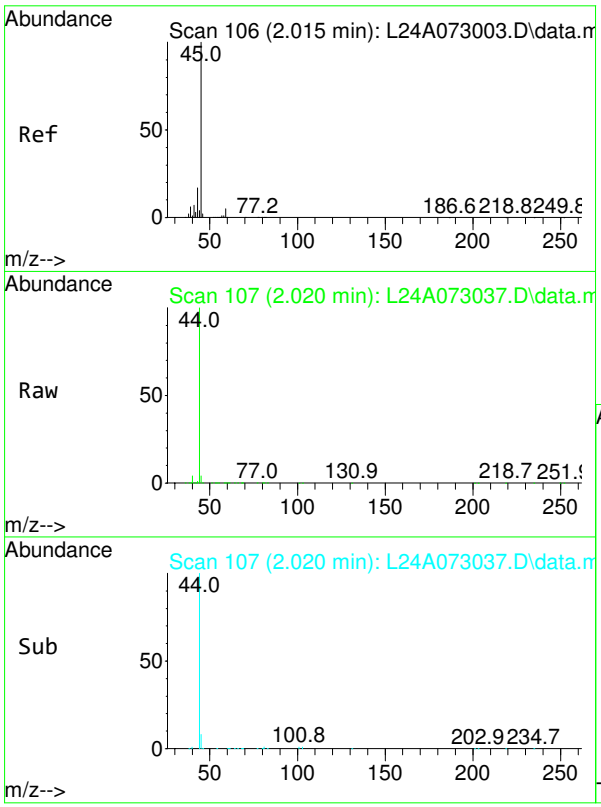


#17
CARBON DISULFIDE
Concen: 0.02 PPBV
RT: 2.312 min Scan# 159
Delta R.T. 0.011 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 76 Resp: 849

Ion	Ratio	Lower	Upper
76	100		
78	13.0	0.0	31.1

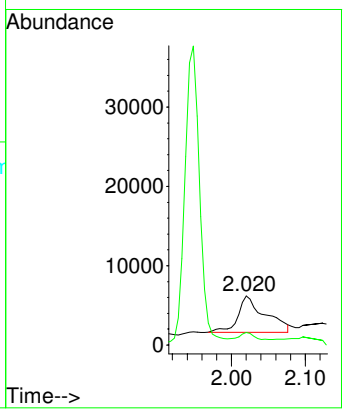


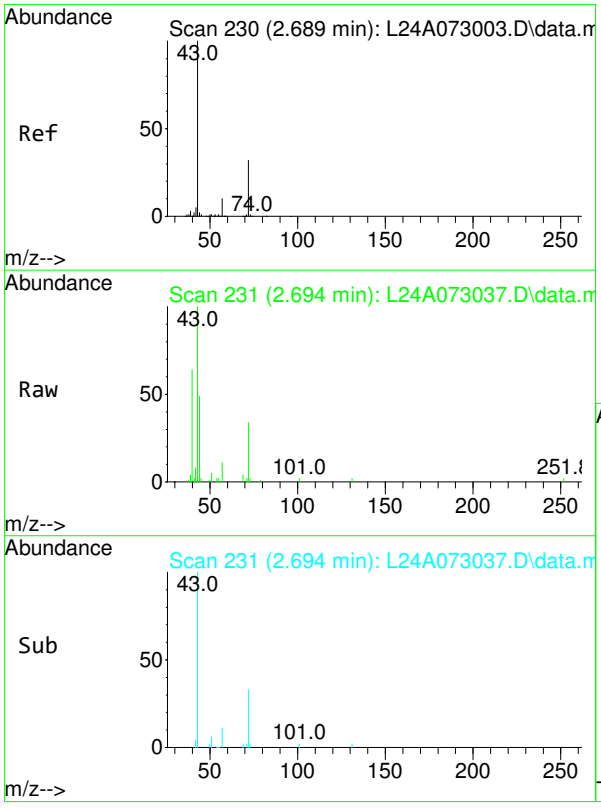


#21
IPA
Concen: 0.39 PPBV
RT: 2.020 min Scan# 107
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 45 Resp: 11561

Ion	Ratio	Lower	Upper
45	100		
43	9.7	0.0	39.3

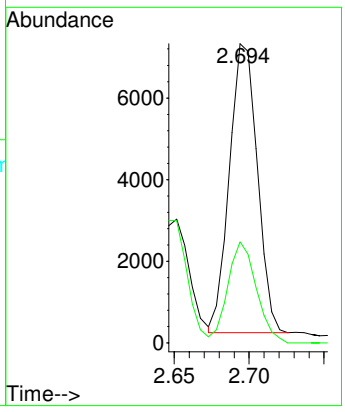


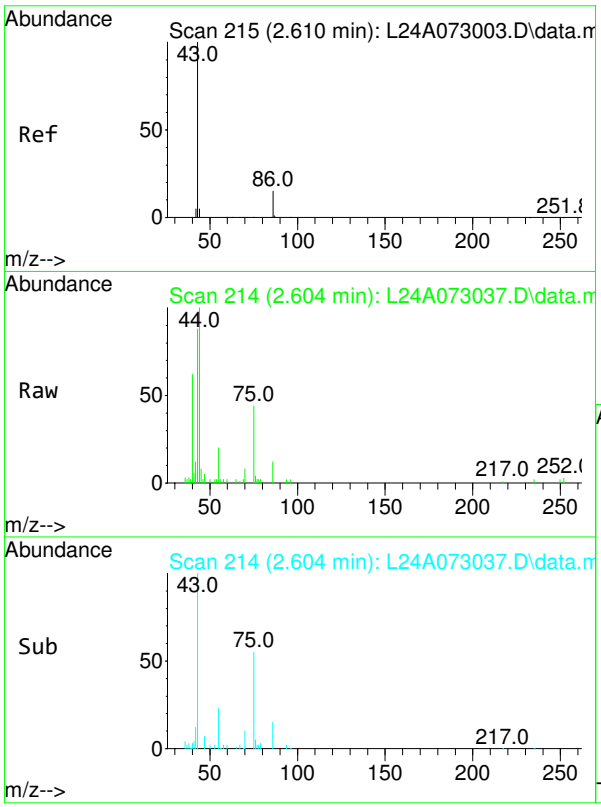


#22
2-BUTANONE(MEK)
Concen: 0.27 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 43 Resp: 9172

Ion	Ratio	Lower	Upper
43	100		
72	35.7	5.6	45.6

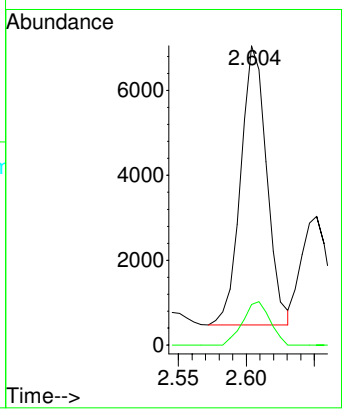


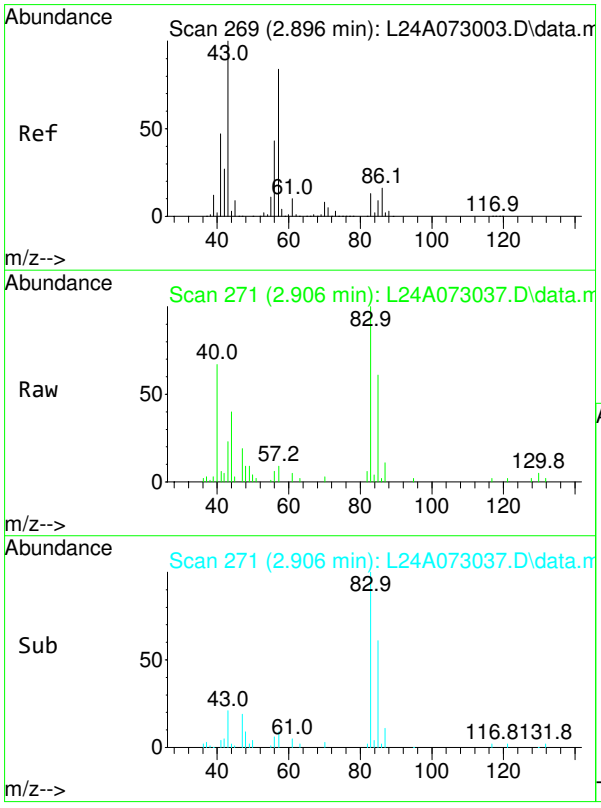


#24
VINYL ACETATE
Concen: 0.24 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 43 Resp: 8750

Ion	Ratio	Lower	Upper
43	100		
86	16.4	0.0	19.5

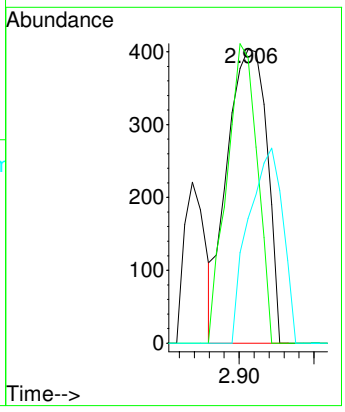


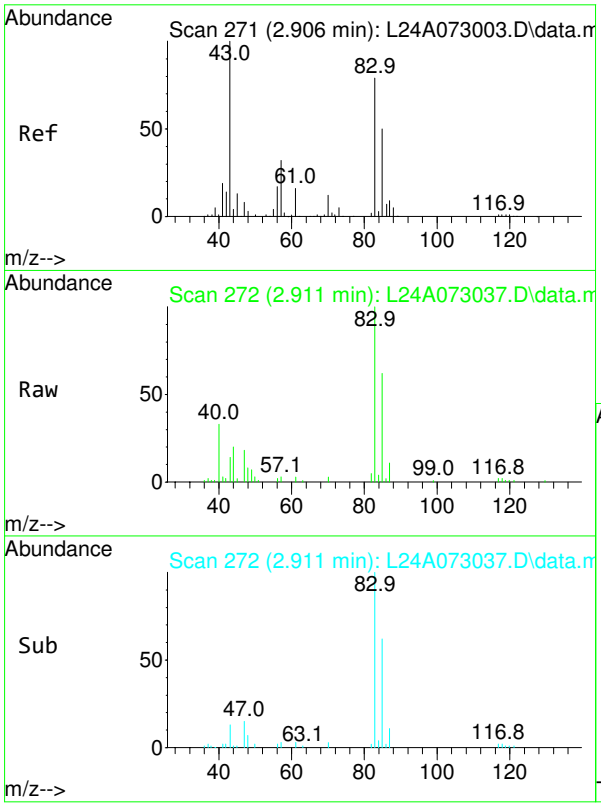


#25
HEXANE
Concen: 0.04 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 41 Resp: 747

Ion	Ratio	Lower	Upper
41	100		
56	77.8	52.3	92.3
86	56.9	16.1	36.1#

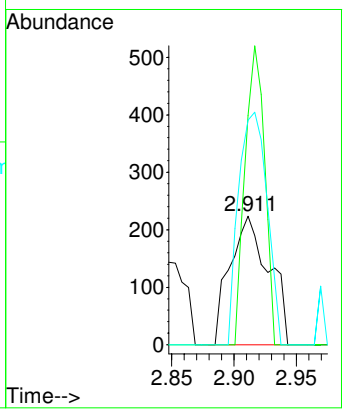


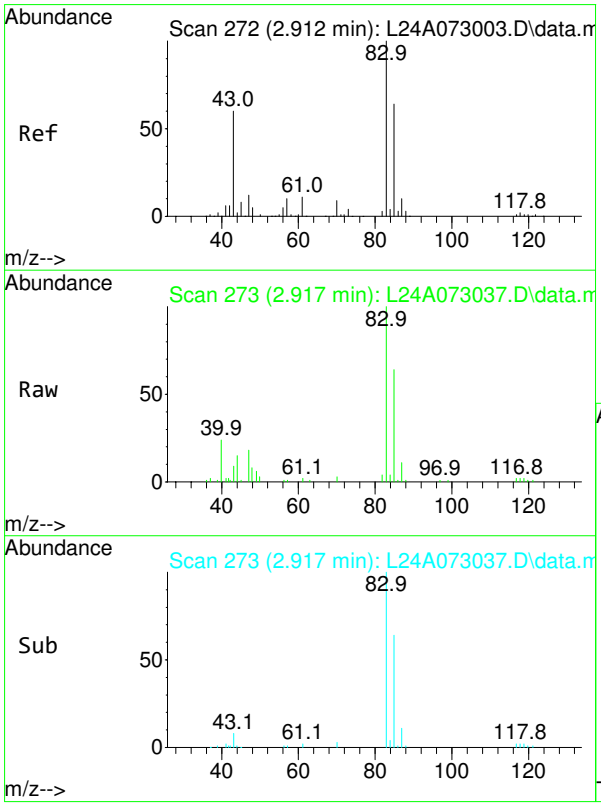


#26
ETHYL ACETATE
Concen: 0.08 PPBV
RT: 2.911 min Scan# 272
Delta R.T. 0.007 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 45 Resp: 487

Ion	Ratio	Lower	Upper
45	100		
70	116.6	68.8	108.8#
61	132.6	83.3	123.3#

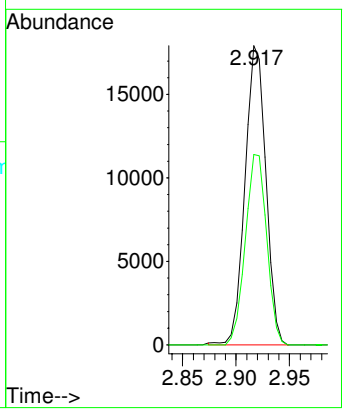


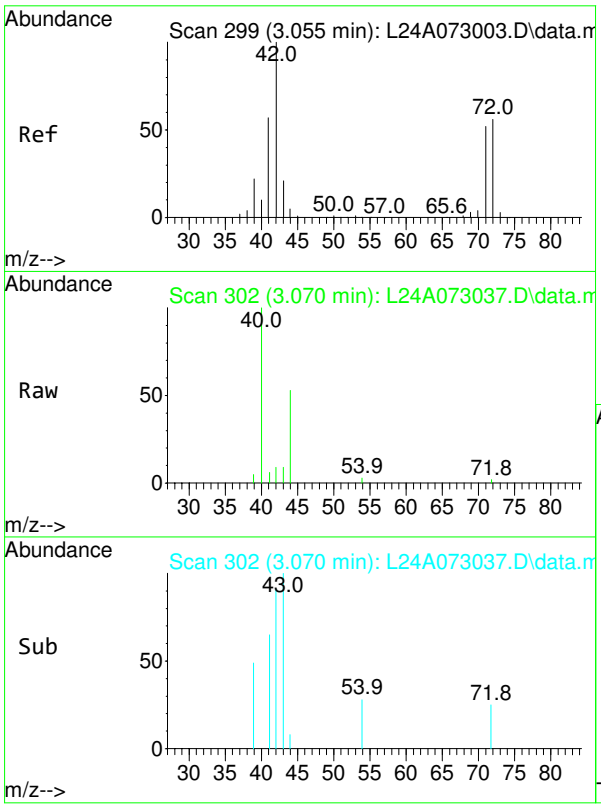


#27
CHLOROFORM
Concen: 0.67 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 83 Resp: 24316

Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.8	84.8

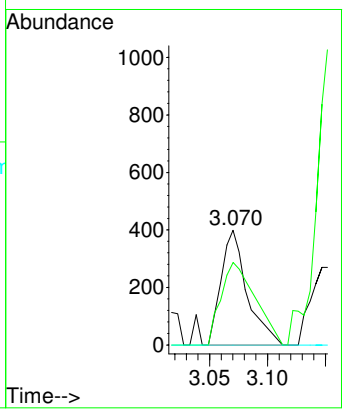


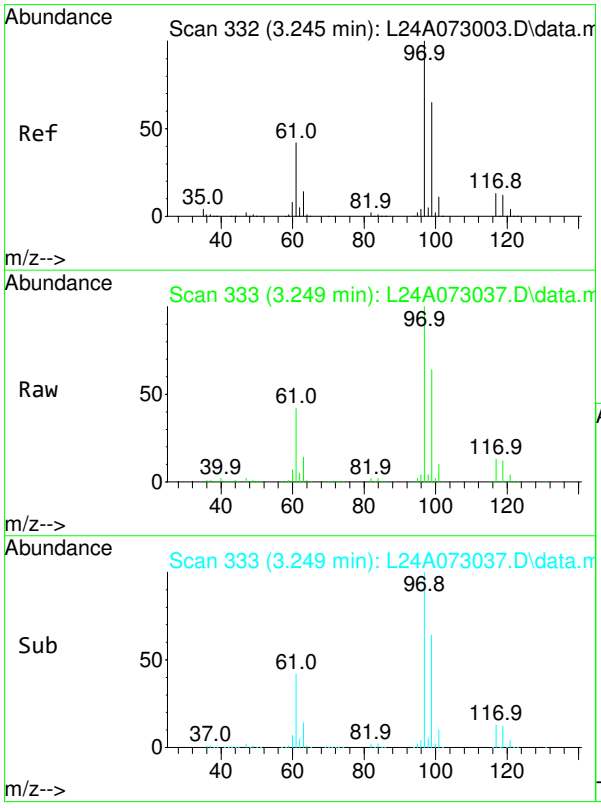


#28
TETRAHYDROFURAN
Concen: 0.03 PPBV
RT: 3.070 min Scan# 302
Delta R.T. 0.019 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 42 Resp: 780

Ion	Ratio	Lower	Upper
42	100		
41	83.7	33.5	73.5#
71	0.0	24.0	64.0#

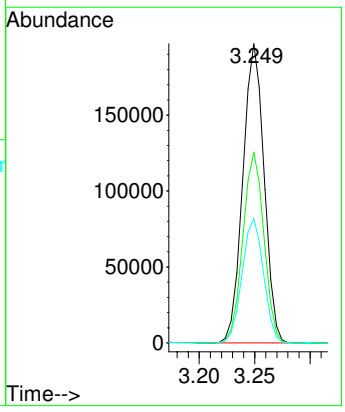


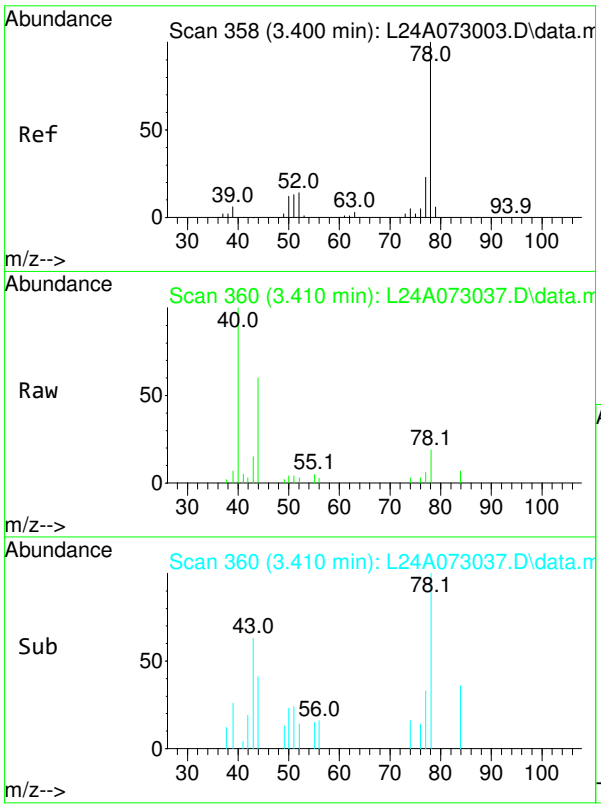


#31
1,1,1-TRICHLOROETHANE
Concen: 6.64 PPBV
RT: 3.249 min Scan# 333
Delta R.T. 0.004 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 97 Resp: 262688

Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.3	85.3
61	41.7	28.1	68.1

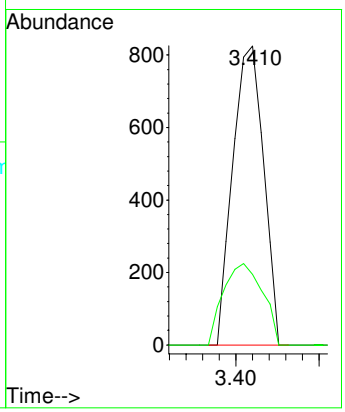


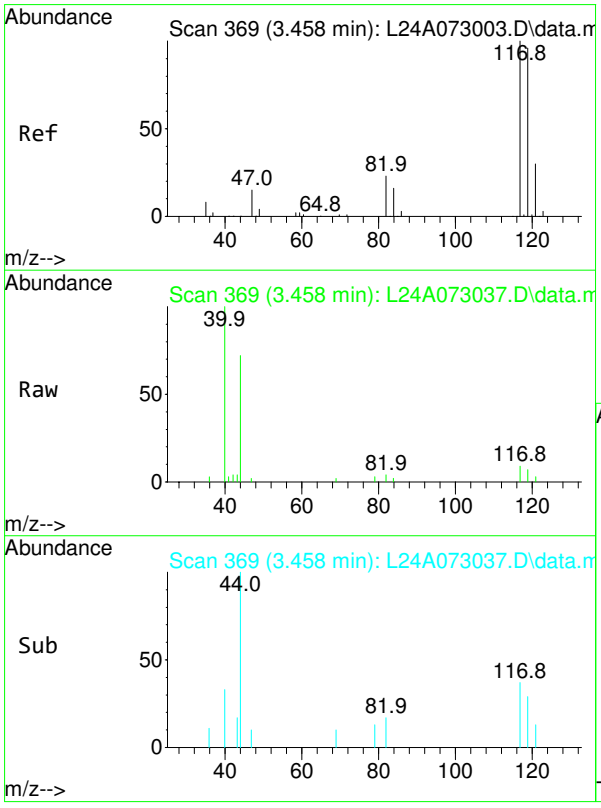


#32
BENZENE
Concen: 0.02 PPBV
RT: 3.410 min Scan# 360
Delta R.T. 0.006 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 78 Resp: 1063

Ion	Ratio	Lower	Upper
78	100		
51	34.9	0.0	37.7

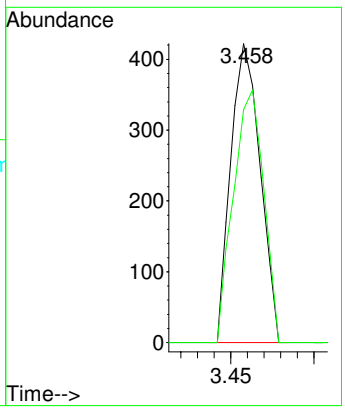


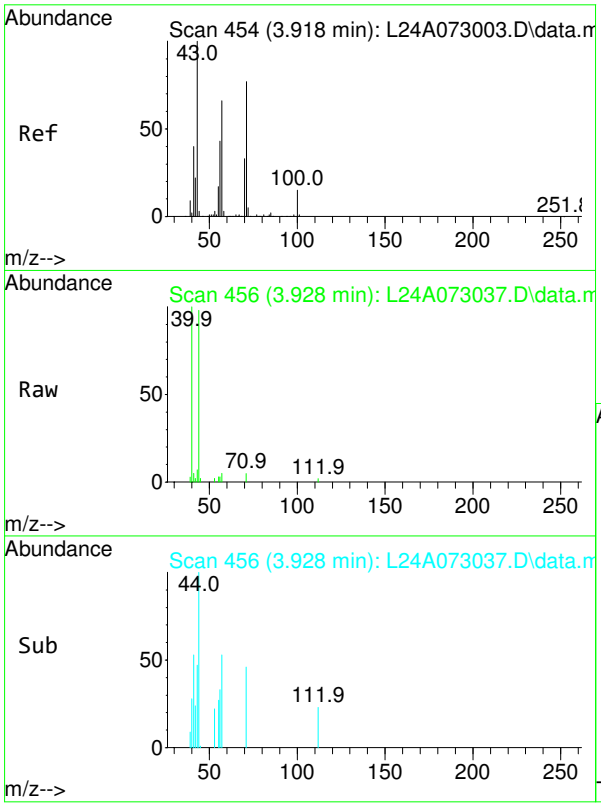


#33
CARBON TETRACHLORIDE
Concen: 0.01 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:117 Resp: 519

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.3	115.3

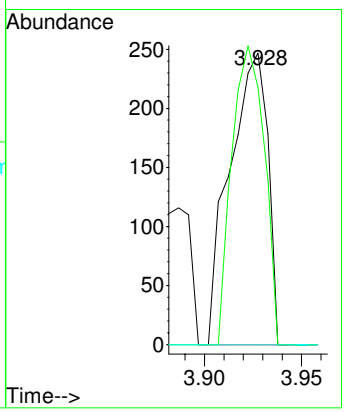


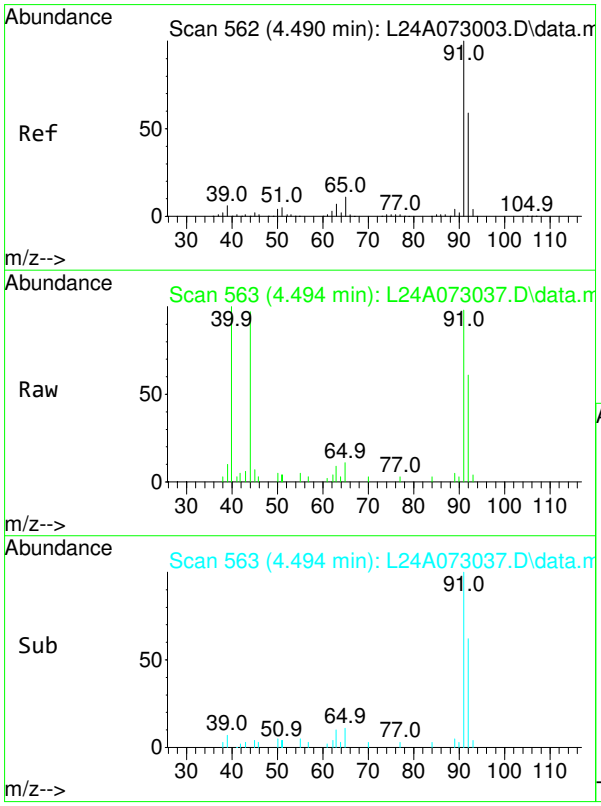


#40
HEPTANE
Concen: 0.02 PPBV
RT: 3.928 min Scan# 456
Delta R.T. 0.004 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 57 Resp: 336

Ion	Ratio	Lower	Upper
57	100		
71	87.2	87.9	127.9#
100	0.0	4.4	44.4#

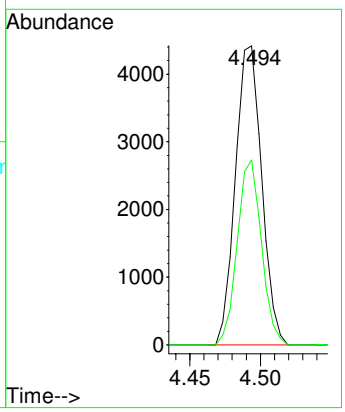


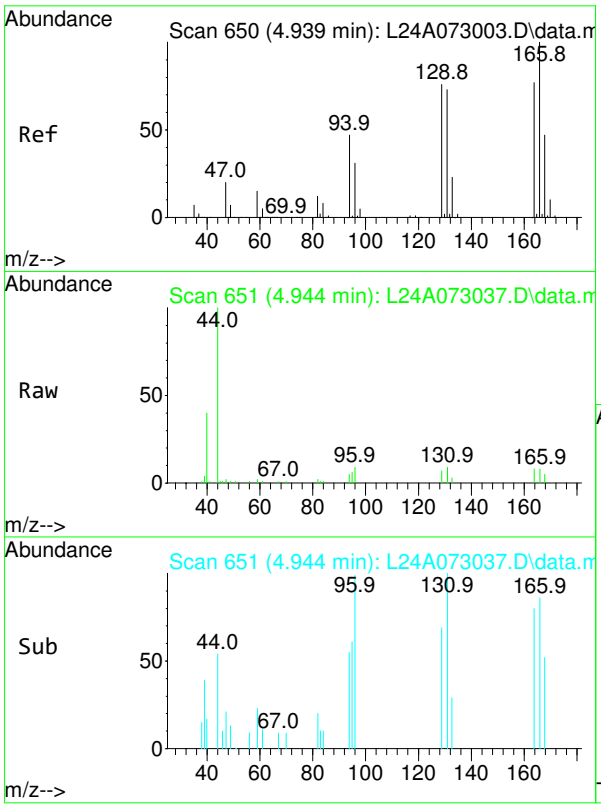


#46
TOLUENE
Concen: 0.09 PPBV
RT: 4.494 min Scan# 563
Delta R.T. -0.000 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 5736

Ion	Ratio	Lower	Upper
91	100		
92	56.8	39.1	79.1

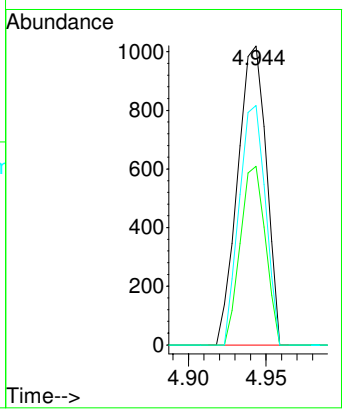


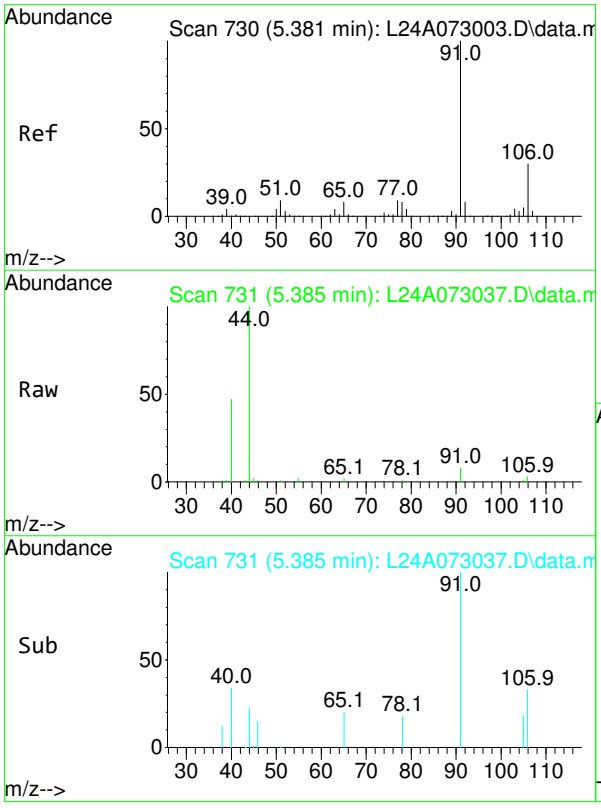


#50
TETRACHLOROETHENE
Concen: 0.04 PPBV
RT: 4.944 min Scan# 651
Delta R.T. -0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:166 Resp: 1309

Ion	Ratio	Lower	Upper
166	100		
168	52.3	28.8	68.8
129	73.3	56.6	96.6

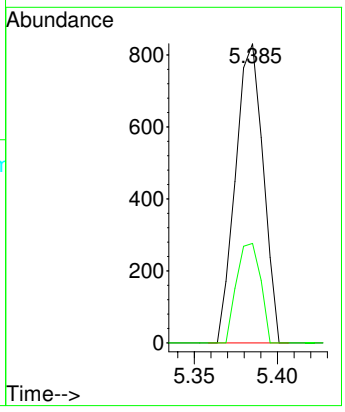


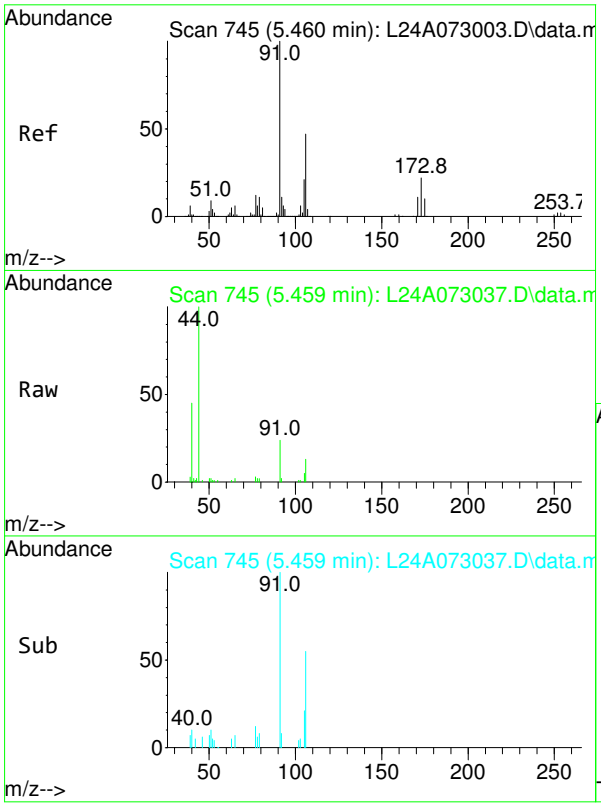


#52
ETHYLBENZENE
Concen: 0.01 PPBV
RT: 5.385 min Scan# 731
Delta R.T. -0.002 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 961

Ion	Ratio	Lower	Upper
91	100		
106	28.7	10.1	50.1

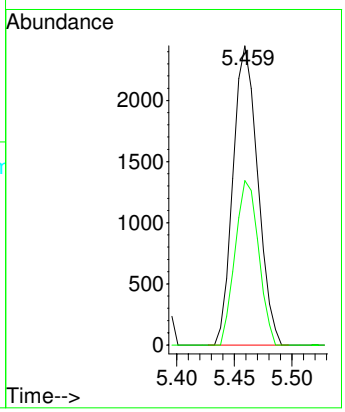


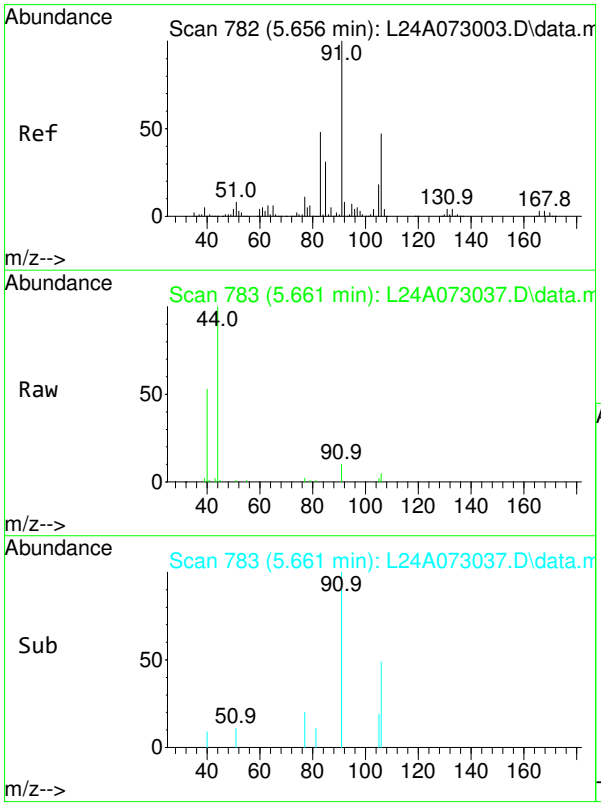


#53
M/P-XYLENE
Concen: 0.05 PPBV
RT: 5.459 min Scan# 745
Delta R.T. -0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 3635

Ion	Ratio	Lower	Upper
91	100		
106	52.0	24.9	64.9

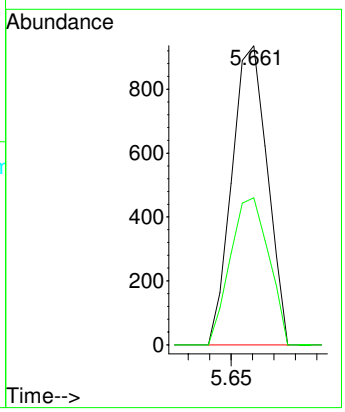


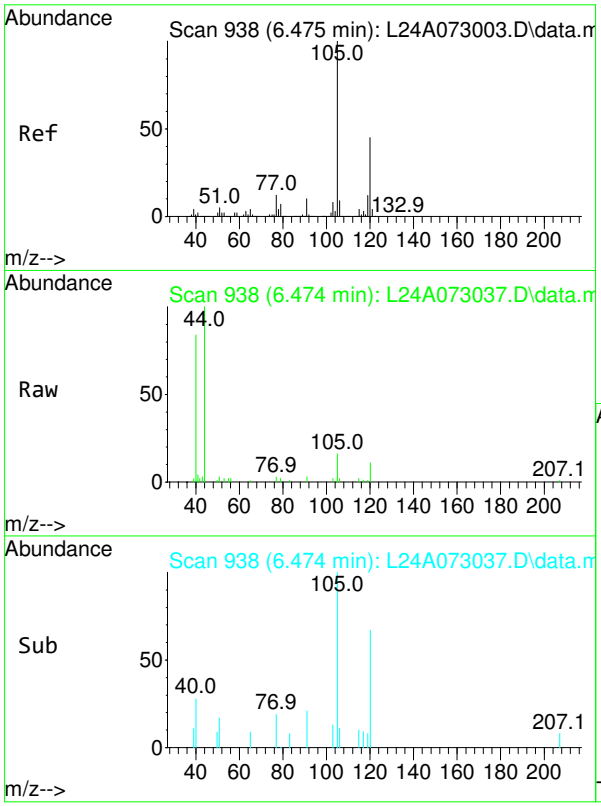


#56
O-XYLENE
Concen: 0.02 PPBV
RT: 5.661 min Scan# 783
Delta R.T. -0.003 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 91 Resp: 1079

Ion	Ratio	Lower	Upper
91	100		
106	53.5	25.4	65.4

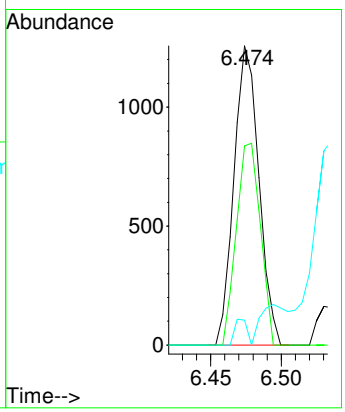


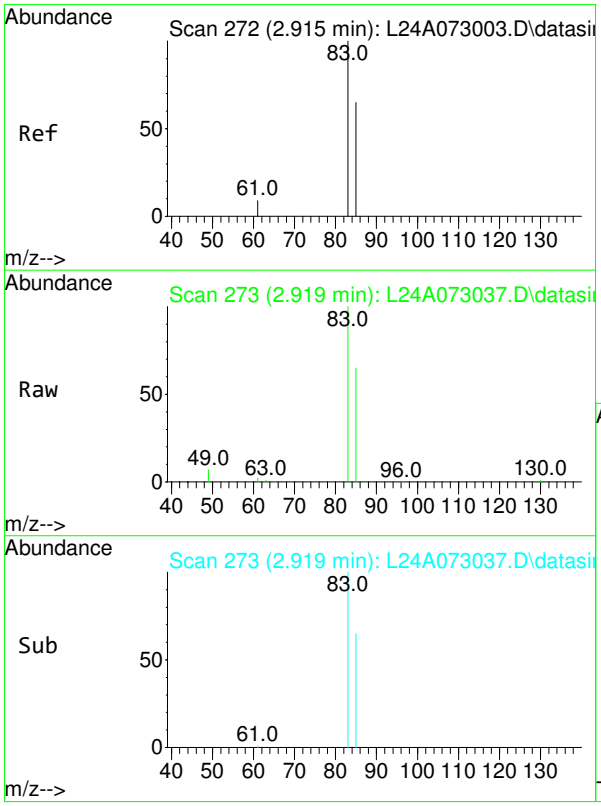


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.474 min Scan# 938
Delta R.T. -0.009 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:105 Resp: 1545

Ion	Ratio	Lower	Upper
105	100		
120	64.9	24.0	64.0#
207	17.5	0.0	20.0

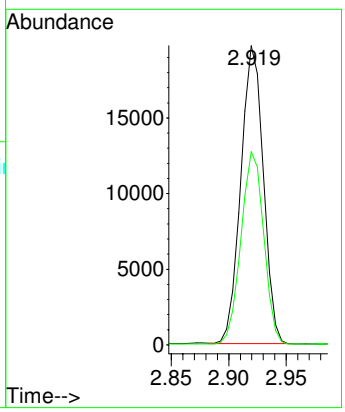


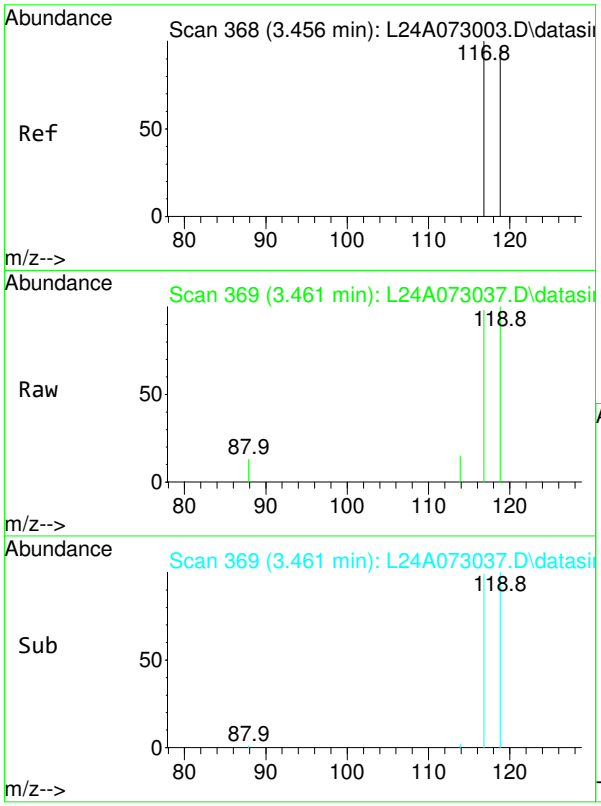


#75
CHLOROFORM (SIM)
Concen: 0.69 PPBV
RT: 2.919 min Scan# 273
Delta R.T. 0.001 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion: 83 Resp: 26584

Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.0	85.0

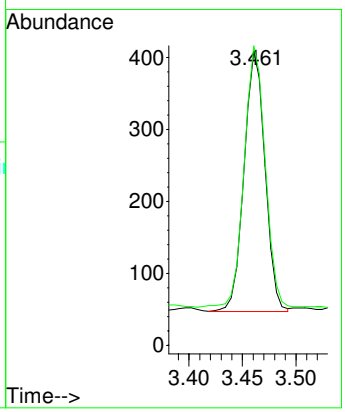




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.01 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073037.D
Acq: 14 Mar 2024 04:27 am

Tgt Ion:117 Resp: 494

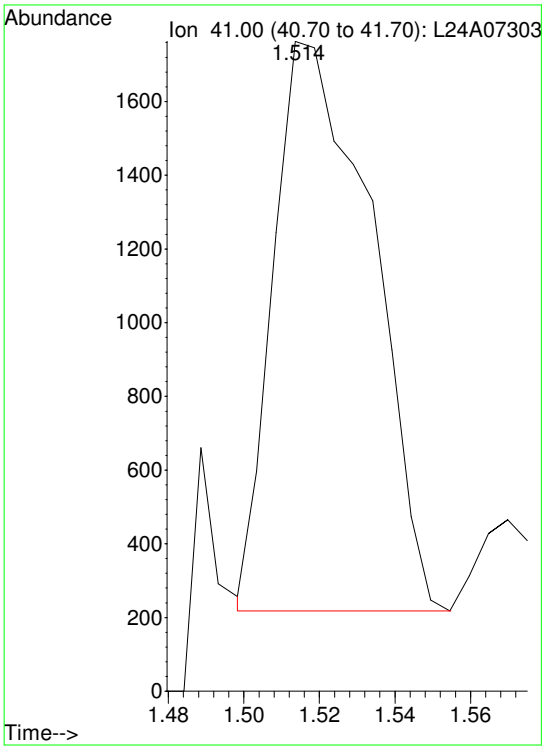
Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

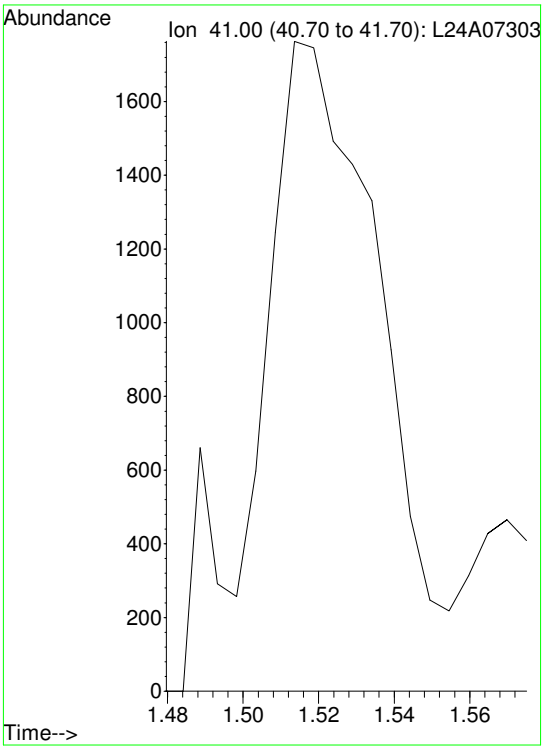
RT : 1.51
Area : 2783
Amount: 0.272818

Manual Int. Results

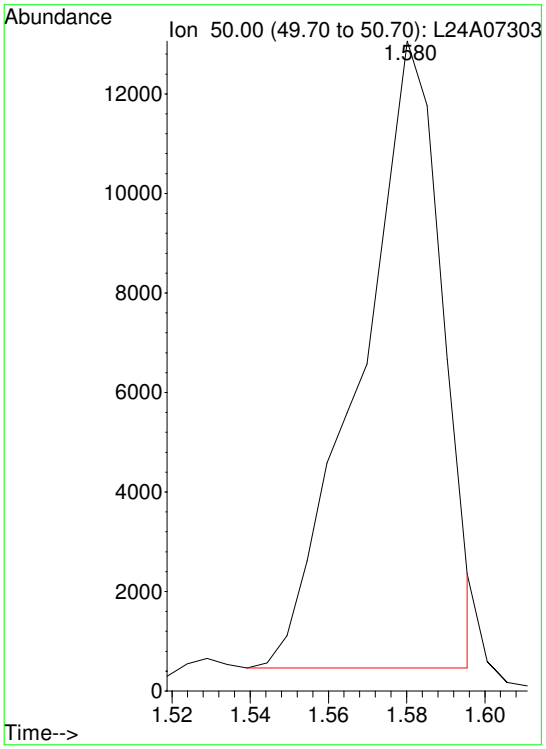
Fri Mar 15 11:23:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

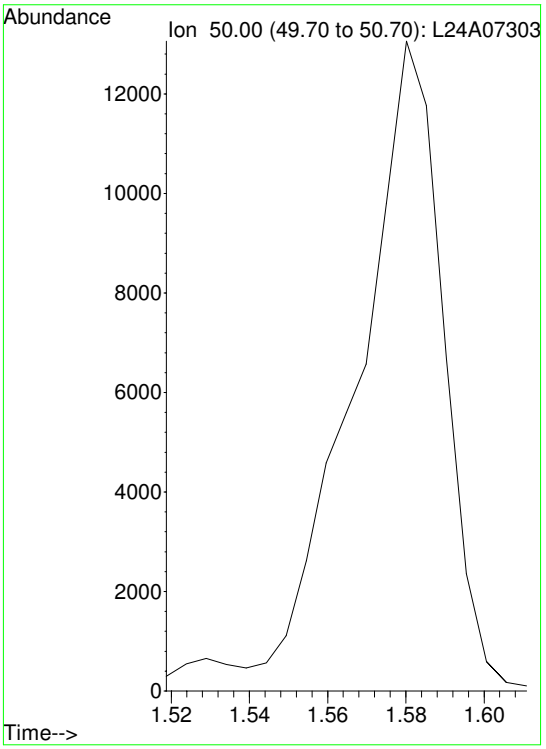
RT : 1.58
Area : 18292
Amount: 1.19768

Manual Int. Results

Fri Mar 15 11:23:56 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

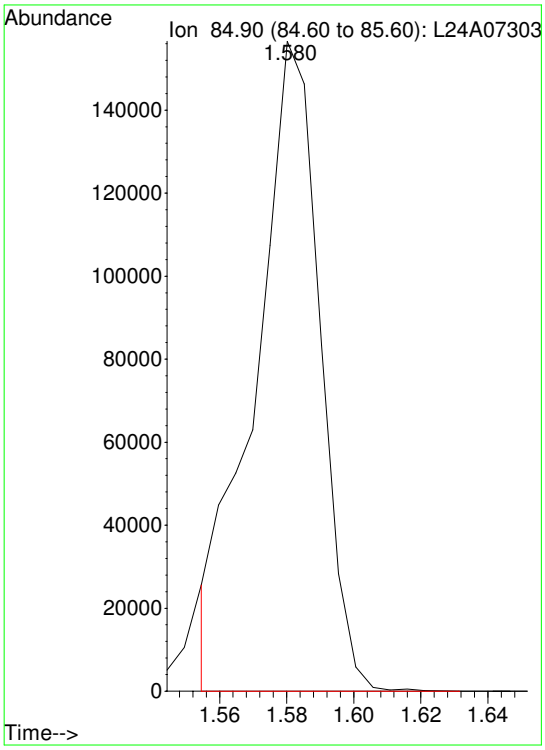
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

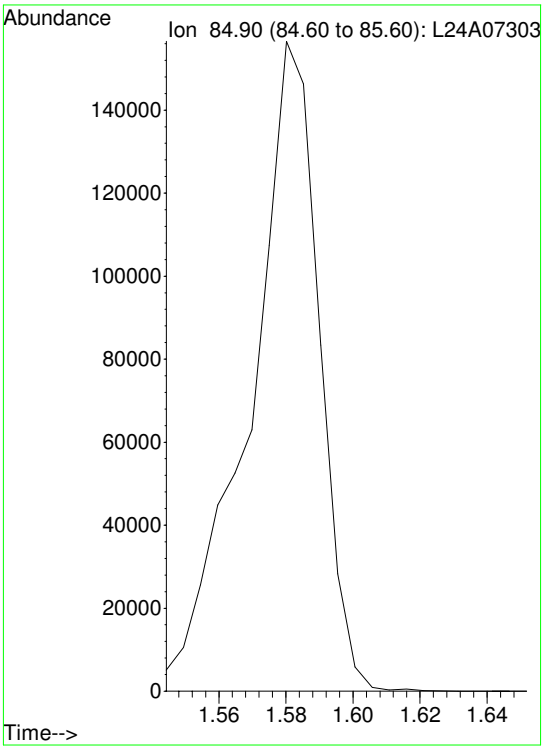
RT : 1.58
Area : 211949
Amount: 4.74441

Manual Int. Results

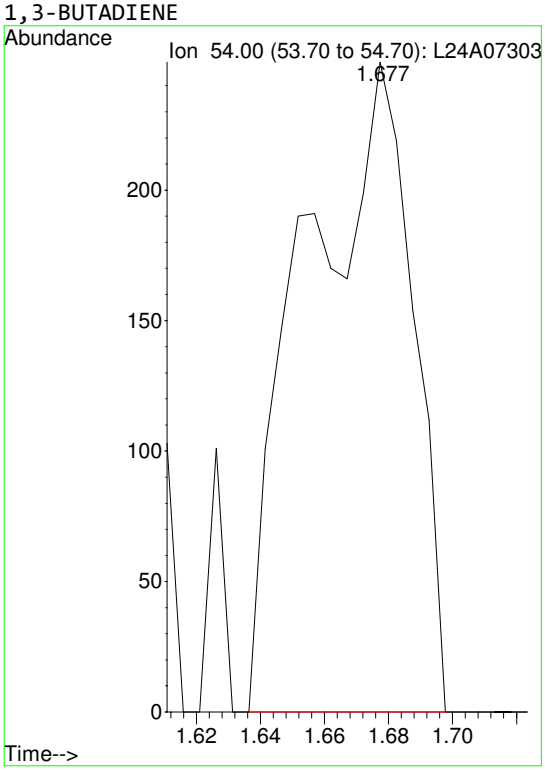
Fri Mar 15 11:24:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

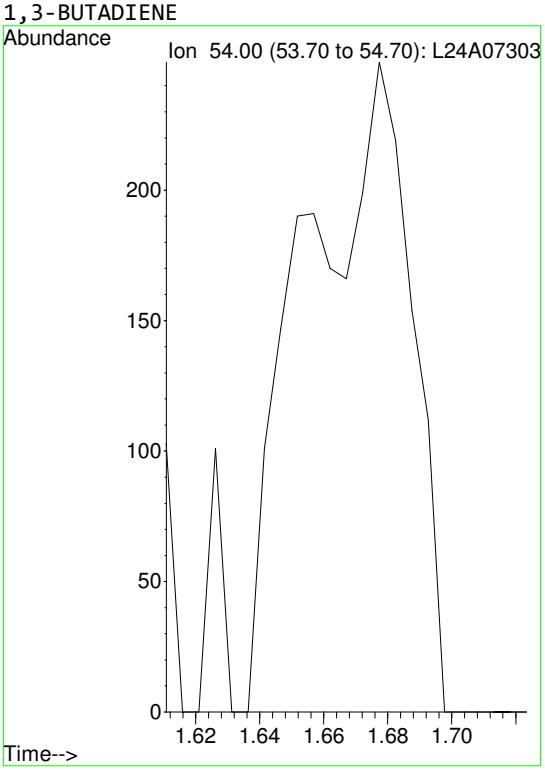
RT : 1.68
Area : 582
Amount: 0.0421859

Manual Int. Results

Fri Mar 15 11:24:04 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

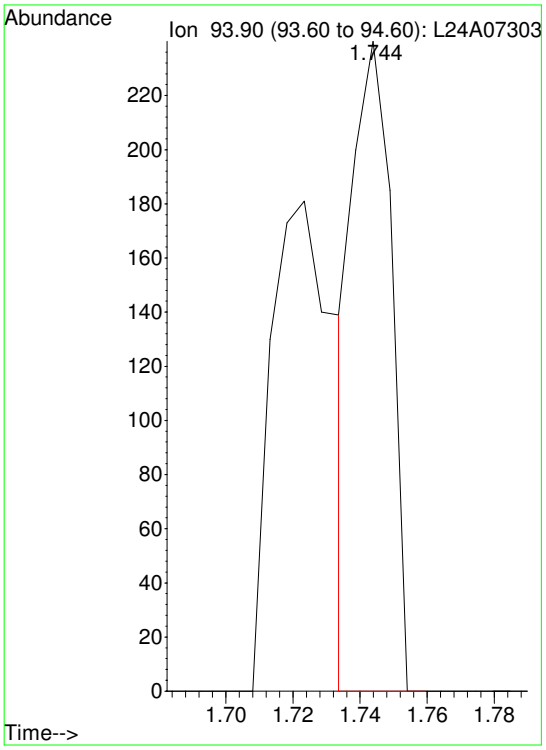
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

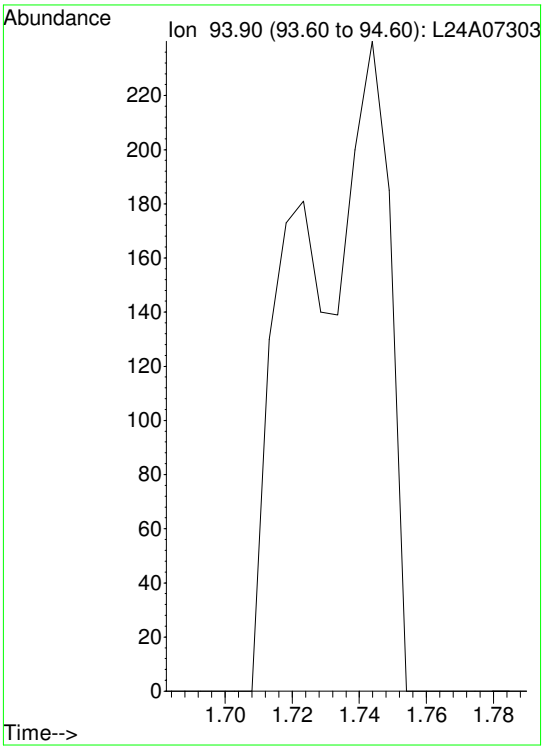
RT : 1.74
Area : 192
Amount: 0.0121584

Manual Int. Results

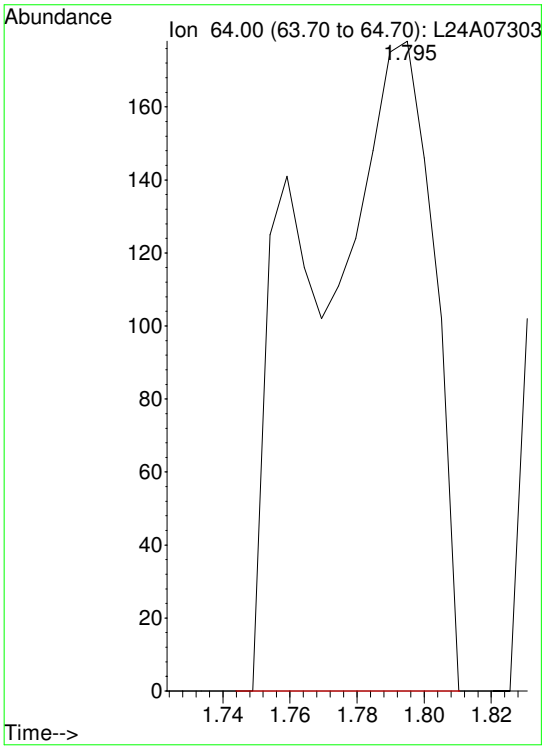
Fri Mar 15 11:24:08 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

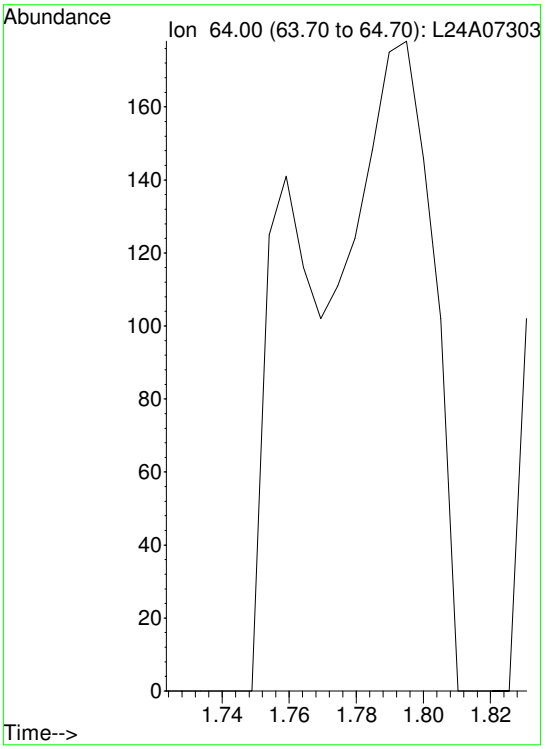
RT : 1.79
Area : 450
Amount: 0.0436607

Manual Int. Results

Fri Mar 15 11:24:11 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

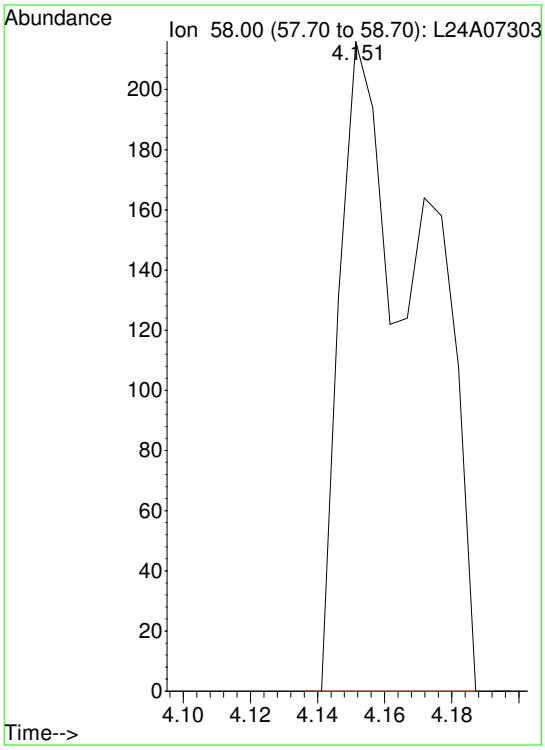
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

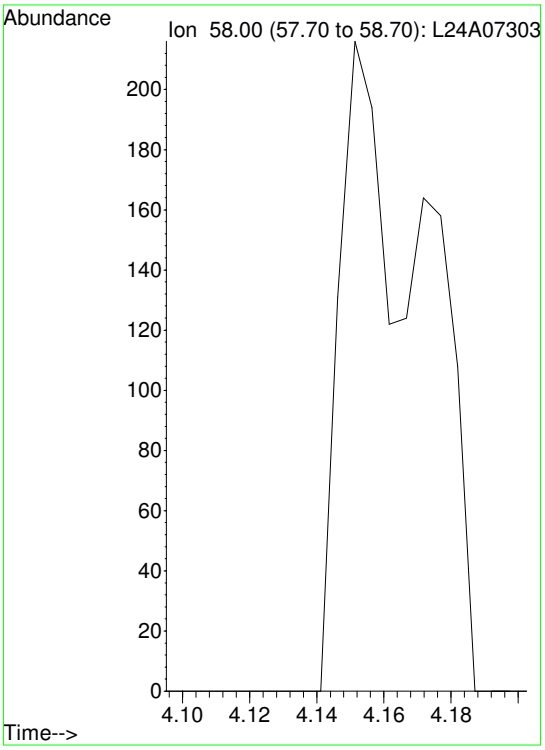
RT : 4.15
Area : 373
Amount: 0.0198275

Manual Int. Results

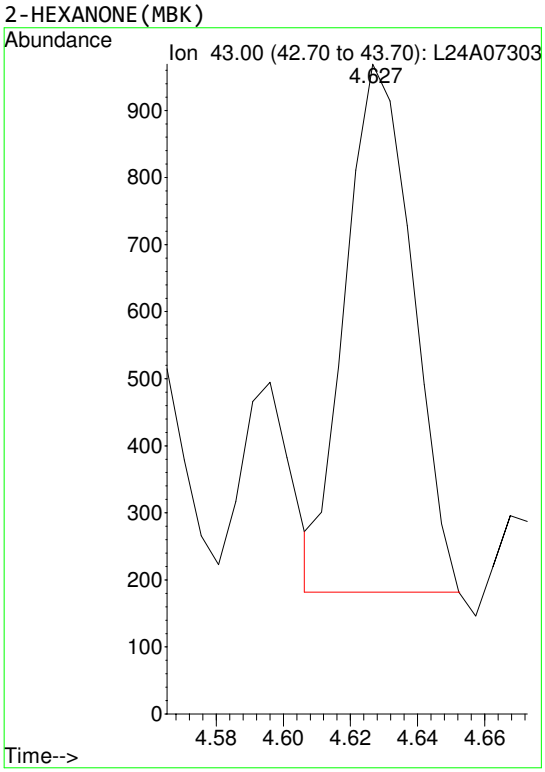
Fri Mar 15 11:24:29 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

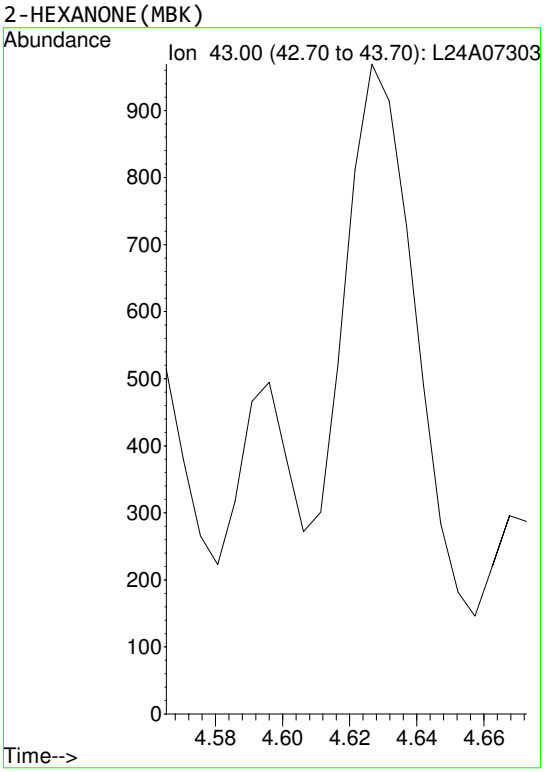
RT : 4.63
Area : 1091
Amount: 0.0257404

Manual Int. Results

Fri Mar 15 11:24:37 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

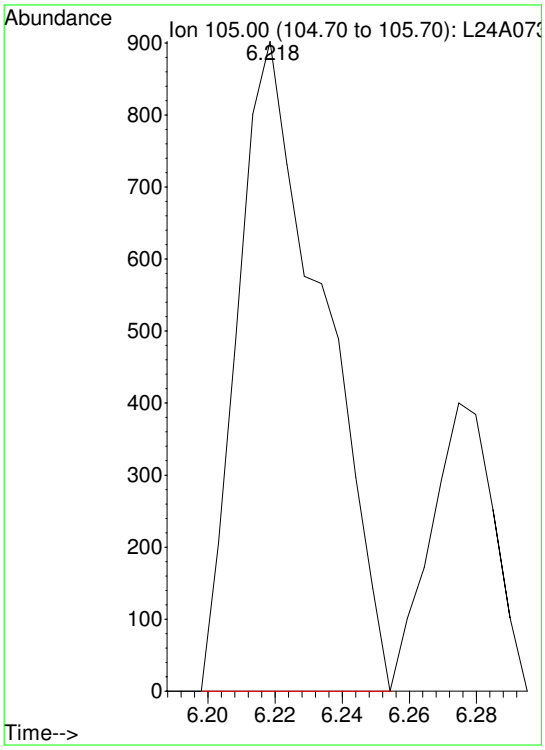
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073037.D
Acq On : 14 Mar 2024 04:27 am
Operator : CMR
Sample : 24C0251-07 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:24:42 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
4-ETHYLTOLUENE



Original Int. Results

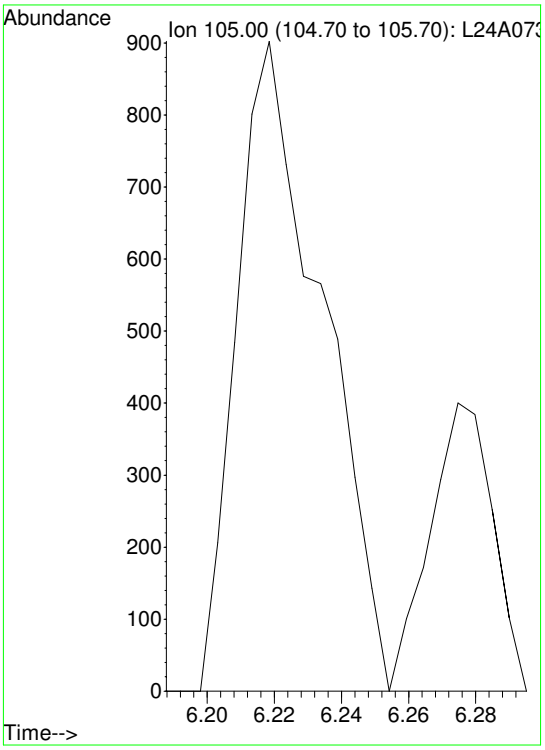
RT : 6.22
Area : 1593
Amount: 0.0180645

Manual Int. Results

Fri Mar 15 11:24:41 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-08	File ID:	L24A073032.D
Sampled:	02/28/24 20:51	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:56
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	10	0.71	1.4	
71-43-2	Benzene	0.43	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	1.6	0.68	1.4	
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.20	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.20	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane	0.033	0.032	0.035	J
67-66-3	Chloroform	0.28	0.017	0.035	
67-66-3	Chloroform (SIM)	0.28	0.0018	0.0070	
74-87-3	Chloromethane	0.67	0.047	0.070	
110-82-7	Cyclohexane	0.081	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	0.097	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	1.5	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.014	0.013	0.035	J
107-62-2	1,2-Dichloroethane (SIM)	0.017	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-08	File ID:	L24A073032.D
Sampled:	02/28/24 20:51	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:56
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.017	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	860	0.92	1.4	E
141-78-6	Ethyl Acetate	1.2	0.14	0.35	
100-41-4	Ethylbenzene	0.12	0.012	0.035	
622-96-8	4-Ethyltoluene	0.027	0.015	0.035	J
142-82-5	Heptane	0.25	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)	0.12	0.015	0.035	
67-63-0	Isopropanol	2.3	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.31	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.050	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.096	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene	0.048	0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-IA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-08	File ID:	L24A073032.D
Sampled:	02/28/24 20:51	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 01:56
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran	0.39	0.13	0.35	
108-88-3	Toluene	0.68	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane	0.032	0.011	0.035	J
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.24	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.15	0.0095	0.14	
95-63-6	1,2,4-Trimethylbenzene	0.18	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.051	0.027	0.035	
108-05-4	Vinyl Acetate	2.8	0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.31	0.024	0.070	
95-47-6	o-Xylene	0.15	0.013	0.035	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073032.D Vial: 28
Acq On : 14 Mar 2024 01:56 am Operator: CMR
Sample : 24C0251-08 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:00 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073032.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.864	49	206000	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	626319	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	568987	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227833	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.536	114	668036	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	627320	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.853	174	291242	7.437	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.00%				
87) 4-BROMOFLUOROBENZENE (...	5.856	174	312540	7.782	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 97.25%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.519	85	96209	2.113	PPBV		99
4) CHLOROMETHANE	1.570	50	15049	0.958	PPBV		94
5) FREON 114	1.601	85	1092	0.024	PPBV		88
8) BROMOMETHANE	1.729	94	490	0.030	PPBV	#	78
9) CHLOROETHANE	1.775	64	506	0.048	PPBV		79
10) ACROLEIN	1.898	56	18639	2.280	PPBV		89
11) ACETONE	1.933	43	418752	14.491	PPBV	#	64
12) TRICHLOROFLUOROMETHANE	1.984	101	16447	0.352	PPBV		97
13) ETHANOL	1.805	45	5509723	1235.096	PPBV		95
15) METHYLENE CHLORIDE	2.206	49	9928	0.442	PPBV	#	73
16) FREON 113	2.296	101	7893	0.213	PPBV		94
17) CARBON DISULFIDE	2.296	76	4450	0.084	PPBV		91
21) IPA	2.005	45	100072	3.292	PPBV		99
22) 2-BUTANONE(MEK)	2.684	43	82386	2.316	PPBV		87
24) VINYL ACETATE	2.599	43	154005	4.087	PPBV		73
25) HEXANE	2.896	41	8583	0.448	PPBV		87
26) ETHYL ACETATE	2.901	45	10457	1.699	PPBV		95
27) CHLOROFORM	2.911	83	15061	0.406	PPBV		98
28) TETRAHYDROFURAN	3.065	42	13220	0.563	PPBV	#	29
29) 1,2-DICHLOROETHANE	3.153	62	505	0.020	PPBV	#	90
31) 1,1,1-TRICHLOROETHANE	3.245	97	1837	0.046	PPBV		88
32) BENZENE	3.401	78	35045	0.617	PPBV		90
33) CARBON TETRACHLORIDE	3.454	117	11738	0.293	PPBV		97
34) CYCLOHEXANE	3.501	84	2752	0.116	PPBV		80
39) METHYLMETHACRYLATE	3.878	69	974	0.049	PPBV		86
40) HEPTANE	3.919	57	6471	0.361	PPBV	#	80
46) TOLUENE	4.490	91	65207	0.977	PPBV		98
47) 2-HEXANONE(MBK)	4.618	43	7516	0.176	PPBV	#	72
50) TETRACHLOROETHENE	4.940	166	2036	0.069	PPBV		92
52) ETHYLBENZENE	5.382	91	13993	0.167	PPBV		93
53) M/P-XYLENE	5.456	91	30618	0.443	PPBV		88
55) STYRENE	5.610	104	6557	0.138	PPBV		93
56) O-XYLENE	5.658	91	14500	0.213	PPBV		98
59) 4-ETHYLTOLUENE	6.232	105	3450m	0.039	PPBV		
60) 1,3,5-TRIMETHYLBENZENE	6.278	105	5466	0.073	PPBV		86
61) 1,2,4-TRIMETHYLBENZENE	6.472	105	18930	0.261	PPBV	#	97
64) 1,4-DICHLOROBENZENE	6.569	146	5784	0.140	PPBV		93
67) NAPHTHALENE	7.796	128	4910	0.072	PPBV		97
75] CHLOROFORM (SIM)	2.914	83	16220	0.403	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	673	0.025	PPBV		100

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073032.D Vial: 28
Acq On : 14 Mar 2024 01:56 am Operator: CMR
Sample : 24C0251-08 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:00 2024

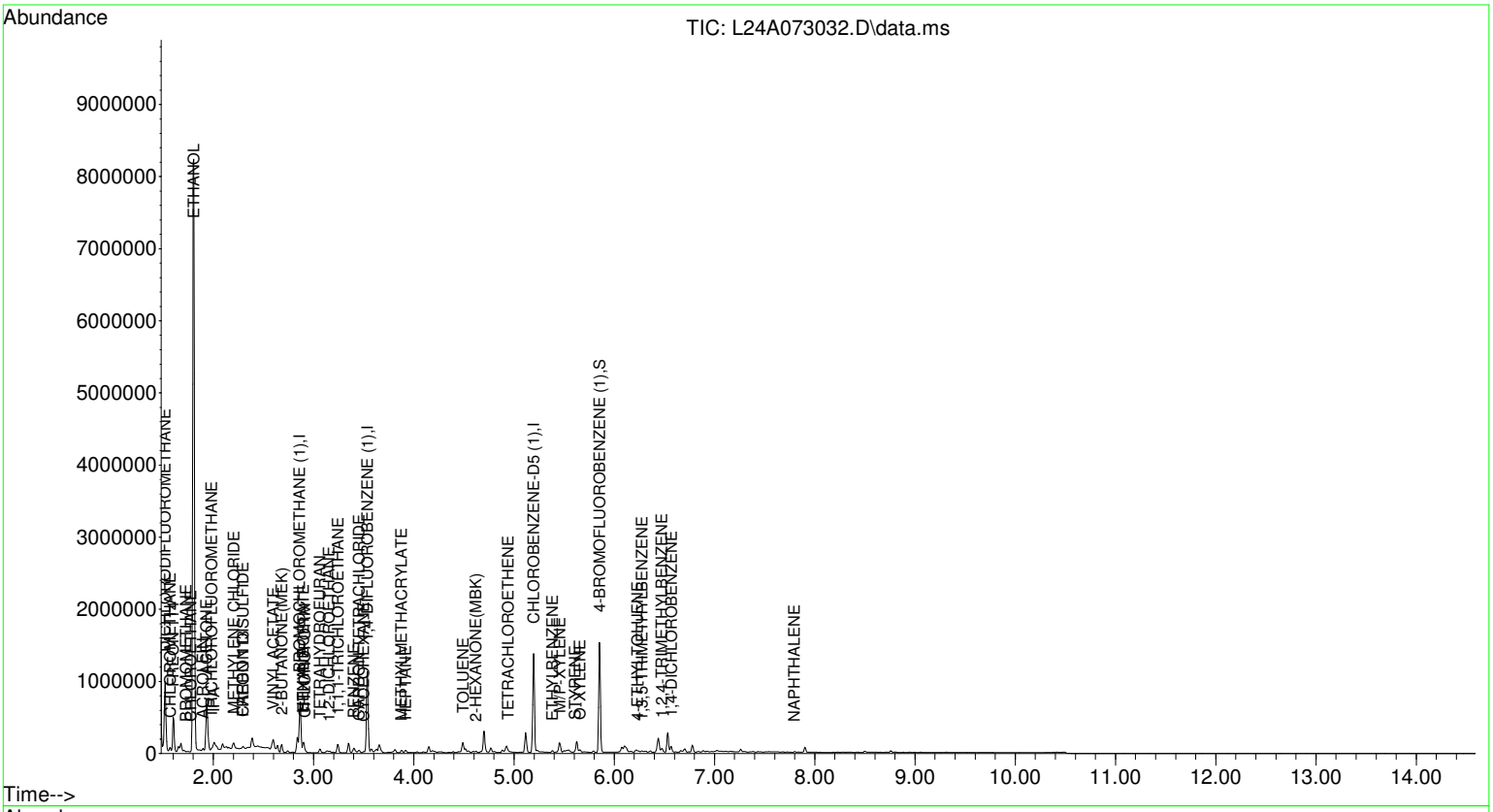
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073032.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

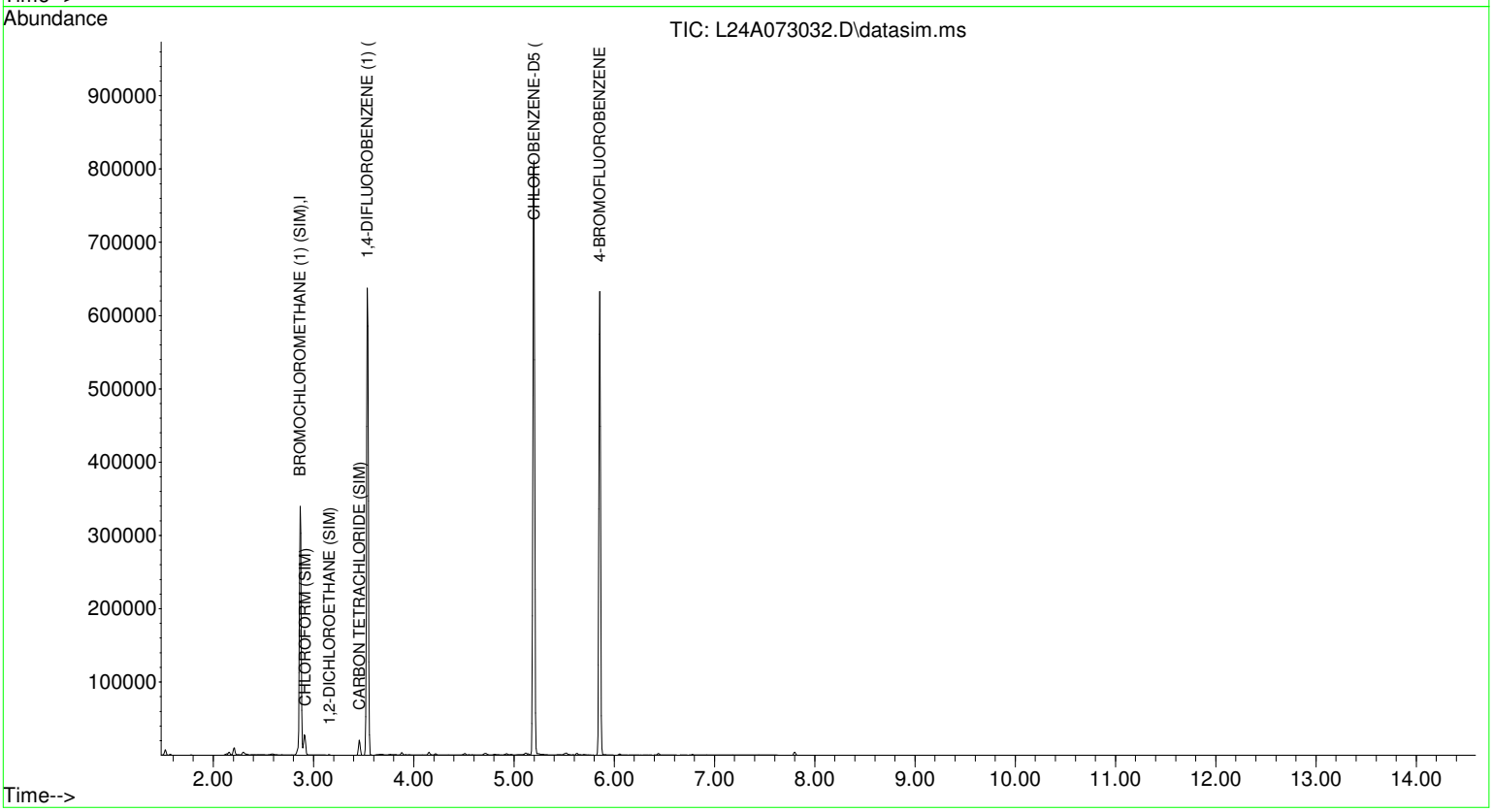
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78] CARBON TETRACHLORIDE (...	3.457	117	12821	0.288	PPBV	99

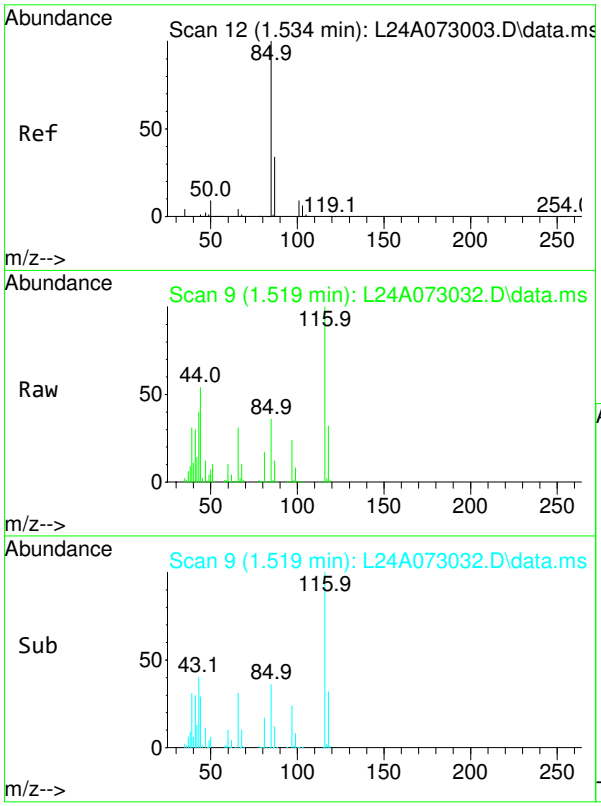
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073032.D Vial: 28
Acq On : 14 Mar 2024 01:56 am Operator: CMR
Sample : 24C0251-08 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:00 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073032.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



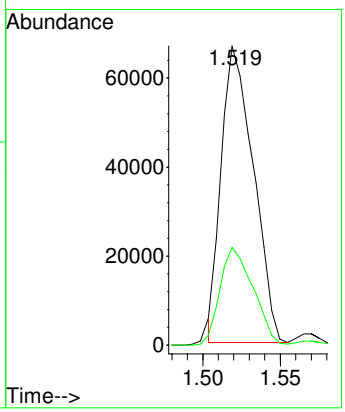


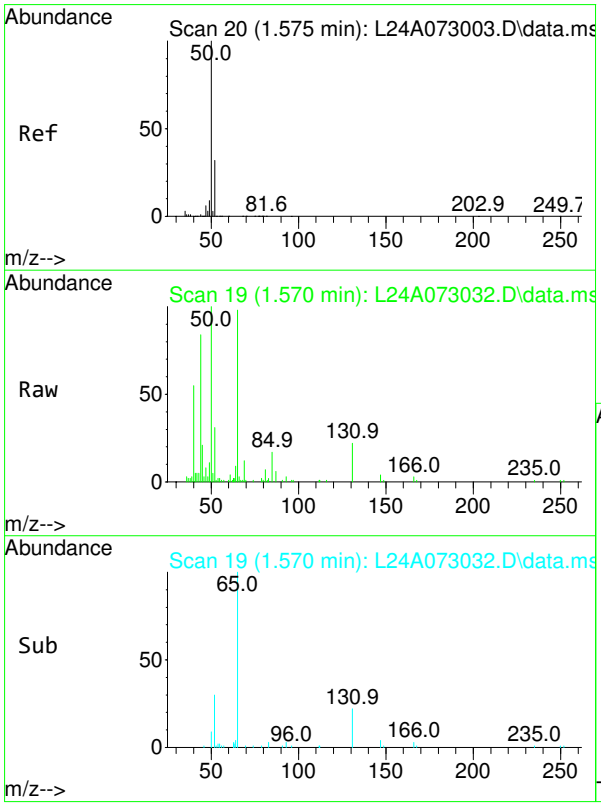


#3
DICHLORODIFLUOROMETHANE
Concen: 2.11 PPBV
RT: 1.519 min Scan# 9
Delta R.T. -0.016 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 85 Resp: 96209

Ion	Ratio	Lower	Upper
85	100		
87	32.5	12.0	52.0

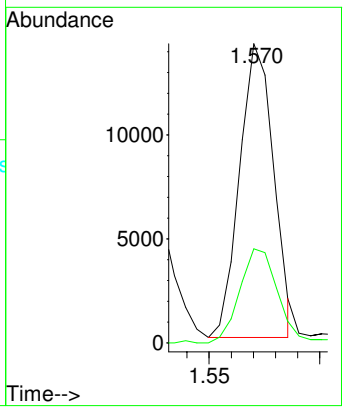


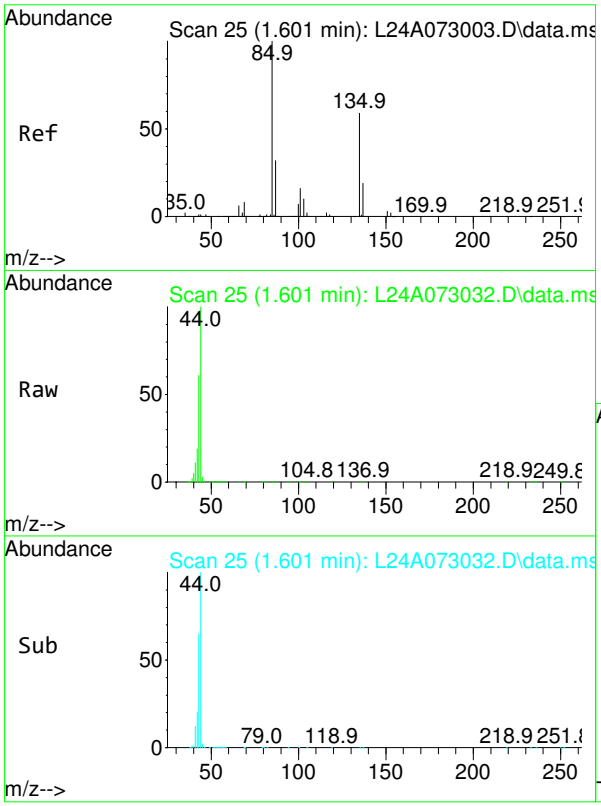


#4
CHLOROMETHANE
Concen: 0.96 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 50 Resp: 15049

Ion	Ratio	Lower	Upper
50	100		
52	34.7	11.2	51.2

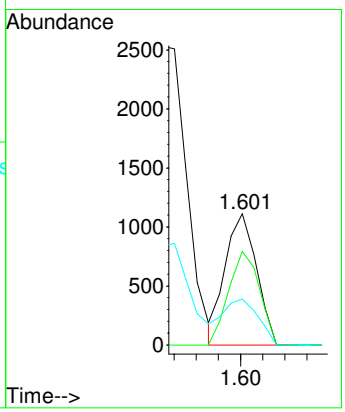


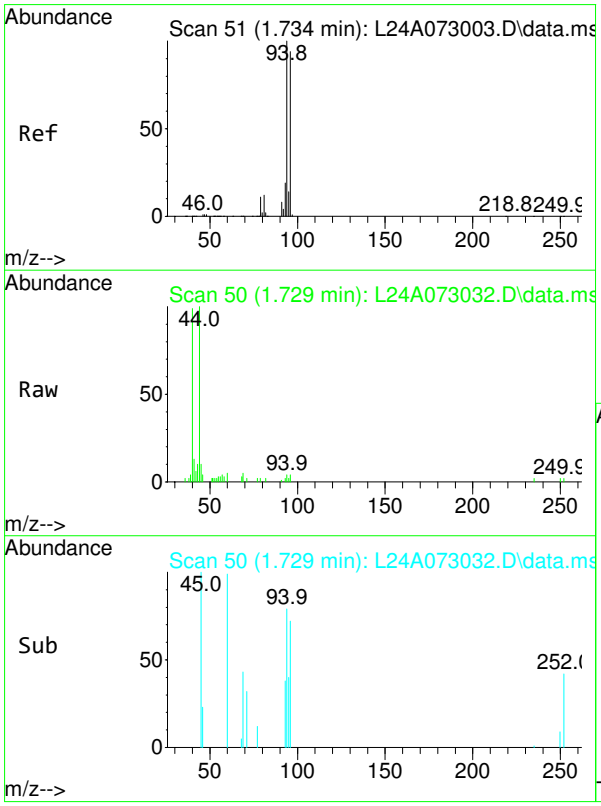


#5
FREON 114
Concen: 0.02 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 85 Resp: 1092

Ion	Ratio	Lower	Upper
85	100		
135	70.1	41.5	81.5
87	40.3	12.1	52.1

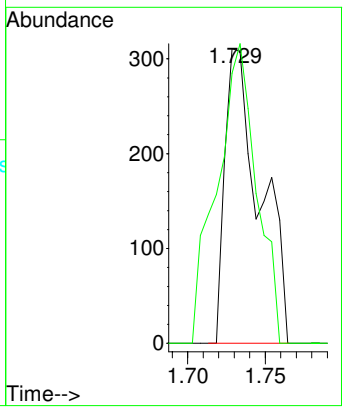


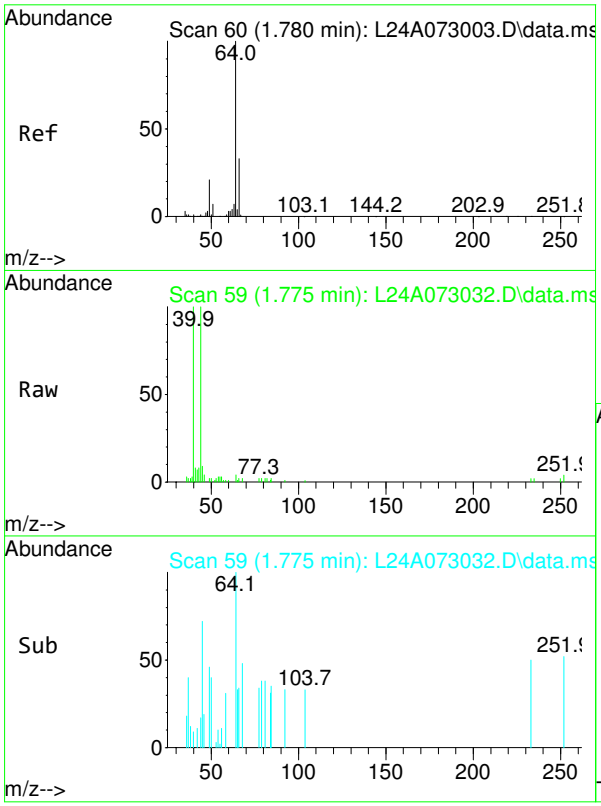


#8
BROMOMETHANE
Concen: 0.03 PPBV
RT: 1.729 min Scan# 50
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 94 Resp: 490

Ion	Ratio	Lower	Upper
94	100		
96	114.7	73.3	113.3#

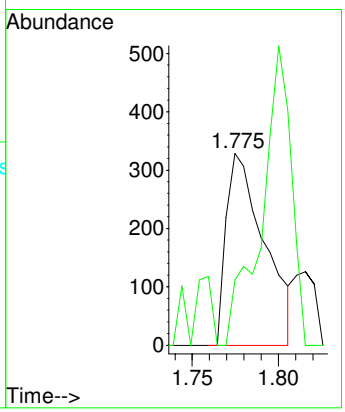


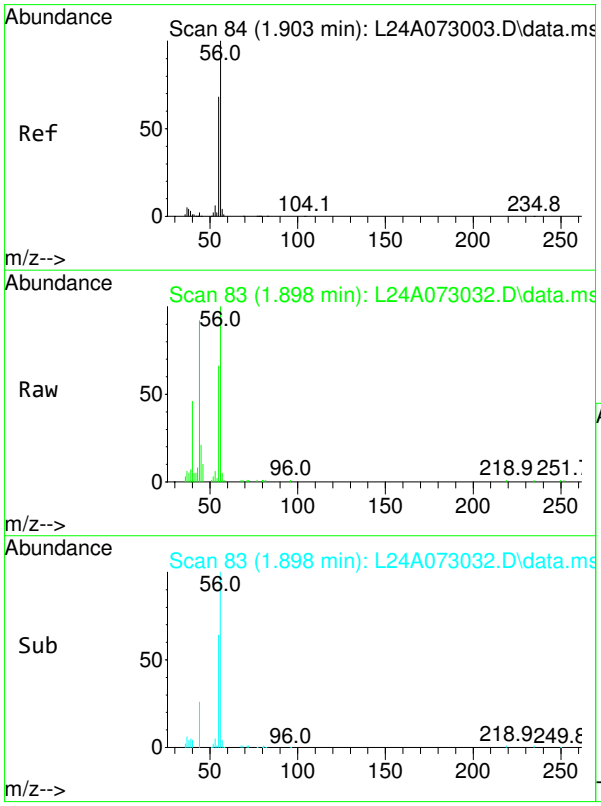


#9
CHLOROETHANE
Concen: 0.05 PPBV
RT: 1.775 min Scan# 59
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 64 Resp: 506

Ion	Ratio	Lower	Upper
64	100		
66	20.2	11.9	51.9

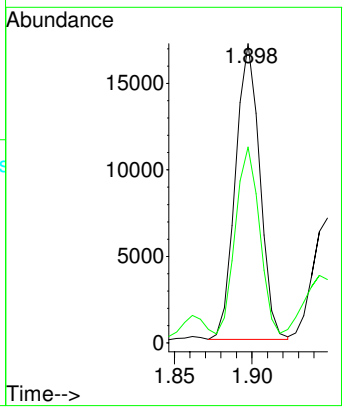


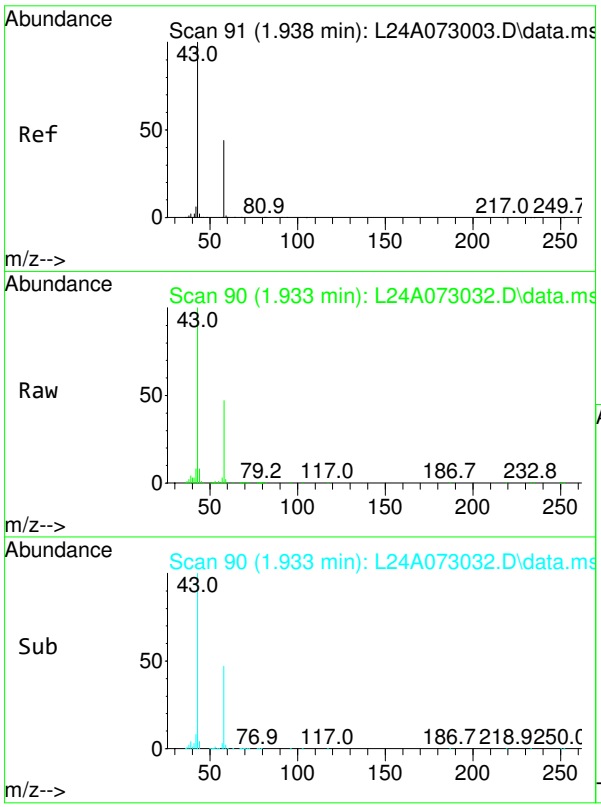


#10
ACROLEIN
Concen: 2.28 PPBV
RT: 1.898 min Scan# 83
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 56 Resp: 18639

Ion	Ratio	Lower	Upper
56	100		
55	61.9	51.4	91.4

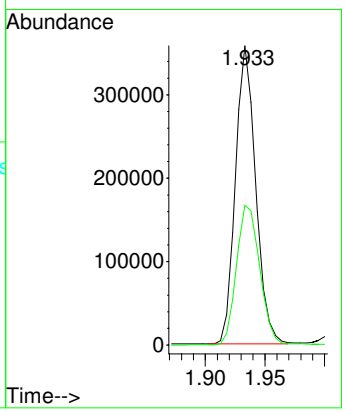


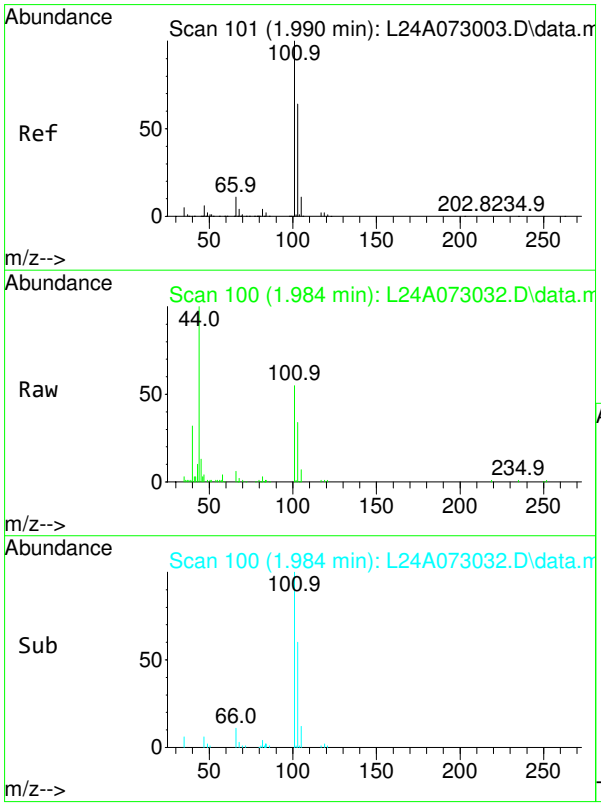


#11
ACETONE
Concen: 14.49 PPBV
RT: 1.933 min Scan# 90
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 418752

Ion	Ratio	Lower	Upper
43	100		
58	53.7	13.1	53.1#

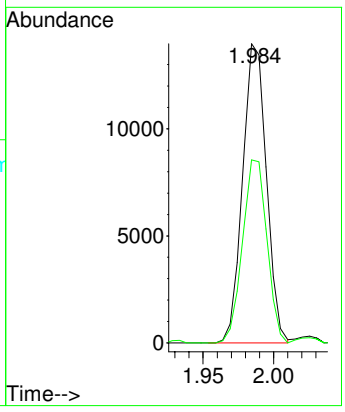


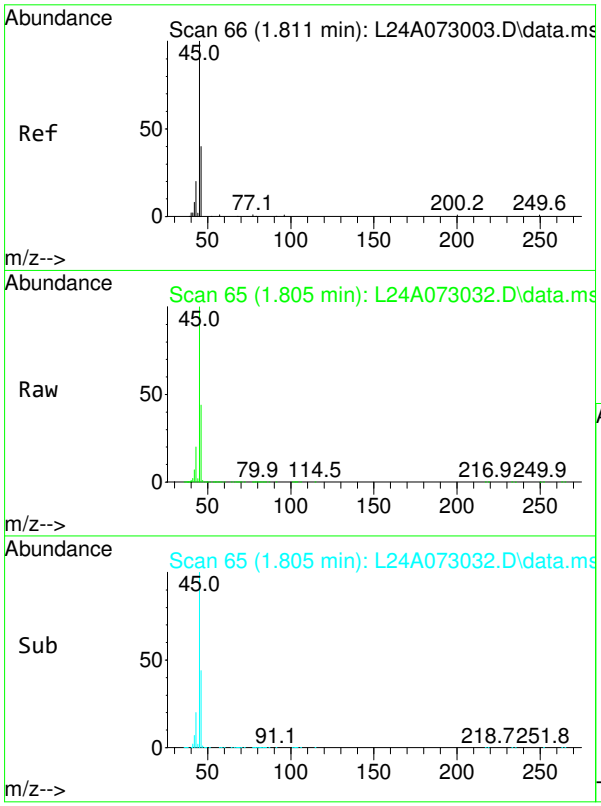


#12
TRICHLOROFLUOROMETHANE
Concen: 0.35 PPBV
RT: 1.984 min Scan# 100
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:101 Resp: 16447

Ion	Ratio	Lower	Upper
101	100		
103	62.7	44.7	84.7

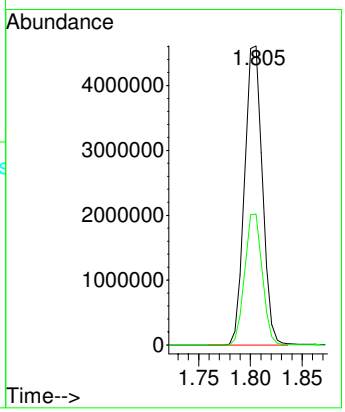


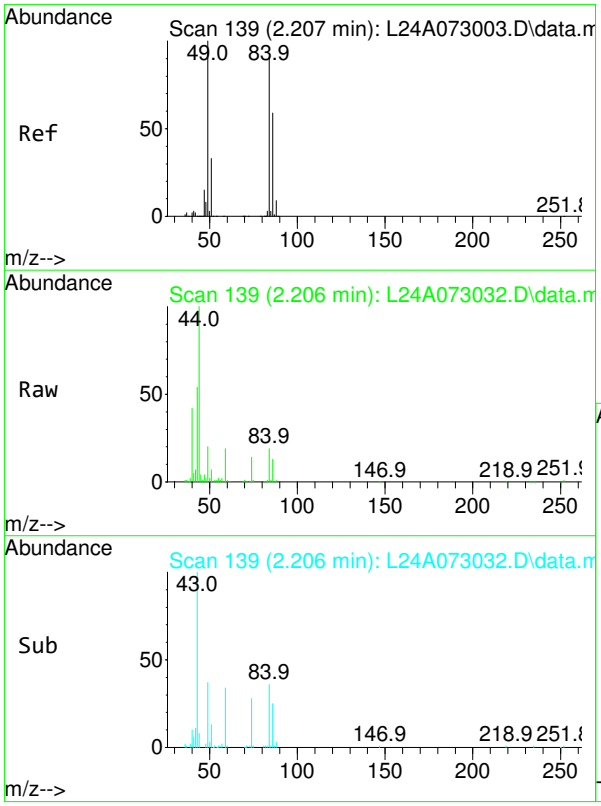


#13
ETHANOL
Concen: 1235.10 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 45 Resp: 5509723

Ion	Ratio	Lower	Upper
45	100		
46	43.4	20.5	60.5

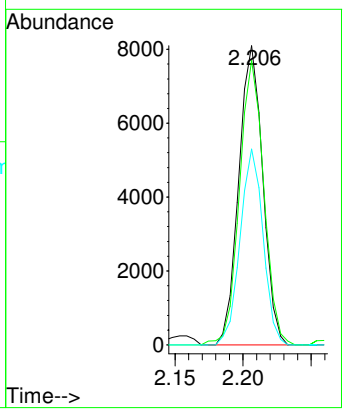


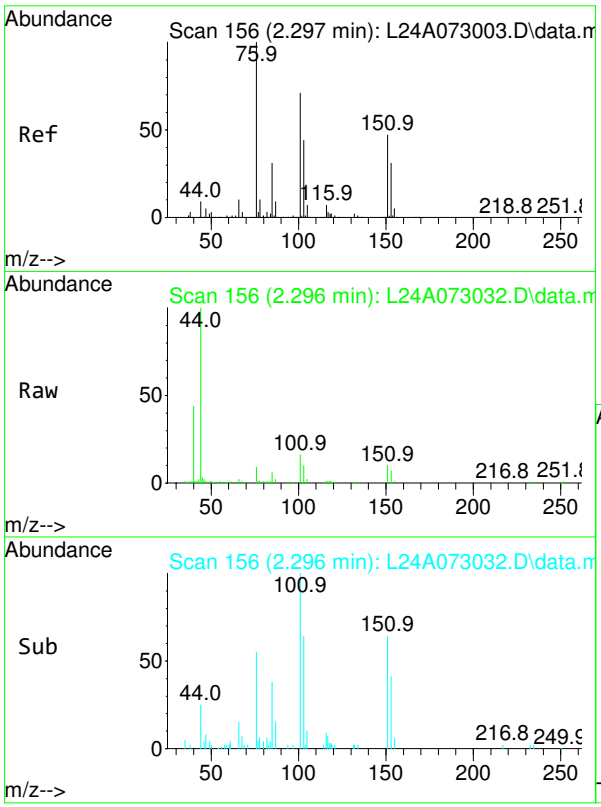


#15
METHYLENE CHLORIDE
Concen: 0.44 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 49 Resp: 9928

Ion	Ratio	Lower	Upper
49	100		
84	96.2	52.0	92.0#
86	62.5	27.3	67.3

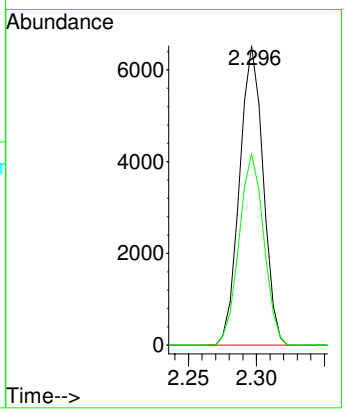


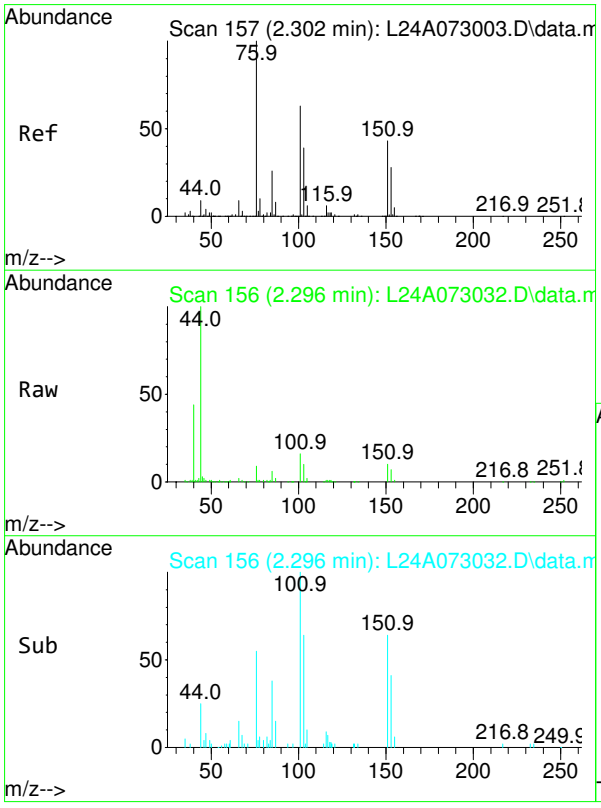


#16
FREON 113
Concen: 0.21 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:101 Resp: 7893

Ion	Ratio	Lower	Upper
101	100		
151	66.9	52.3	92.3

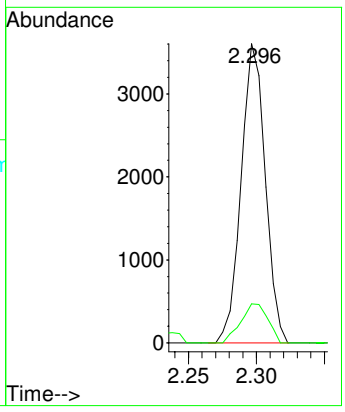


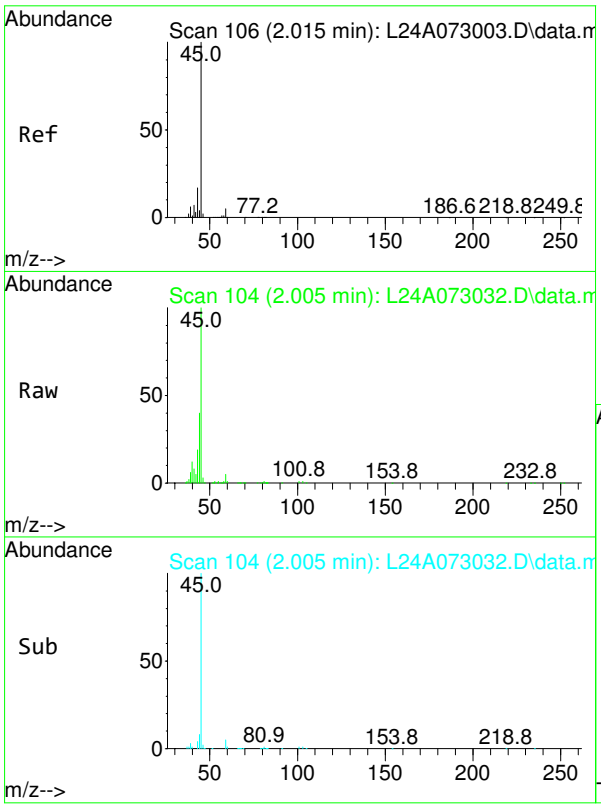


#17
CARBON DISULFIDE
Concen: 0.08 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 76 Resp: 4450

Ion	Ratio	Lower	Upper
76	100		
78	14.6	0.0	31.1

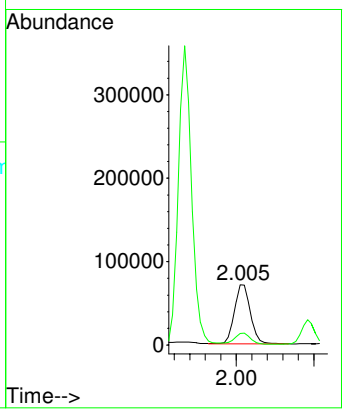


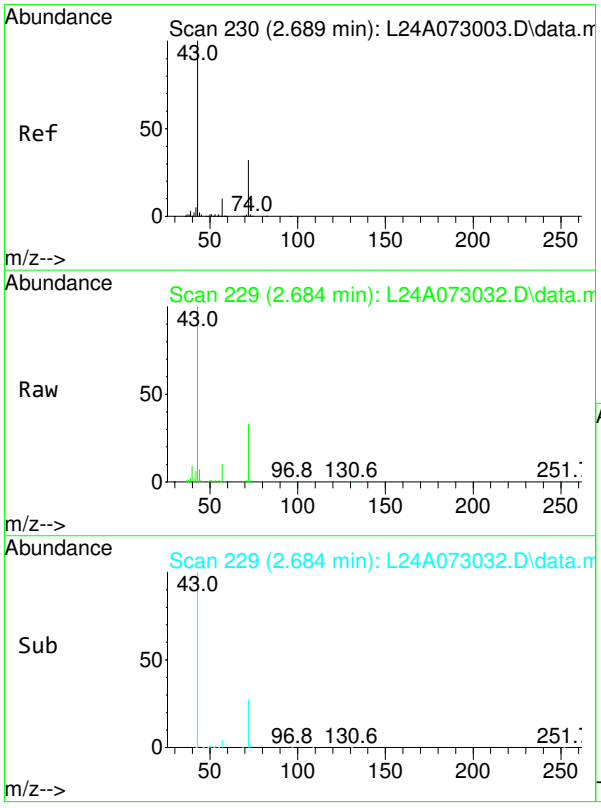


#21
IPA
Concen: 3.29 PPBV
RT: 2.005 min Scan# 104
Delta R.T. -0.008 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 45 Resp: 100072

Ion	Ratio	Lower	Upper
45	100		
43	19.0	0.0	39.3

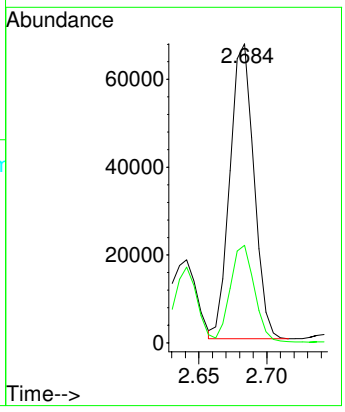


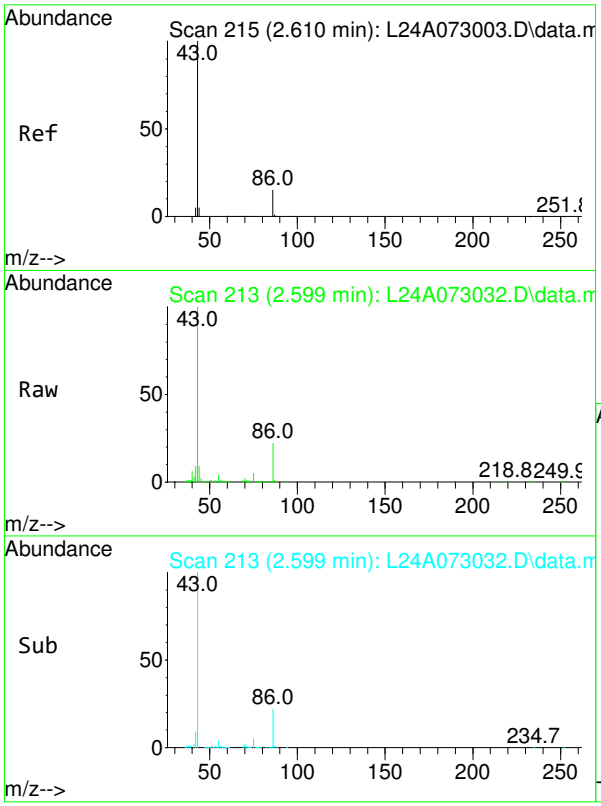


#22
2-BUTANONE(MEK)
Concen: 2.32 PPBV
RT: 2.684 min Scan# 229
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 82386

Ion	Ratio	Lower	Upper
43	100		
72	32.4	5.6	45.6

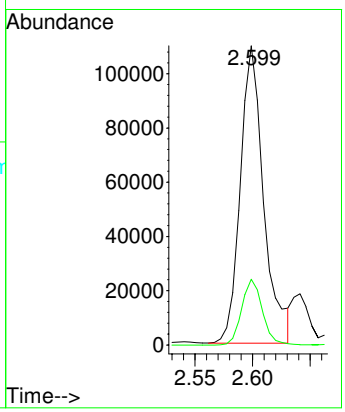


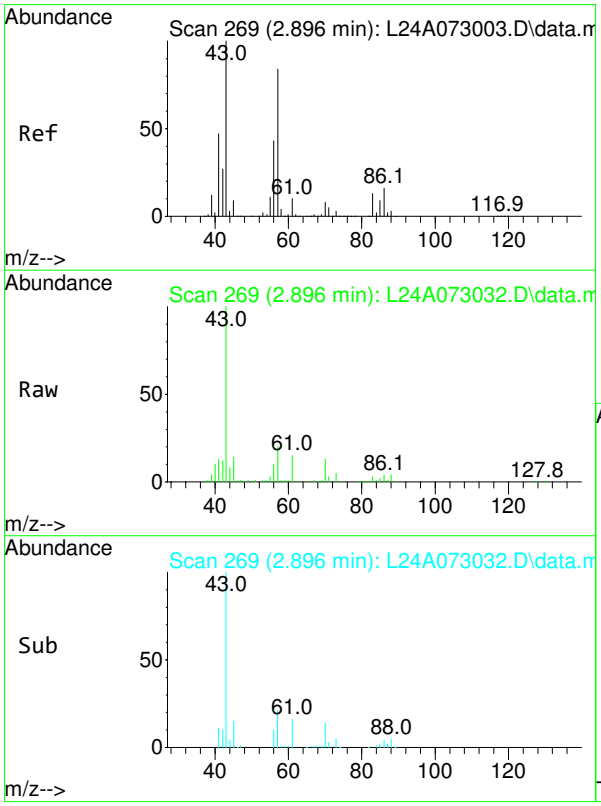


#24
VINYL ACETATE
Concen: 4.09 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 154005

Ion	Ratio	Lower	Upper
43	100		
86	19.4	0.0	19.5

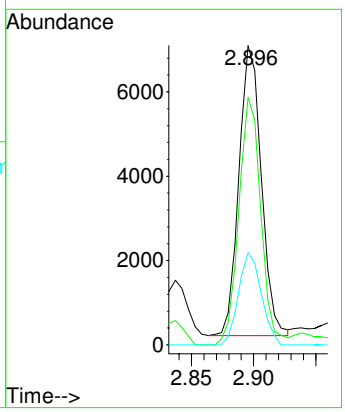


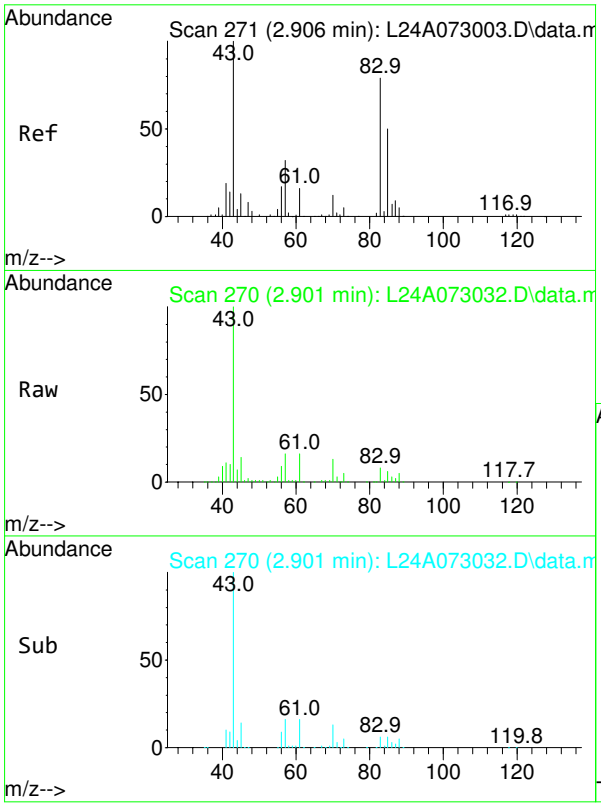


#25
HEXANE
Concen: 0.45 PPBV
RT: 2.896 min Scan# 269
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 41 Resp: 8583

Ion	Ratio	Lower	Upper
41	100		
56	84.0	52.3	92.3
86	32.3	16.1	36.1

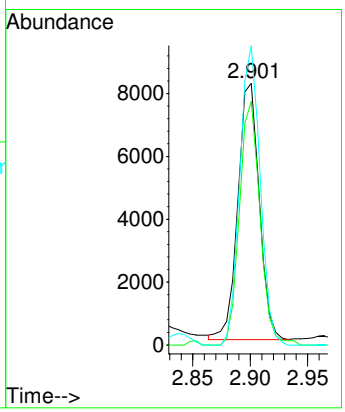


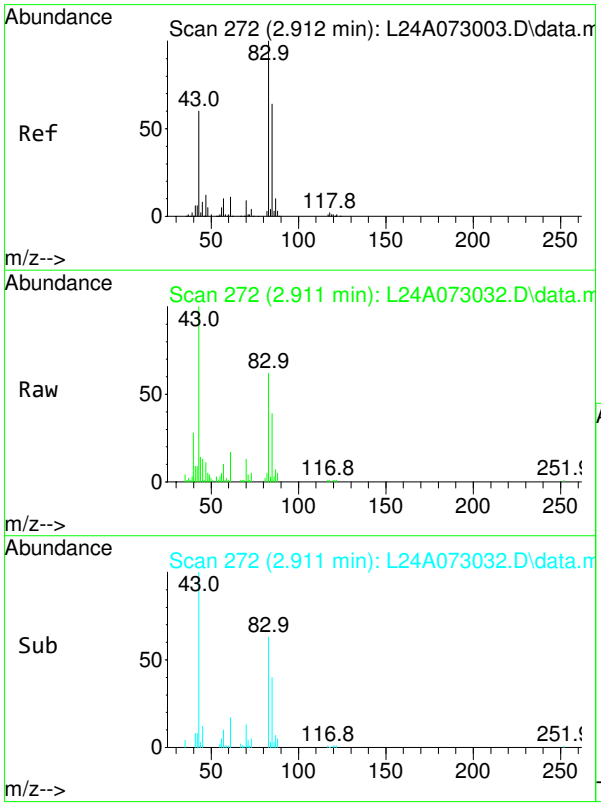


#26
ETHYL ACETATE
Concen: 1.70 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 45 Resp: 10457

Ion	Ratio	Lower	Upper
45	100		
70	90.7	68.8	108.8
61	111.3	83.3	123.3

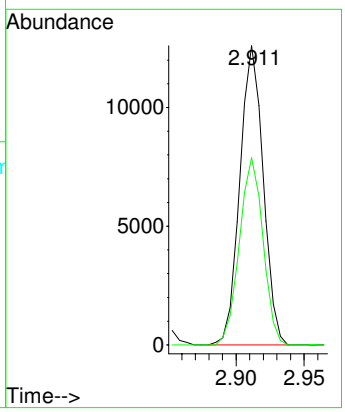


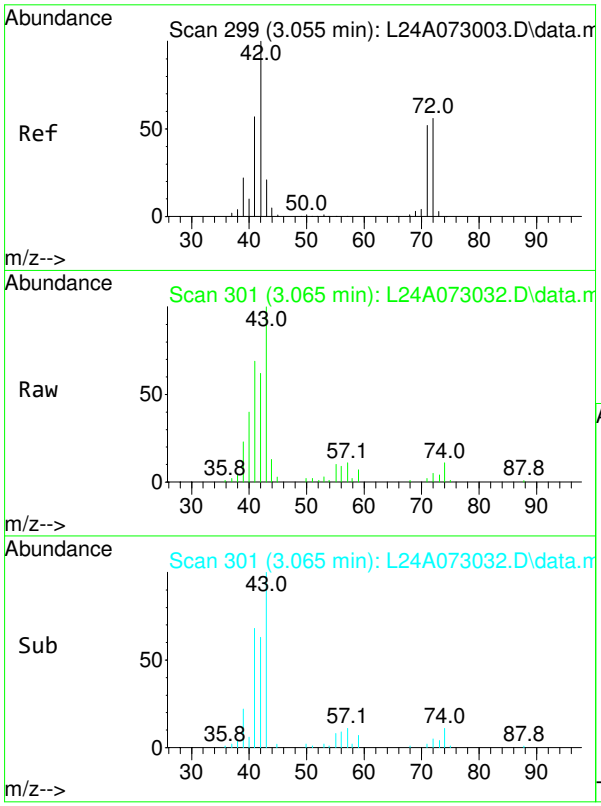


#27
CHLOROFORM
Concen: 0.41 PPBV
RT: 2.911 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 83 Resp: 15061

Ion	Ratio	Lower	Upper
83	100		
85	63.2	44.8	84.8

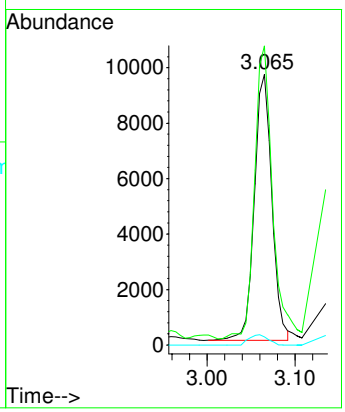


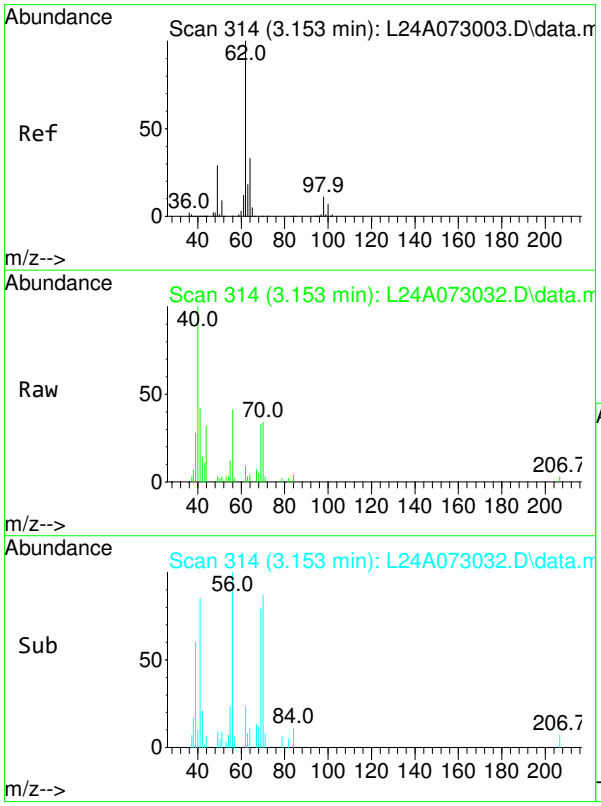


#28
TETRAHYDROFURAN
Concen: 0.56 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 42 Resp: 13220

Ion	Ratio	Lower	Upper
42	100		
41	110.2	33.5	73.5#
71	4.1	24.0	64.0#

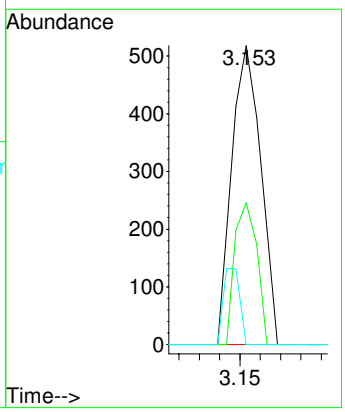


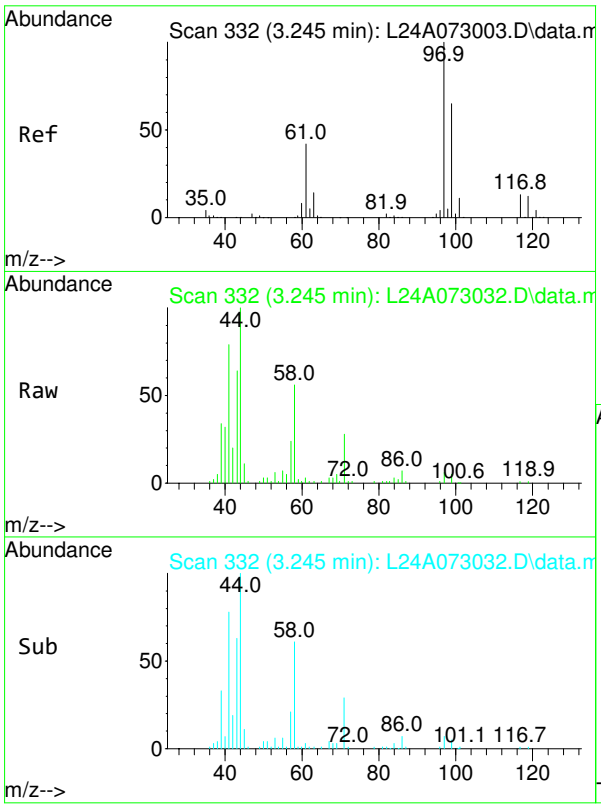


#29
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 3.153 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 62 Resp: 505

Ion	Ratio	Lower	Upper
62	100		
64	36.0	13.0	53.0
98	0.0	0.0	19.3

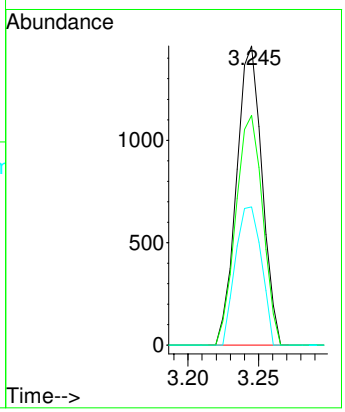


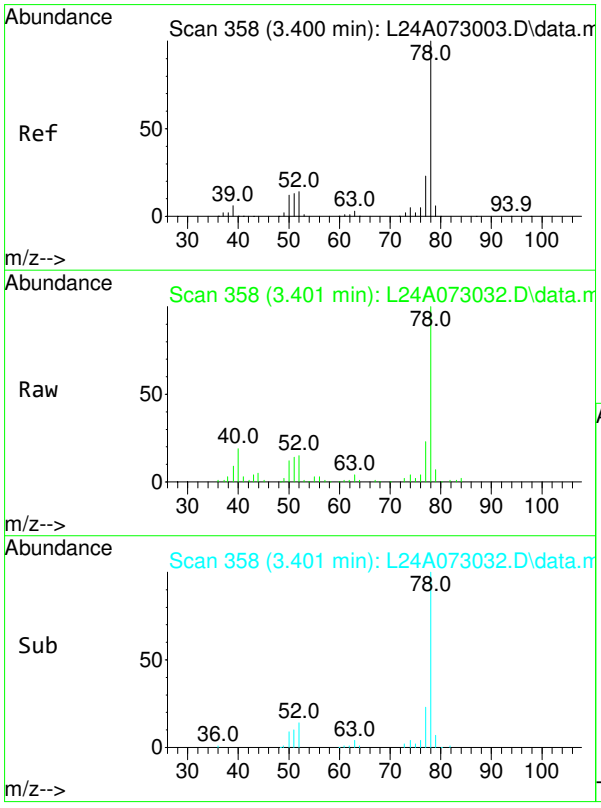


#31
1,1,1-TRICHLOROETHANE
Concen: 0.05 PPBV
RT: 3.245 min Scan# 332
Delta R.T. 0.000 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 97 Resp: 1837

Ion	Ratio	Lower	Upper
97	100		
99	80.7	45.3	85.3
61	47.2	28.1	68.1

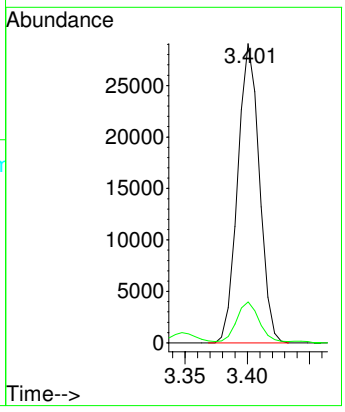


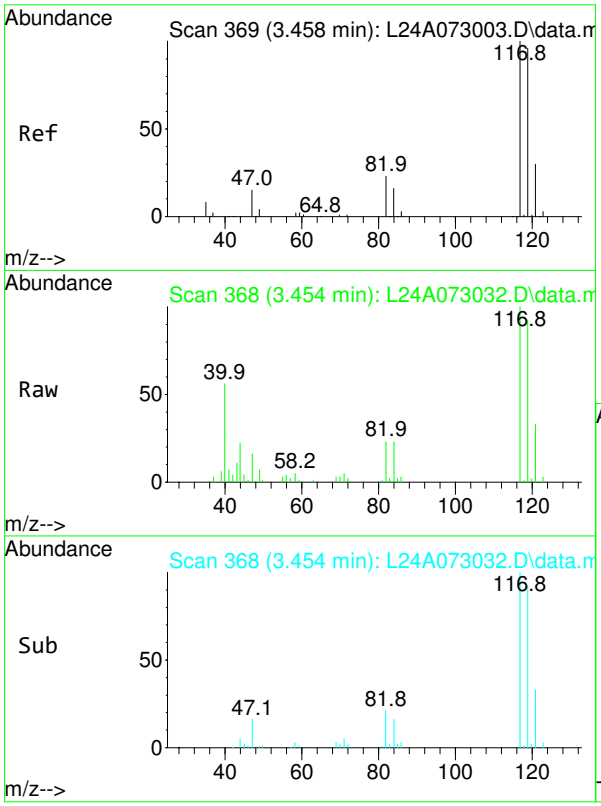


#32
BENZENE
Concen: 0.62 PPBV
RT: 3.401 min Scan# 358
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 78 Resp: 35045

Ion	Ratio	Lower	Upper
78	100		
51	13.4	0.0	37.7

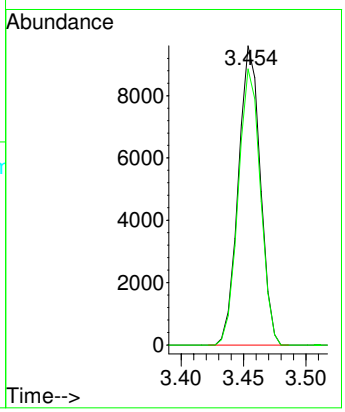


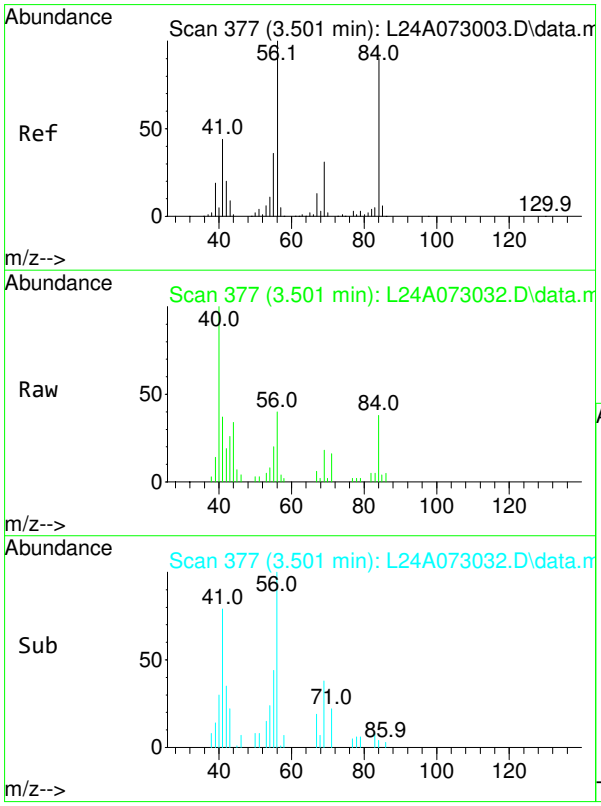


#33
CARBON TETRACHLORIDE
Concen: 0.29 PPBV
RT: 3.454 min Scan# 368
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:117 Resp: 11738

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.3	115.3

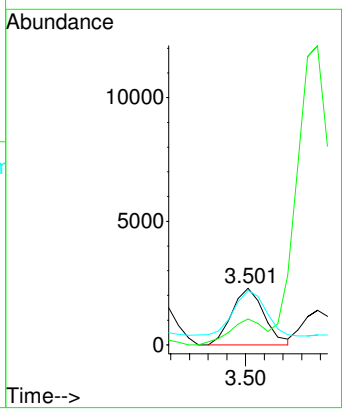


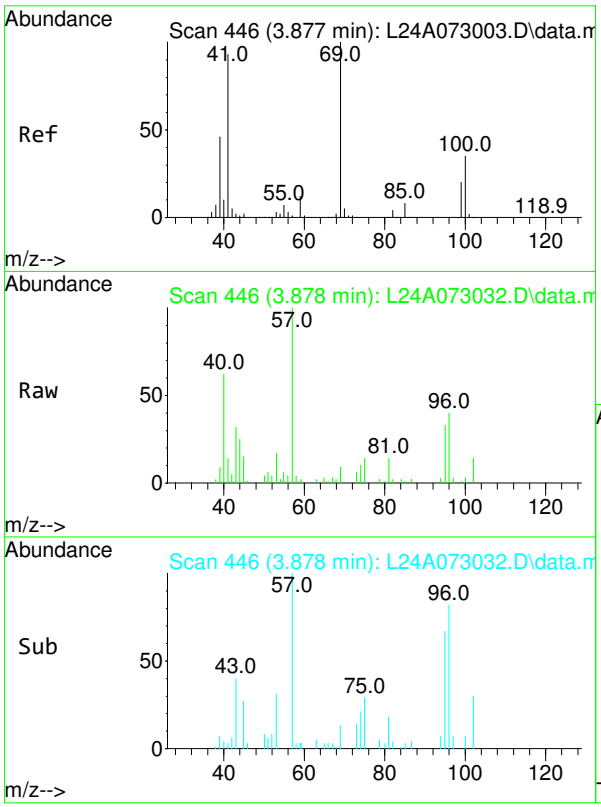


#34
CYCLOHEXANE
Concen: 0.12 PPBV
RT: 3.501 min Scan# 377
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 84 Resp: 2752

Ion	Ratio	Lower	Upper
84	100		
69	48.4	17.7	57.7
41	80.8	44.6	84.6

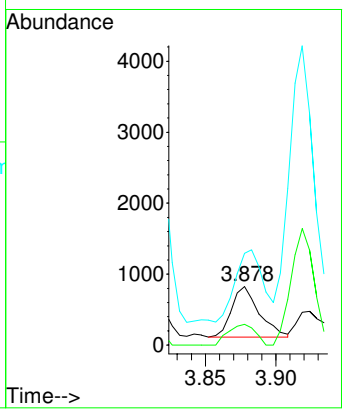


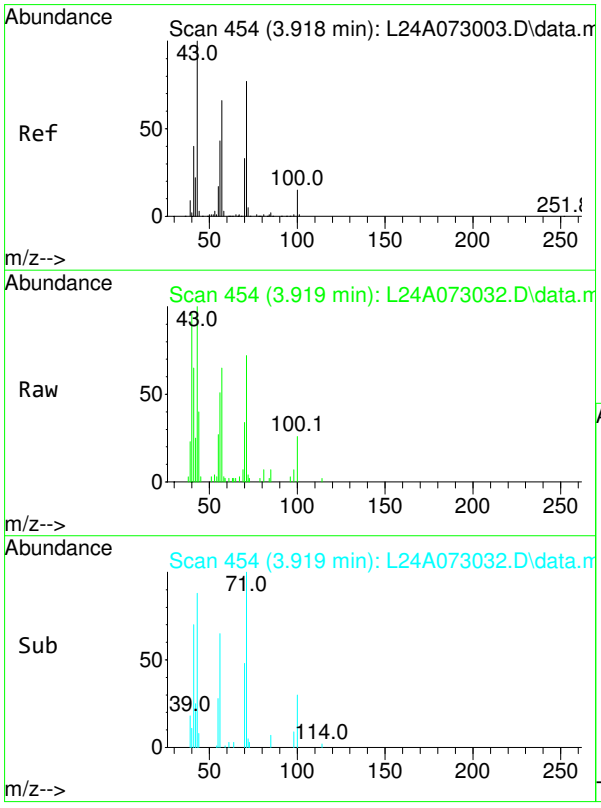


#39
METHYLMETHACRYLATE
Concen: 0.05 PPBV
RT: 3.878 min Scan# 446
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 69 Resp: 974

Ion	Ratio	Lower	Upper
69	100		
100	40.1	18.0	58.0
41	141.9	102.8	142.8

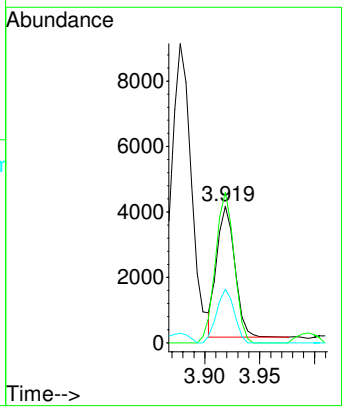


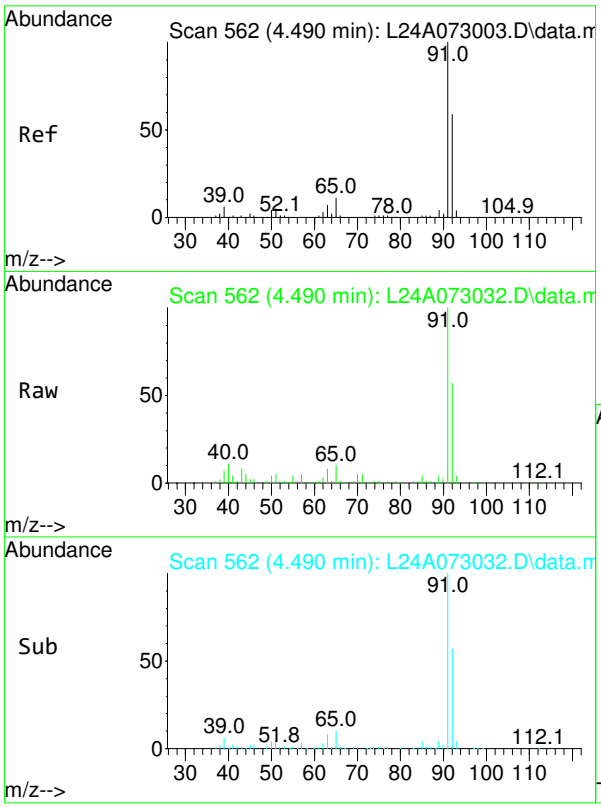


#40
HEPTANE
Concen: 0.36 PPBV
RT: 3.919 min Scan# 454
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 57 Resp: 6471

Ion	Ratio	Lower	Upper
57	100		
71	84.1	87.9	127.9#
100	28.4	4.4	44.4

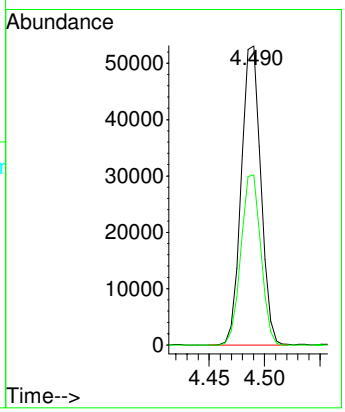


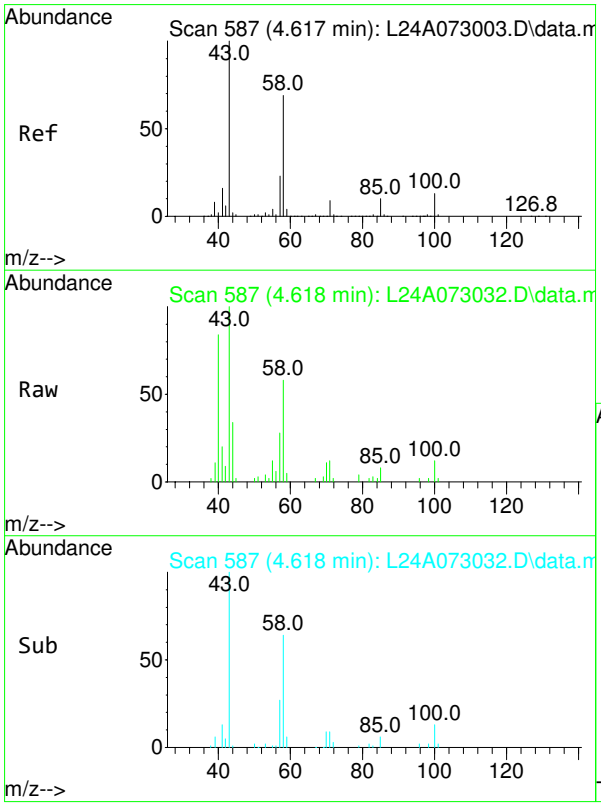


#46
TOLUENE
Concen: 0.98 PPBV
RT: 4.490 min Scan# 562
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 65207

Ion	Ratio	Lower	Upper
91	100		
92	57.8	39.1	79.1

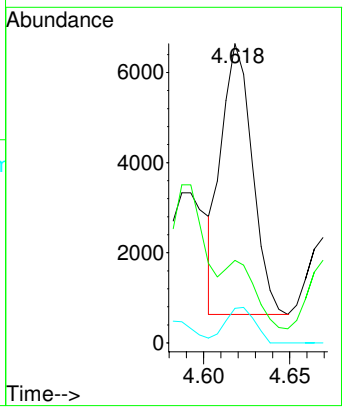


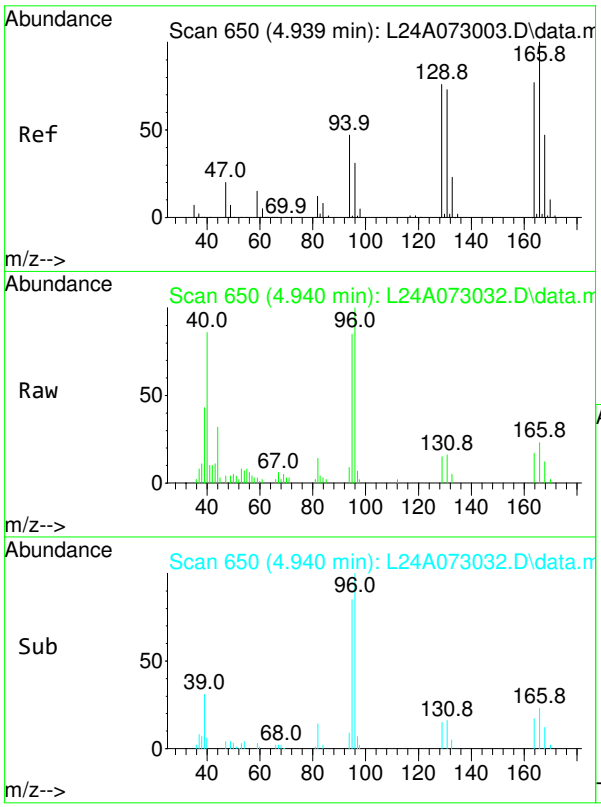


#47
2-HEXANONE(MBK)
Concen: 0.18 PPBV
RT: 4.618 min Scan# 587
Delta R.T. -0.002 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 43 Resp: 7516

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	39.5
100	12.5	1.7	21.7

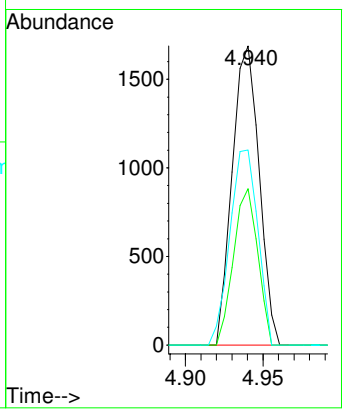


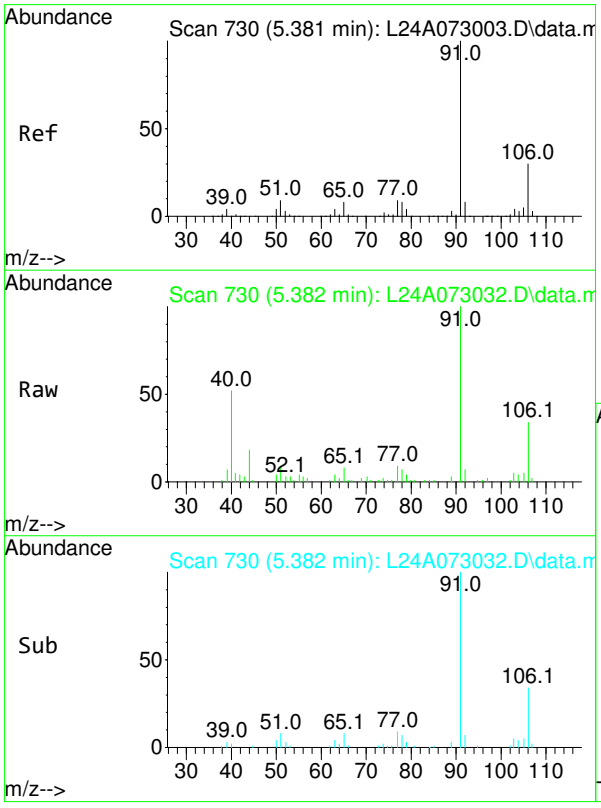


#50
TETRACHLOROETHENE
Concen: 0.07 PPBV
RT: 4.940 min Scan# 650
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:166 Resp: 2036

Ion	Ratio	Lower	Upper
166	100		
168	47.0	28.8	68.8
129	67.5	56.6	96.6

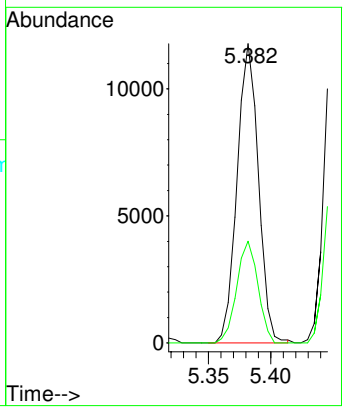


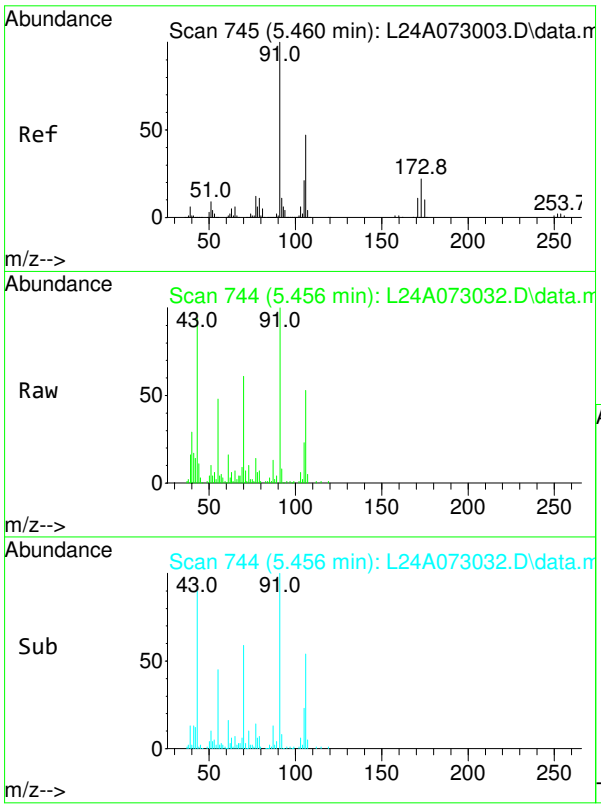


#52
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 5.382 min Scan# 730
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 13993

Ion	Ratio	Lower	Upper
91	100		
106	33.9	10.1	50.1

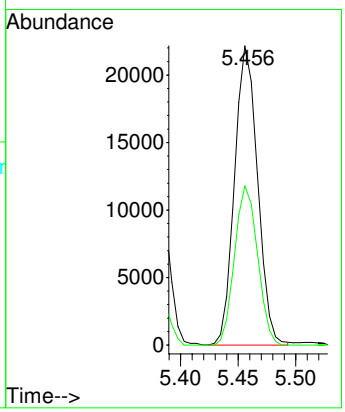


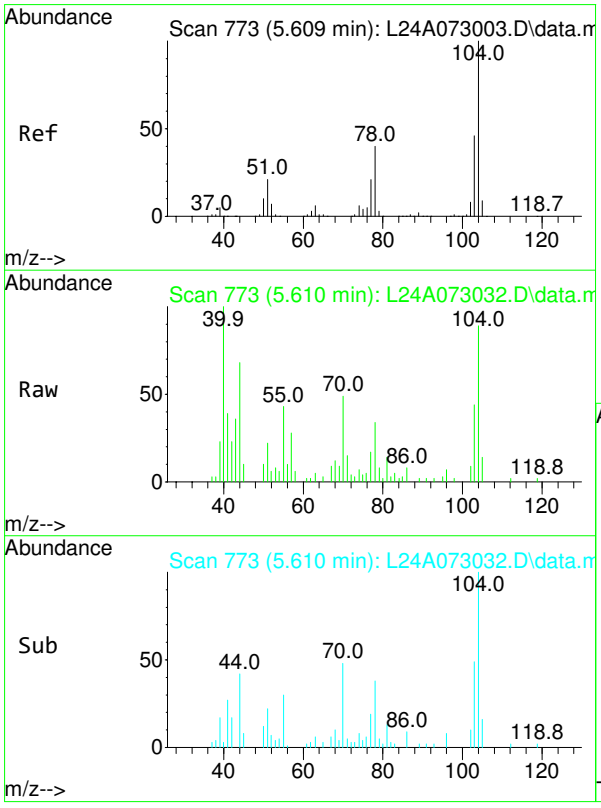


#53
M/P-XYLENE
Concen: 0.44 PPBV
RT: 5.456 min Scan# 744
Delta R.T. -0.012 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 30618

Ion	Ratio	Lower	Upper
91	100		
106	53.0	24.9	64.9

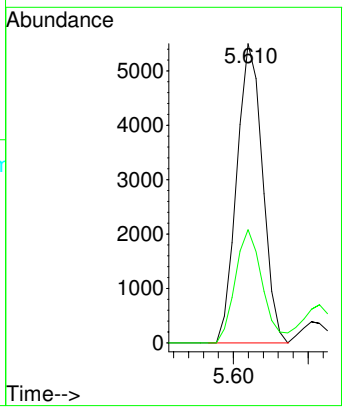


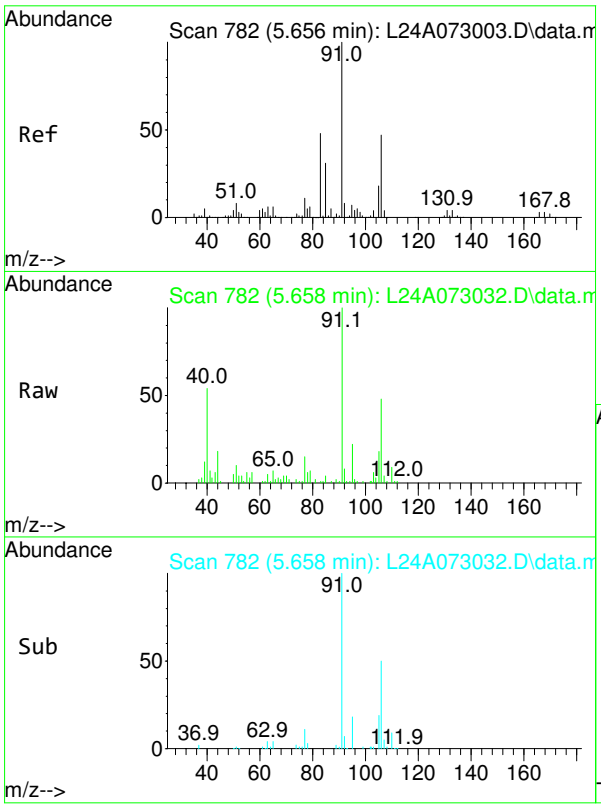


#55
STYRENE
Concen: 0.14 PPBV
RT: 5.610 min Scan# 773
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:104 Resp: 6557

Ion	Ratio	Lower	Upper
104	100		
78	40.2	24.7	64.7

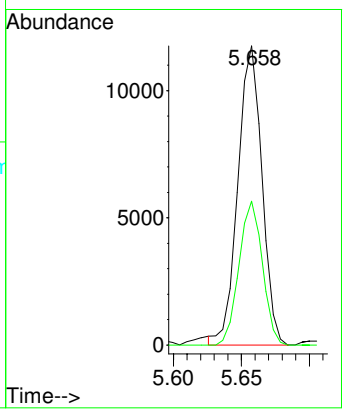


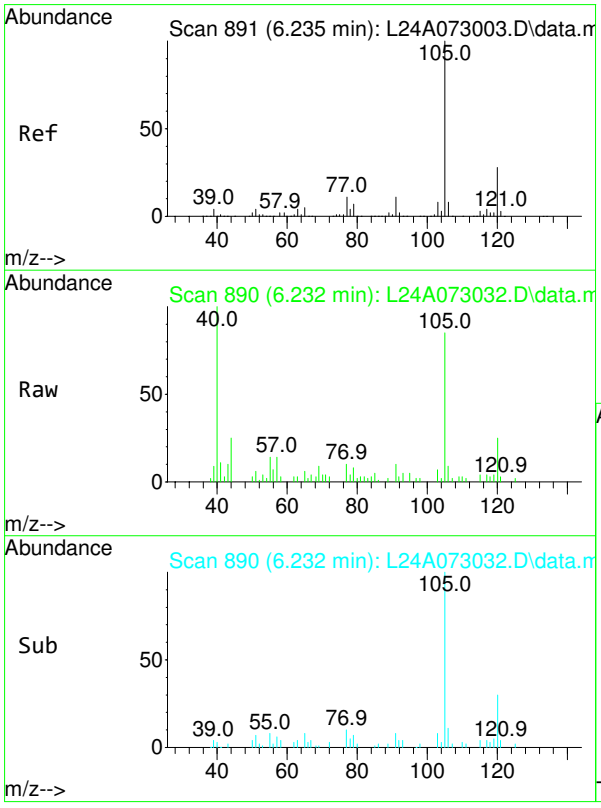


#56
O-XYLENE
Concen: 0.21 PPBV
RT: 5.658 min Scan# 782
Delta R.T. -0.006 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 91 Resp: 14500

Ion	Ratio	Lower	Upper
91	100		
106	46.9	25.4	65.4

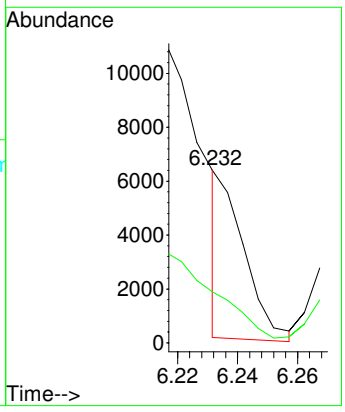


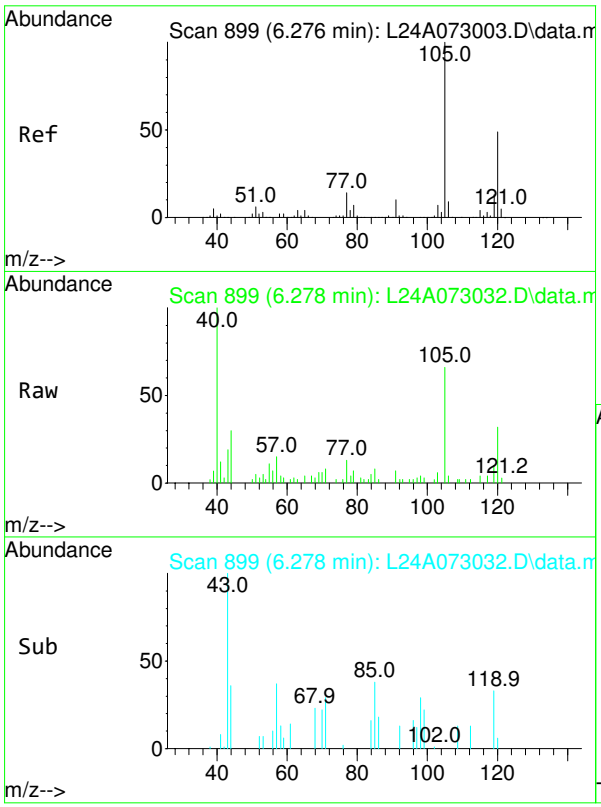


#59
4-ETHYLTOLUENE
Concen: 0.04 PPBV m
RT: 6.232 min Scan# 890
Delta R.T. -0.009 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:105 Resp: 3450

Ion	Ratio	Lower	Upper
105	100		
120	165.0	8.8	48.8#

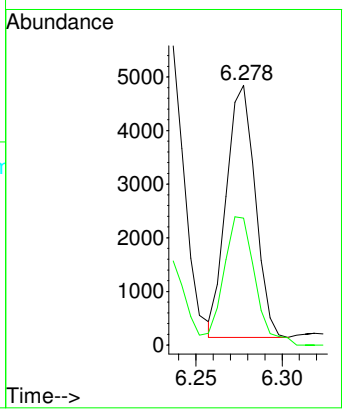


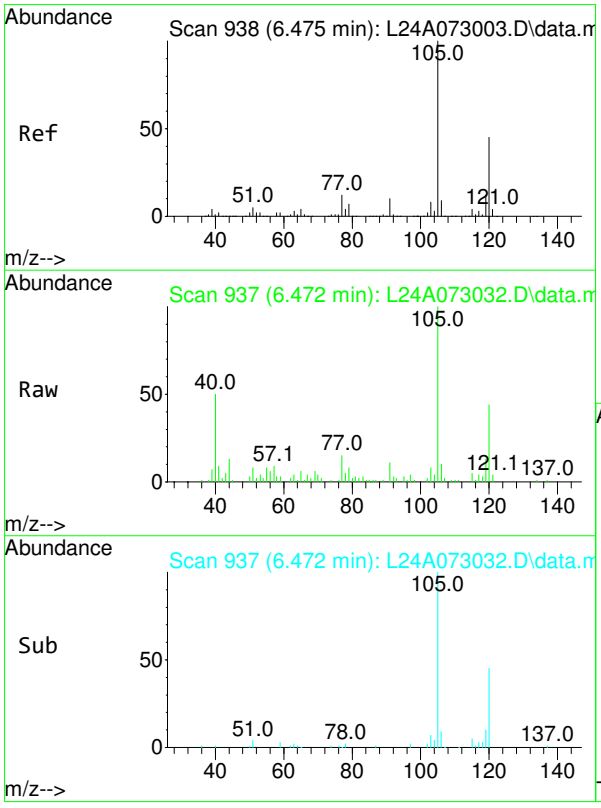


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.07 PPBV
RT: 6.278 min Scan# 899
Delta R.T. -0.005 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:105 Resp: 5466

Ion	Ratio	Lower	Upper
105	100		
120	55.9	26.9	66.9

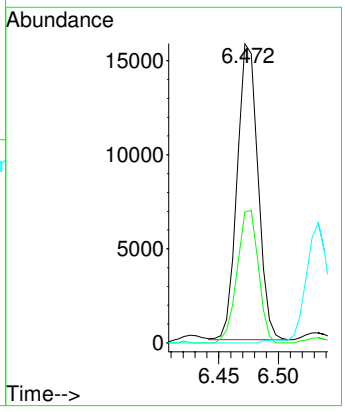


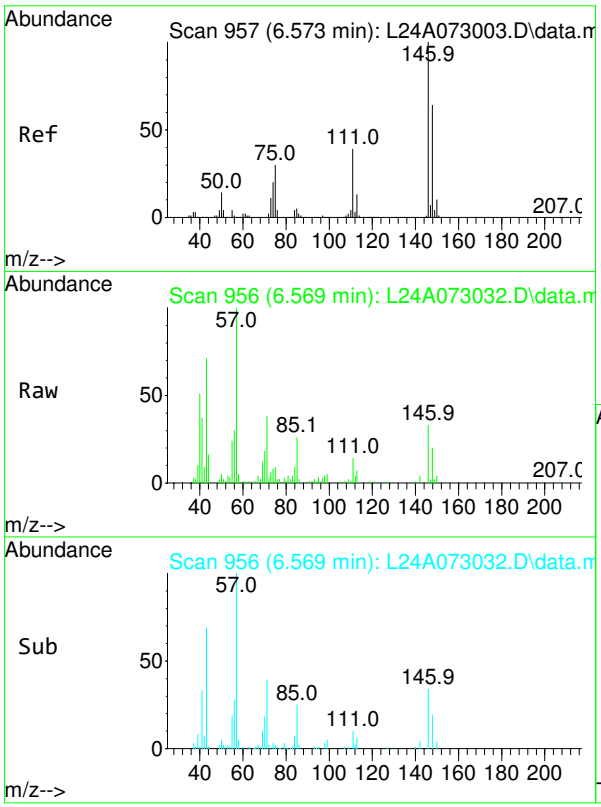


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.26 PPBV
RT: 6.472 min Scan# 937
Delta R.T. -0.011 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:105 Resp: 18930

Ion	Ratio	Lower	Upper
105	100		
120	45.7	24.0	64.0
207	0.0	0.0	20.0

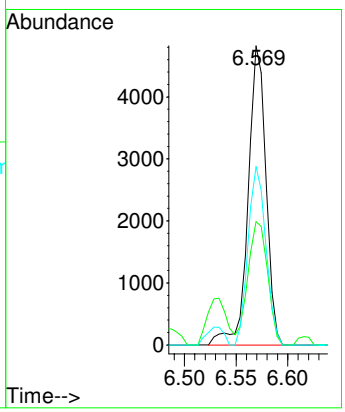


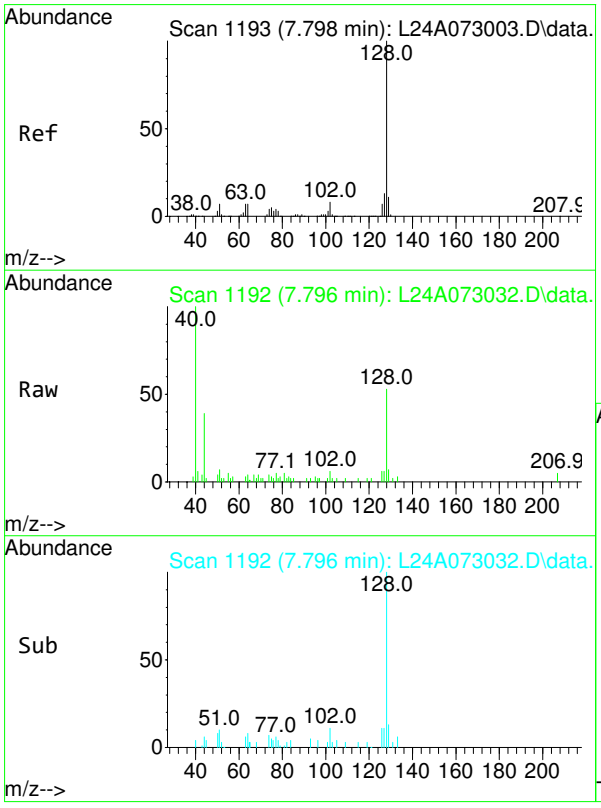


#64
1,4-DICHLOROBENZENE
Concen: 0.14 PPBV
RT: 6.569 min Scan# 956
Delta R.T. -0.008 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:146 Resp: 5784

Ion	Ratio	Lower	Upper
146	100		
111	45.3	20.5	60.5
148	59.7	44.9	84.9

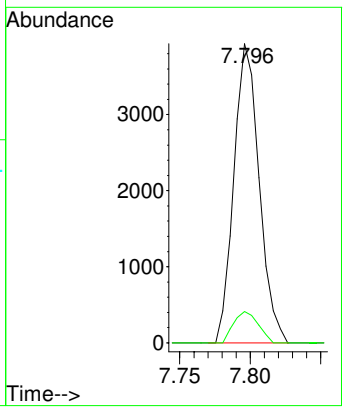


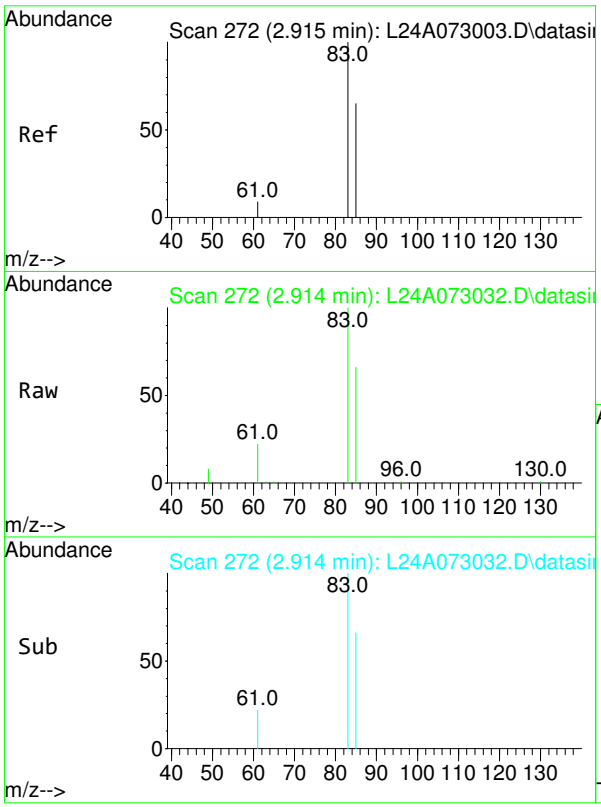


#67
NAPHTHALENE
Concen: 0.07 PPBV
RT: 7.796 min Scan# 1192
Delta R.T. -0.007 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:128 Resp: 4910

Ion	Ratio	Lower	Upper
128	100		
102	10.2	0.0	29.2

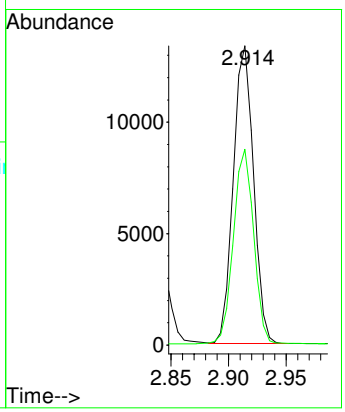


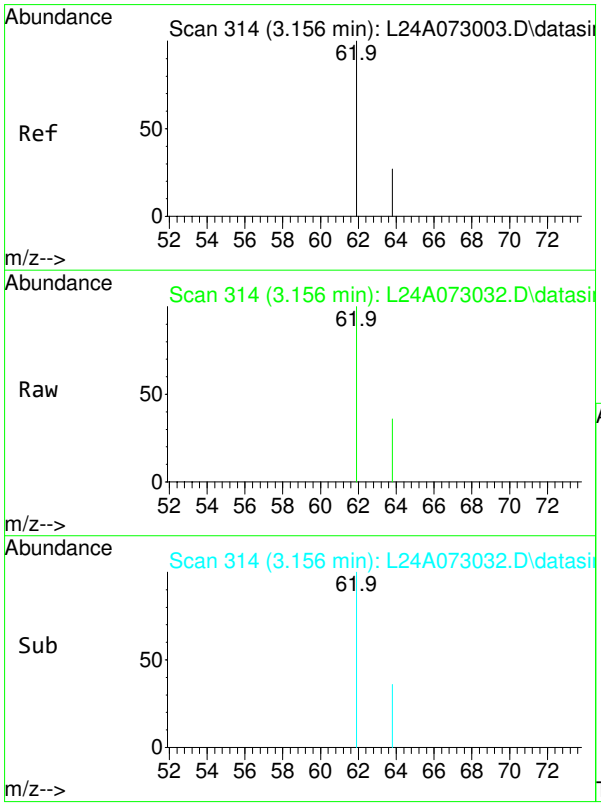


#75
CHLOROFORM (SIM)
Concen: 0.40 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 83 Resp: 16220

Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.0	85.0

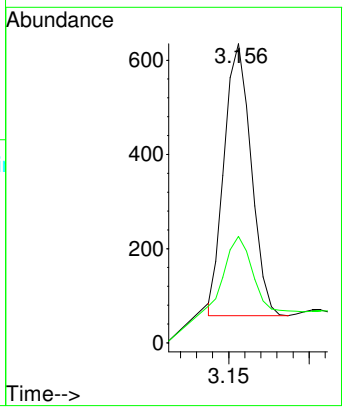


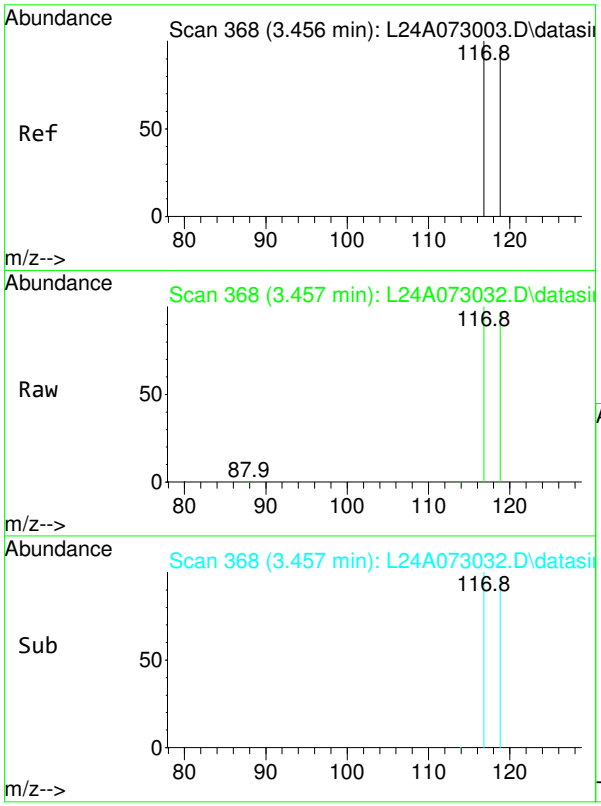


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.03 PPBV
RT: 3.156 min Scan# 314
Delta R.T. -0.003 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion: 62 Resp: 673

Ion	Ratio	Lower	Upper
62	100		
64	27.2	7.0	47.0

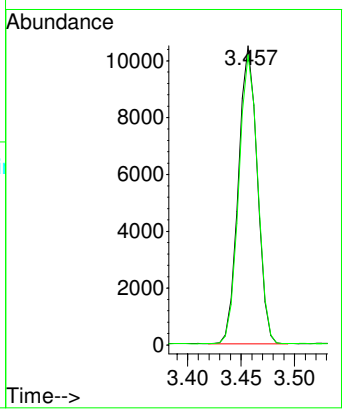




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.29 PPBV
RT: 3.457 min Scan# 368
Delta R.T. -0.004 min
Lab File: L24A073032.D
Acq: 14 Mar 2024 01:56 am

Tgt Ion:117 Resp: 12821

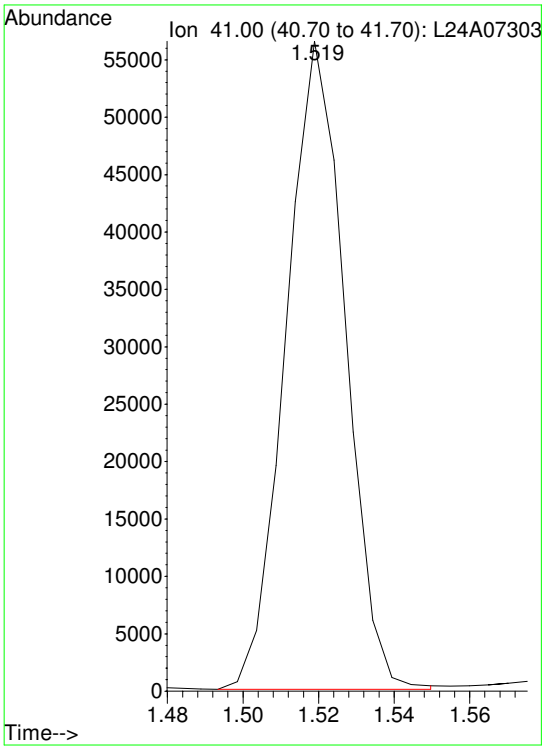
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

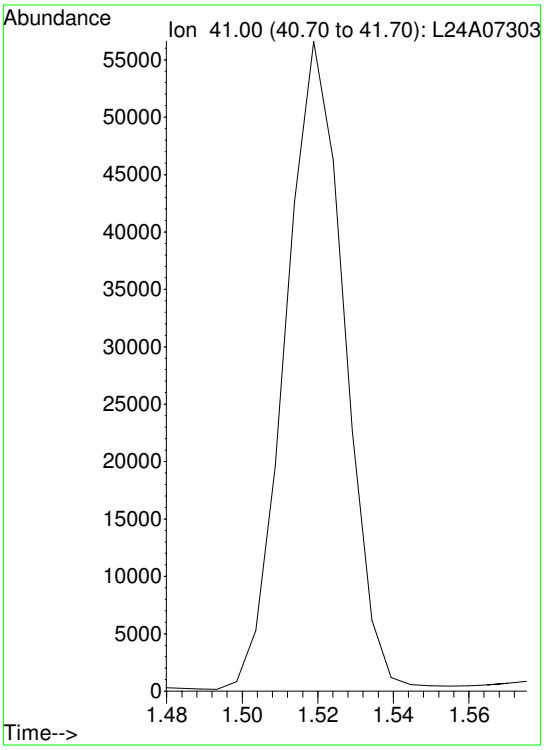
RT : 1.52
Area : 61502
Amount: 5.86083

Manual Int. Results

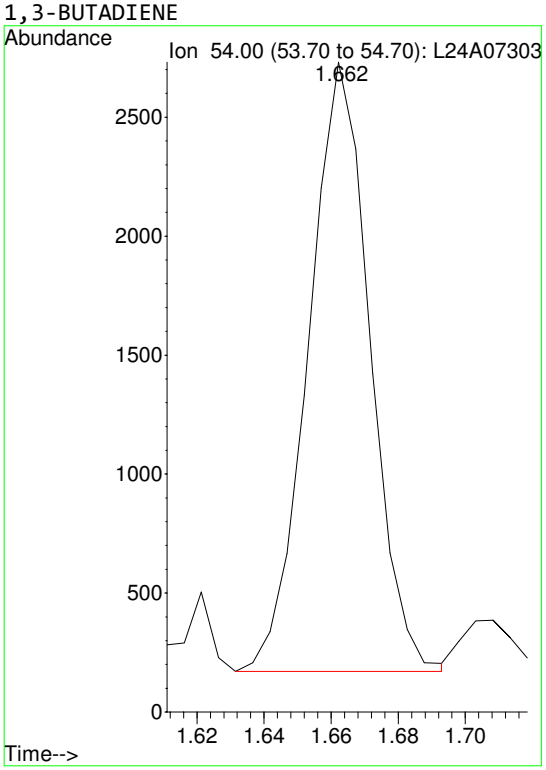
Fri Mar 15 11:14:38 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

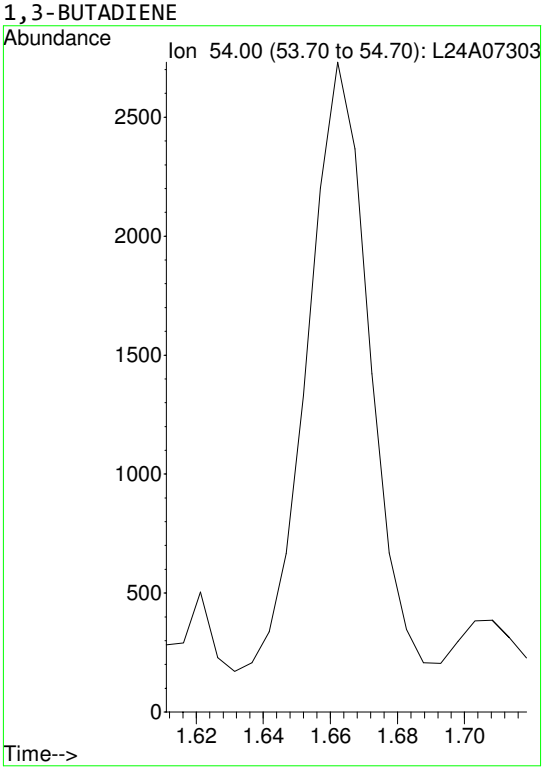
RT : 1.66
Area : 3265
Amount: 0.230058

Manual Int. Results

Fri Mar 15 11:14:44 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

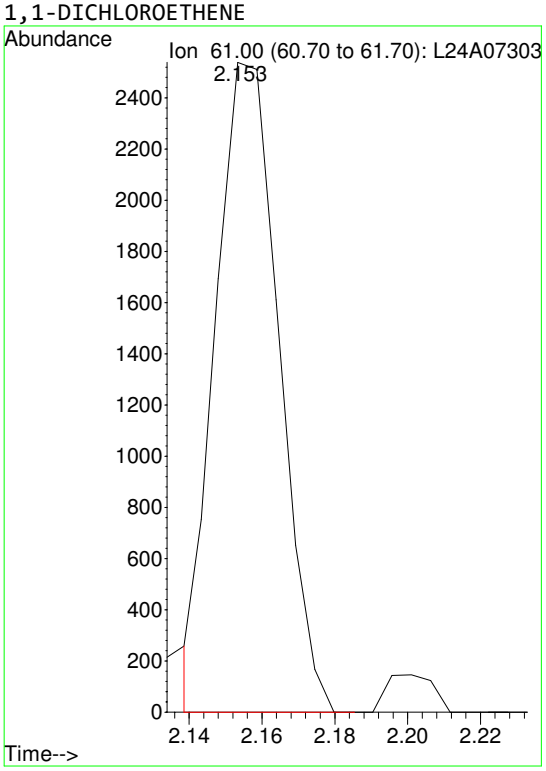
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

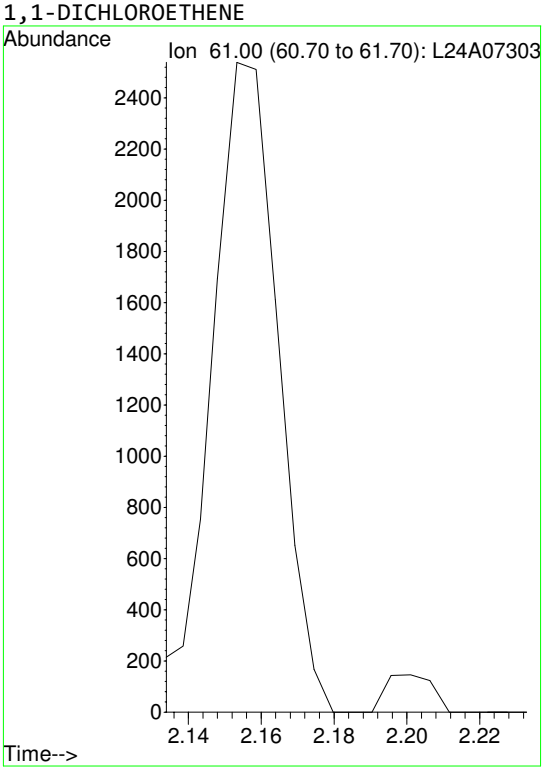
RT : 2.15
Area : 3078
Amount: 0.106046

Manual Int. Results

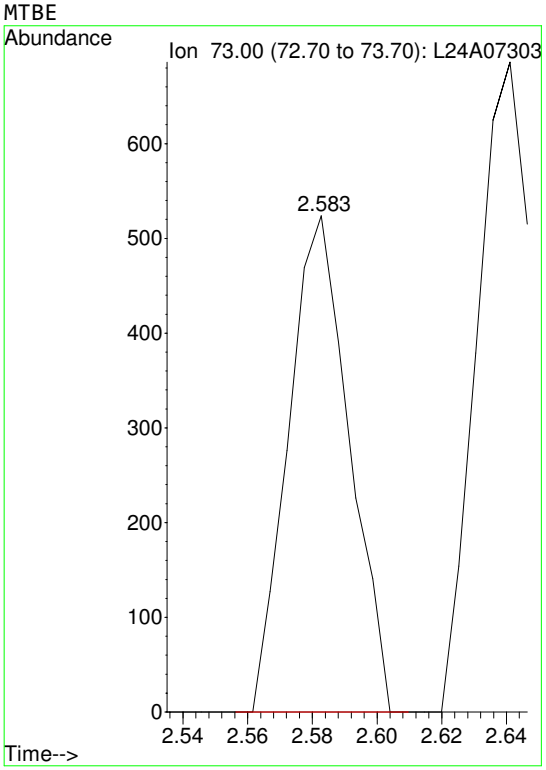
Fri Mar 15 11:14:57 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
MTBE



Original Int. Results

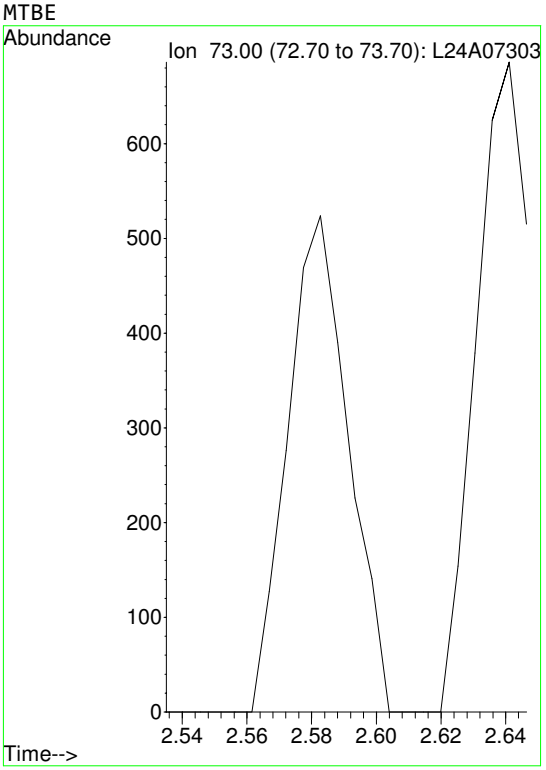
RT : 2.58
Area : 685
Amount: 0.012484

Manual Int. Results

Fri Mar 15 11:15:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

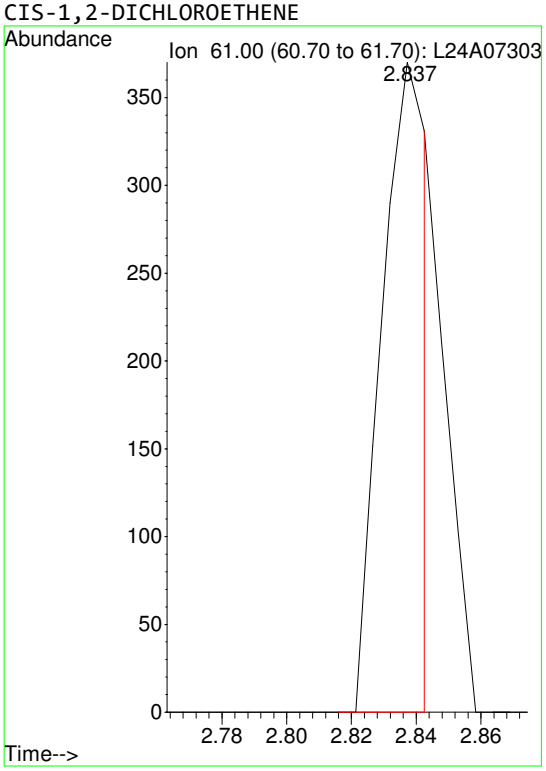
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

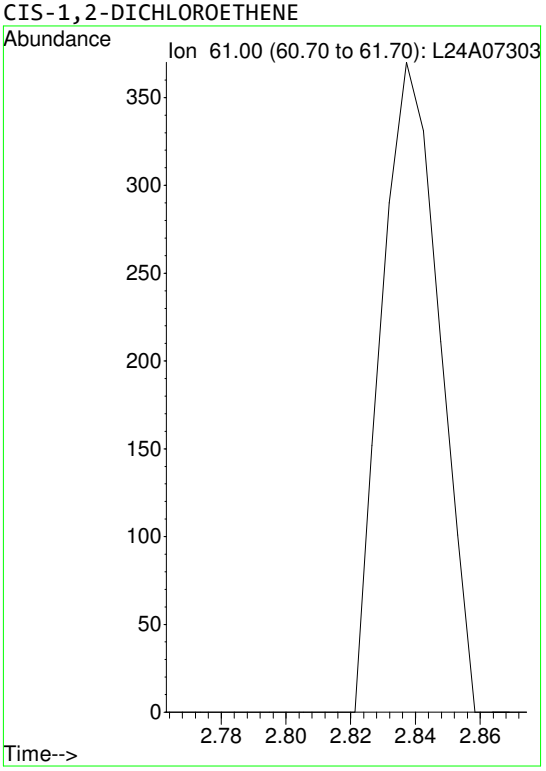
RT : 2.84
Area : 363
Amount: 0.0155092

Manual Int. Results

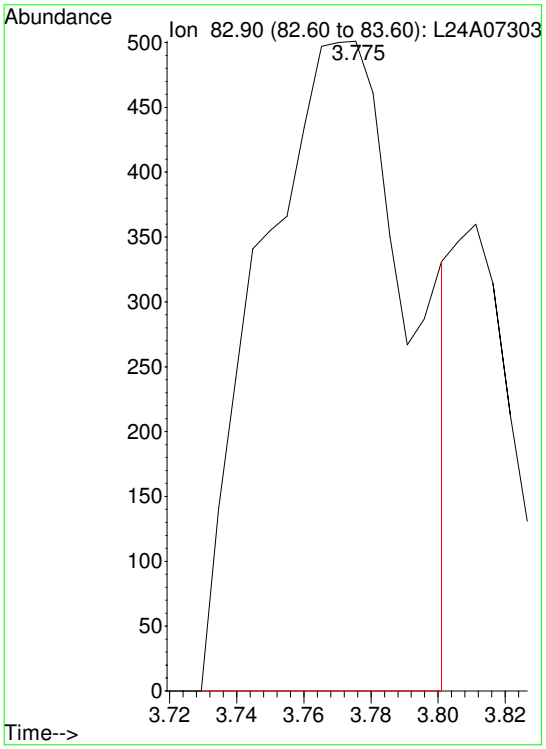
Fri Mar 15 11:15:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,2-DICHLOROETHENE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

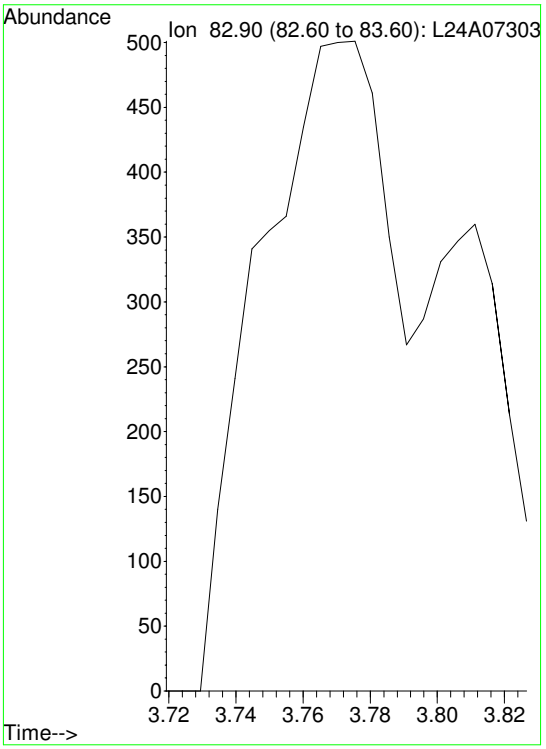
RT : 3.78
Area : 1555
Amount: 0.035678

Manual Int. Results

Fri Mar 15 11:15:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

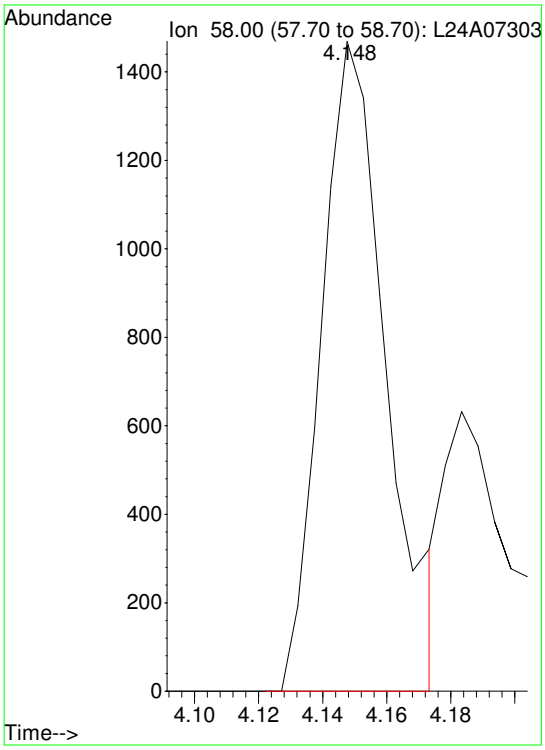
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

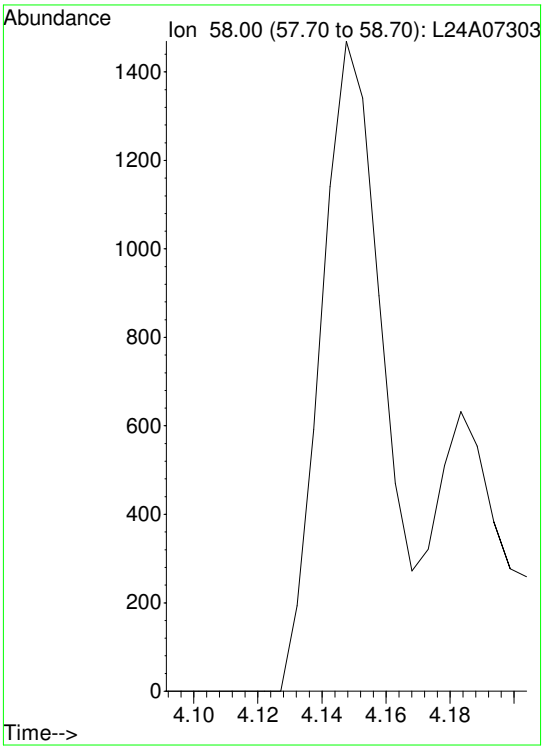
RT : 4.15
Area : 2054
Amount: 0.108665

Manual Int. Results

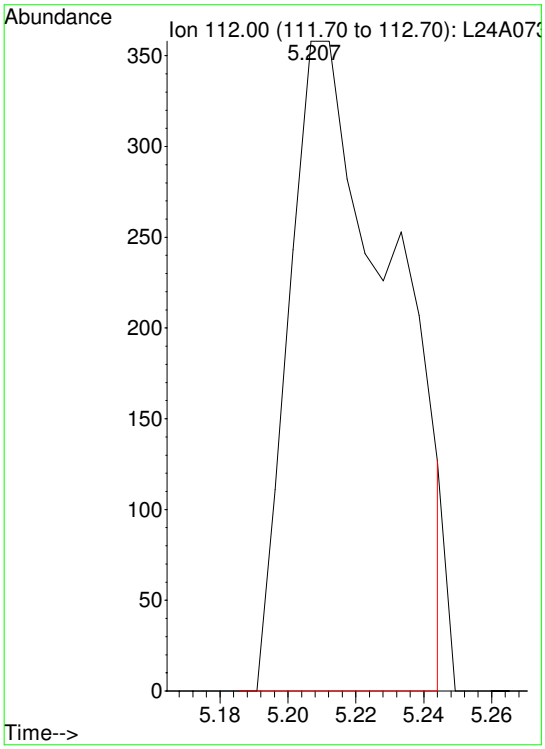
Fri Mar 15 11:16:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
CHLOROBENZENE



Original Int. Results

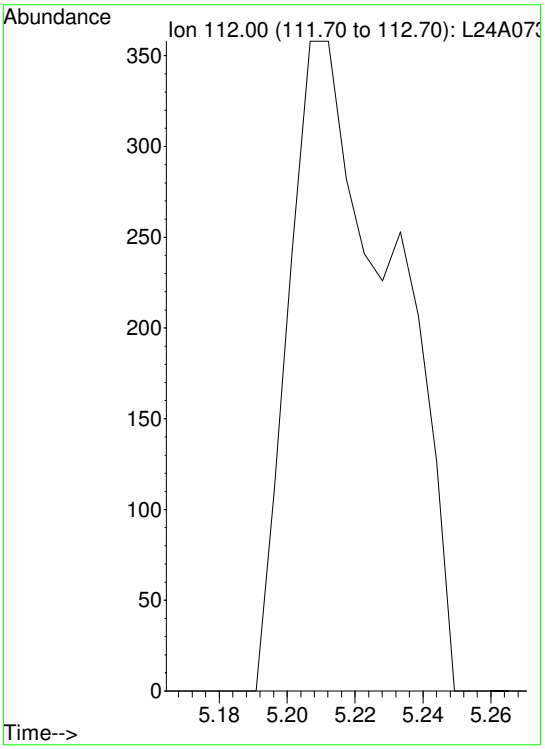
RT : 5.21
Area : 766
Amount: 0.0149173

Manual Int. Results

Fri Mar 15 11:16:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

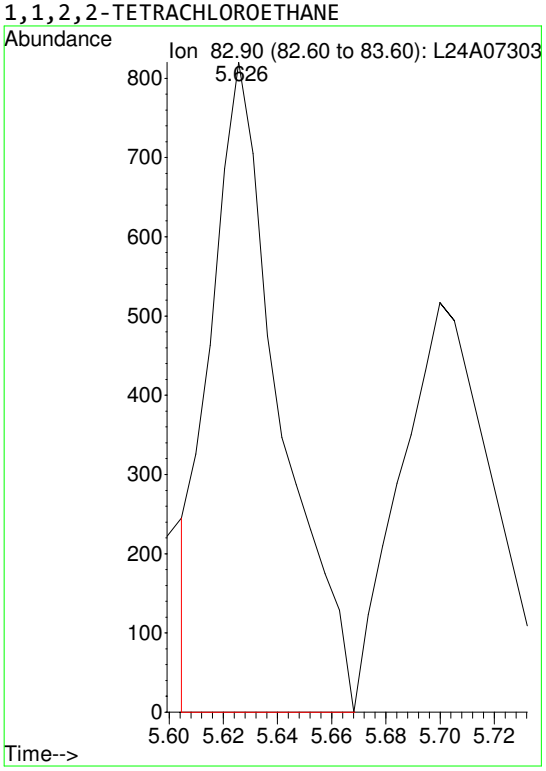
Manual Integration
CHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

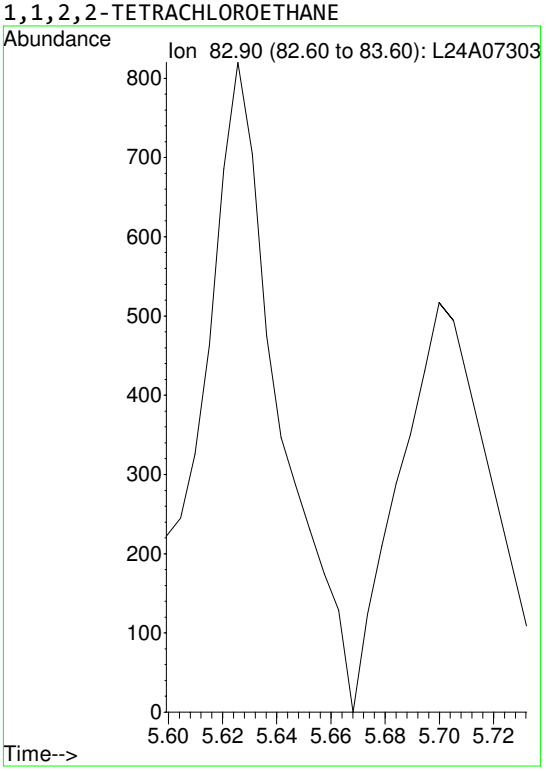
RT : 5.63
Area : 1478
Amount: 0.0303889

Manual Int. Results

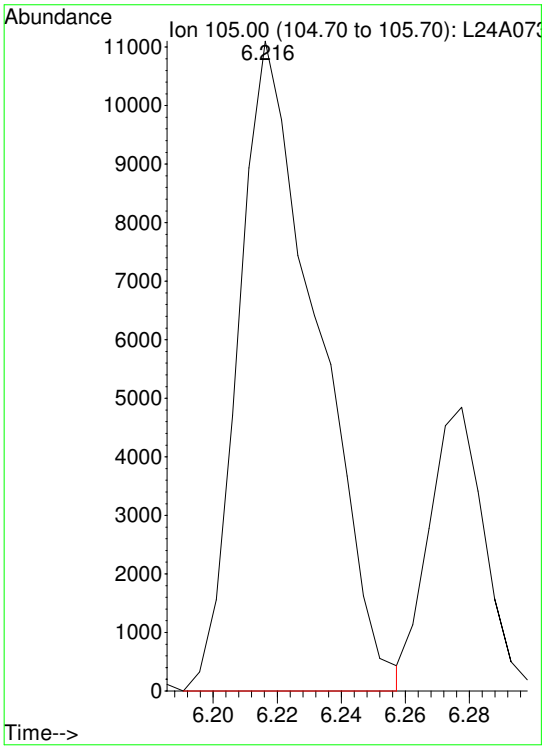
Fri Mar 15 11:16:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

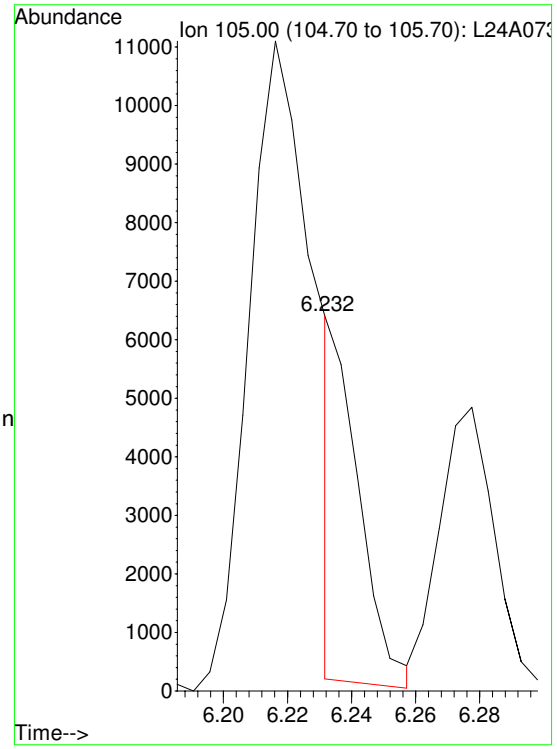
RT : 6.22
Area : 19065
Amount: 0.214948

Manual Int. Results

Fri Mar 15 11:16:19 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 3450
Amount: 0.038897

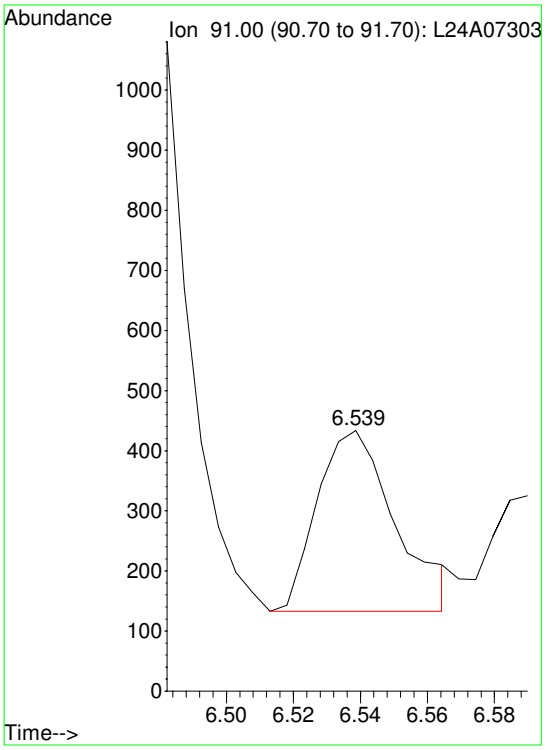
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BENZYL CHLORIDE



Original Int. Results

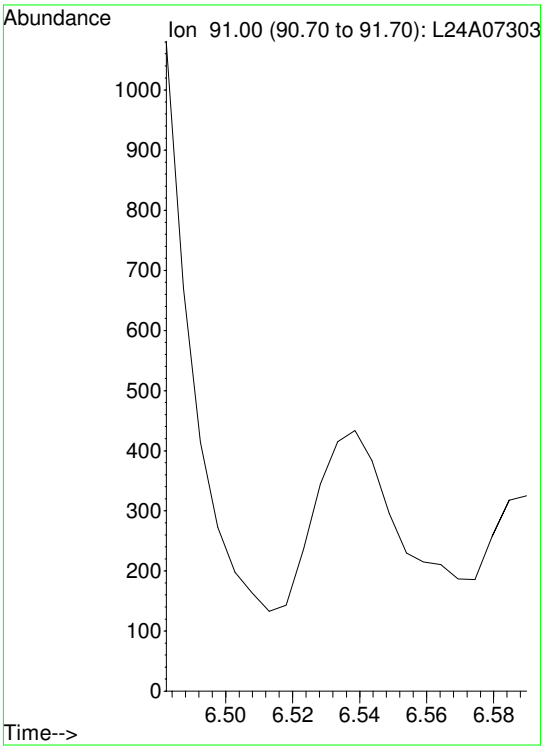
RT : 6.54
Area : 485
Amount: 0.0104601

Manual Int. Results

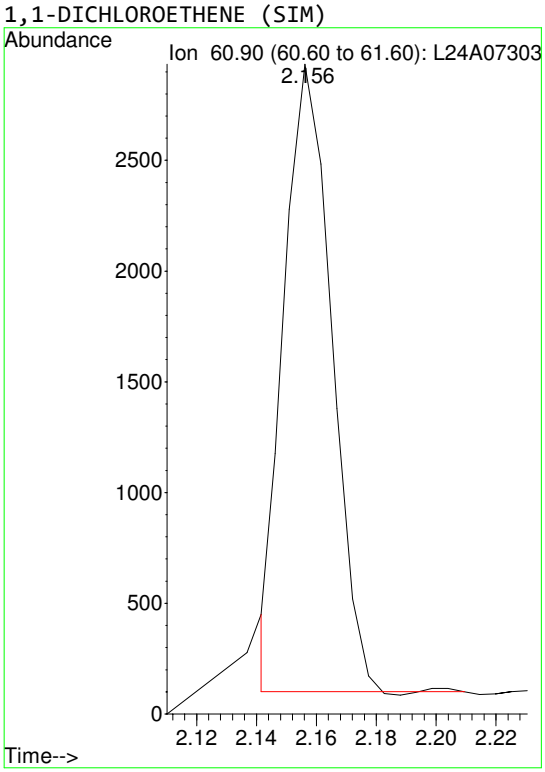
Fri Mar 15 11:16:23 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

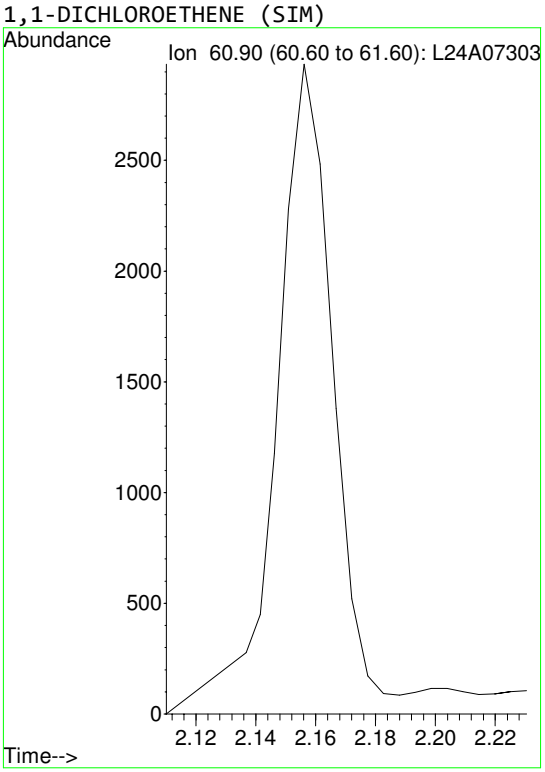
RT : 2.16
Area : 3200
Amount: 0.100152

Manual Int. Results

Fri Mar 15 11:16:30 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

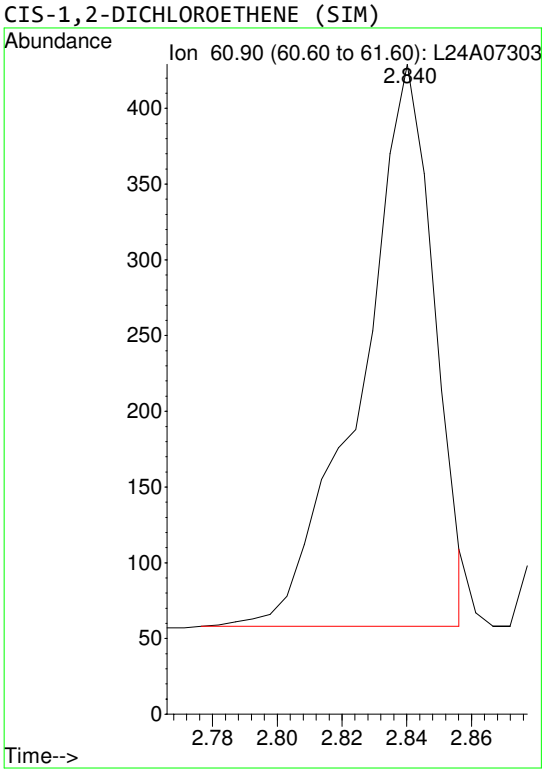
Manual Integration
1,1-DICHLOROETHENE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CIS-1,2-DICHLOROETHENE (SIM)



Original Int. Results

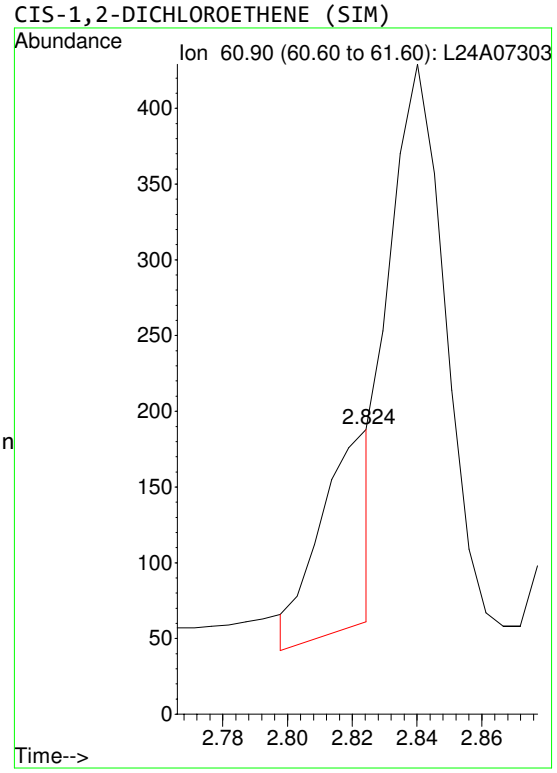
RT : 2.84
Area : 579
Amount: 0.0221914

Manual Int. Results

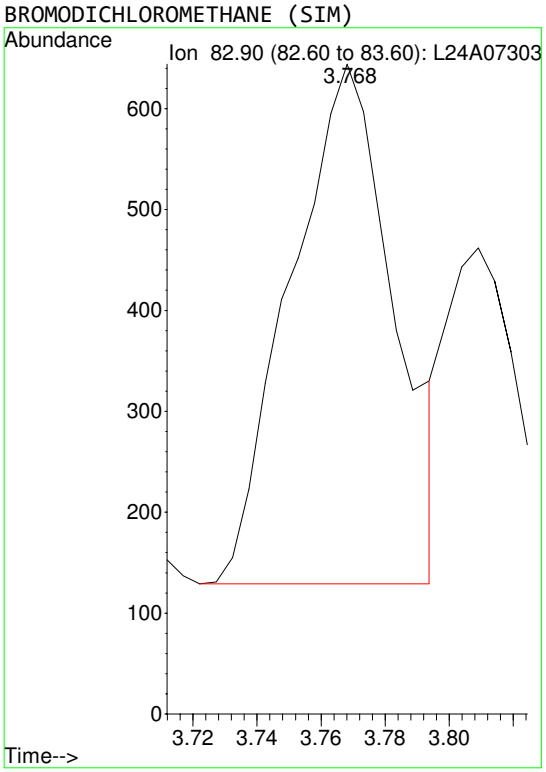
Fri Mar 15 11:16:42 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.82
Area : 144
Amount: 0.00551911

Manual Integration
CIS-1,2-DICHLOROETHENE (SIM)



Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

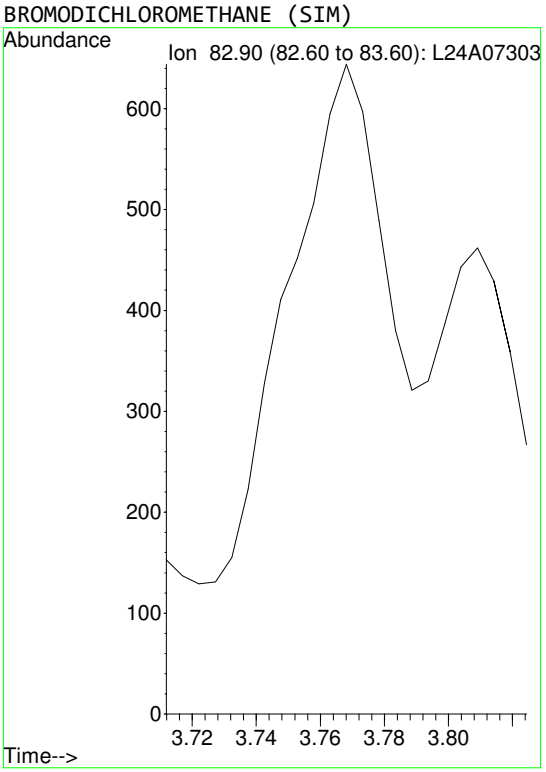
RT : 3.77
Area : 1152
Amount: 0.0240216

Manual Int. Results

Fri Mar 15 11:16:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

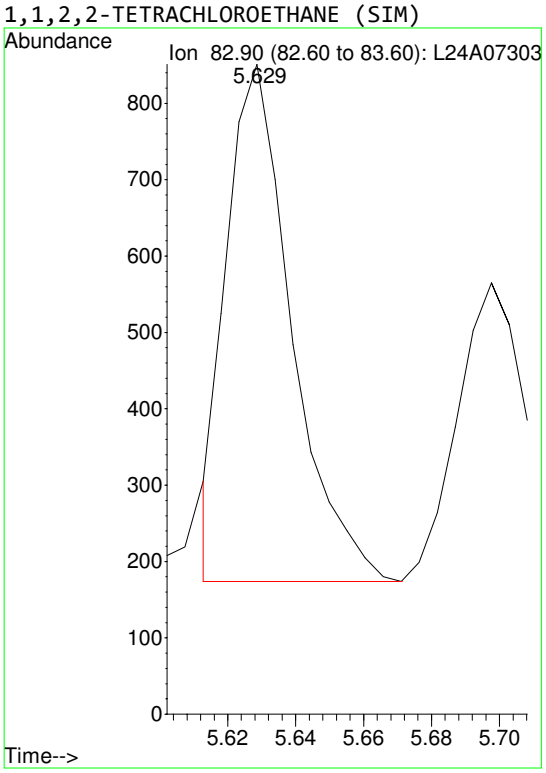
Manual Integration
BROMODICHLOROMETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073032.D
Acq On : 14 Mar 2024 01:56 am
Operator : CMR
Sample : 24C0251-08 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:16:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

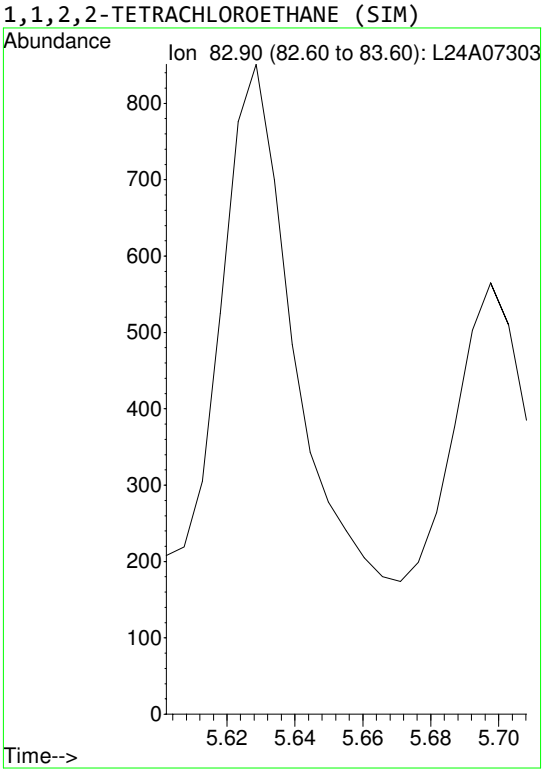
RT : 5.63
Area : 905
Amount: 0.016992

Manual Int. Results

Fri Mar 15 11:16:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

5AVE-OA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Ambient Air	Laboratory ID:	24C0251-09	File ID:	L24A073033.D
Sampled:	02/28/24 18:22	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 02:29
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	4.6	0.71	1.4	
71-43-2	Benzene	0.066	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)	0.011	0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane		0.030	0.035	
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	1.1	0.68	1.4	J
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.082	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.073	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.050	0.017	0.035	
67-66-3	Chloroform (SIM)	0.051	0.0018	0.0070	
74-87-3	Chloromethane	0.56	0.047	0.070	
110-82-7	Cyclohexane	0.033	0.027	0.035	J
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene		0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.74	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.026	0.013	0.035	J
107-62-2	1,2-Dichloroethane (SIM)	0.028	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-OA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Ambient Air	Laboratory ID:	24C0251-09	File ID:	L24A073033.D
Sampled:	02/28/24 18:22	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 02:29
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)	0.010	0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.019	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	47	0.93	1.4	E
141-78-6	Ethyl Acetate	0.67	0.14	0.35	
100-41-4	Ethylbenzene		0.012	0.035	
622-96-8	4-Ethyltoluene		0.015	0.035	
142-82-5	Heptane		0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.035	
67-63-0	Isopropanol	11	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.12	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene		0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene		0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

5AVE-OA-1-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Ambient Air	Laboratory ID:	24C0251-09	File ID:	L24A073033.D
Sampled:	02/28/24 18:22	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 02:29
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran		0.13	0.35	
108-88-3	Toluene		0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.22	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.082	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene		0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene		0.027	0.035	
108-05-4	Vinyl Acetate		0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene		0.024	0.070	
95-47-6	o-Xylene		0.013	0.035	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073033.D Vial: 29
Acq On : 14 Mar 2024 02:29 am Operator: CMR
Sample : 24C0251-09 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:02 2024

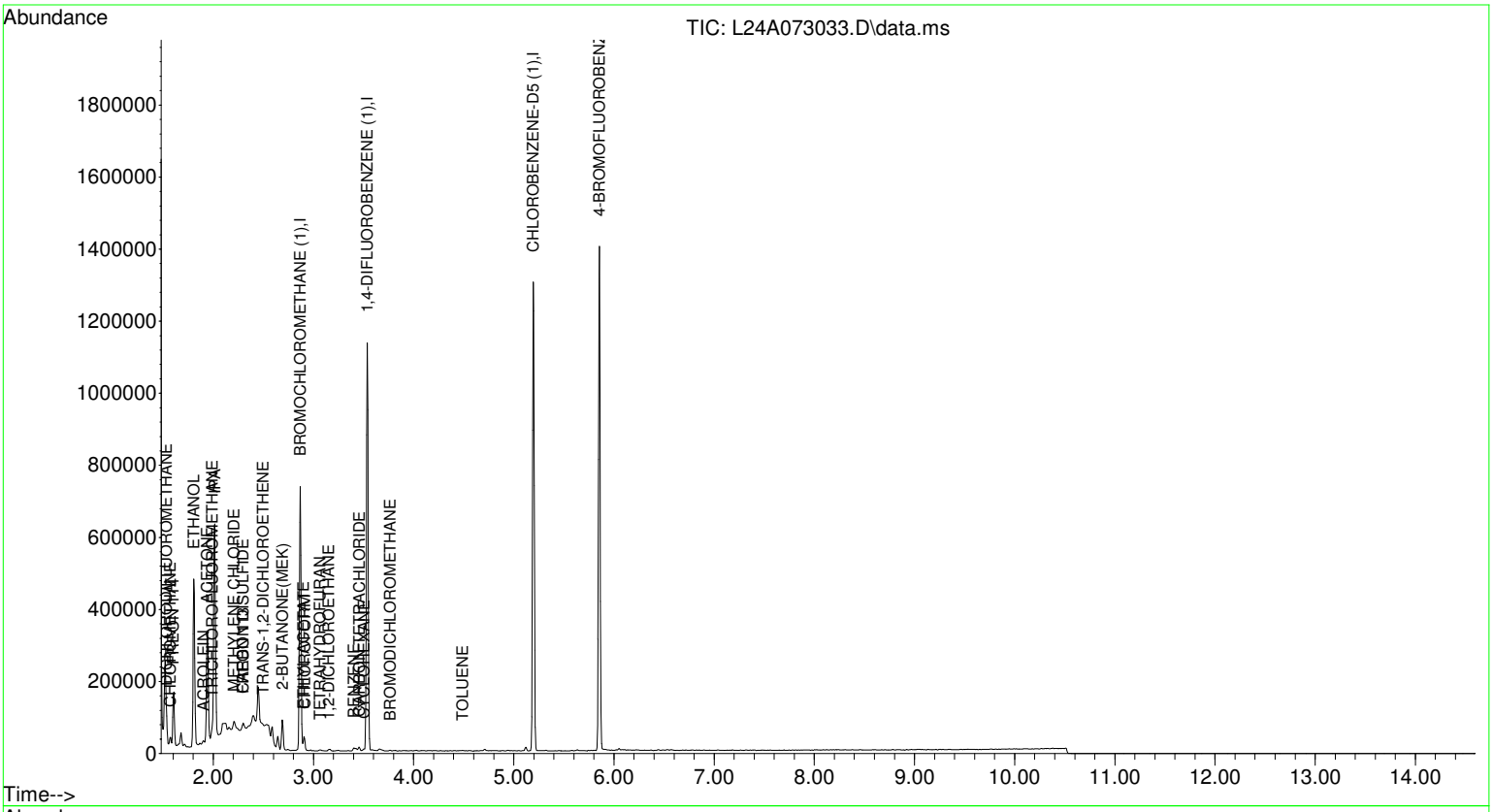
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073033.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

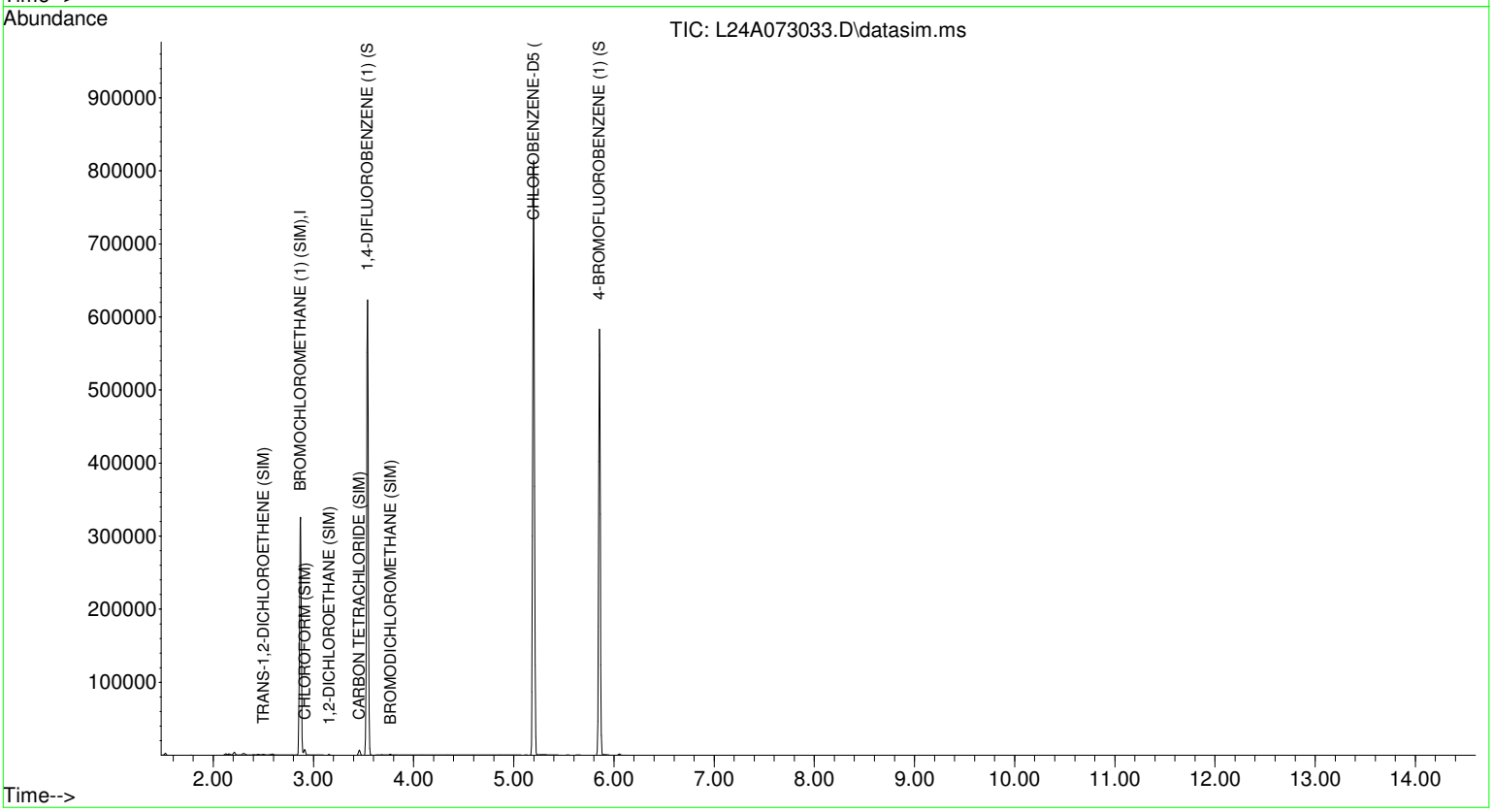
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.869	49	208377	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.537	114	607165	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.194	117	547385	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	225088	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	646656	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	603912	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	277254	7.359	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.00%				
87) 4-BROMOFLUOROBENZENE (...	5.853	174	292677	7.570	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.63%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	48647	1.056	PPBV		98
4) CHLOROMETHANE	1.570	50	12700	0.799	PPBV		97
5) FREON 114	1.601	85	1268	0.027	PPBV		96
10) ACROLEIN	1.902	56	5358	0.648	PPBV		92
11) ACETONE	1.938	43	192178	6.574	PPBV	#	57
12) TRICHLOROFLUOROMETHANE	1.989	101	15205	0.321	PPBV		97
13) ETHANOL	1.805	45	300945	66.692	PPBV		99
15) METHYLENE CHLORIDE	2.206	49	3768	0.166	PPBV		89
16) FREON 113	2.297	101	4372	0.117	PPBV		94
17) CARBON DISULFIDE	2.297	76	1437	0.027	PPBV	#	40
18) TRANS-1,2-DICHLOROETHENE	2.498	61	453	0.015	PPBV	#	33
21) IPA	2.015	45	490746	15.957	PPBV		96
22) 2-BUTANONE(MEK)	2.689	43	58825	1.635	PPBV		82
26) ETHYL ACETATE	2.901	45	5994	0.963	PPBV	#	63
27) CHLOROFORM	2.911	83	2694	0.072	PPBV		92
28) TETRAHYDROFURAN	3.065	42	1815	0.076	PPBV	#	50
29) 1,2-DICHLOROETHANE	3.152	62	939	0.037	PPBV		96
32) BENZENE	3.405	78	5227	0.095	PPBV		85
33) CARBON TETRACHLORIDE	3.458	117	4591	0.118	PPBV		86
34) CYCLOHEXANE	3.505	84	1079	0.047	PPBV		92
36) BROMODICHLOROMETHANE	3.764	83	866	0.020	PPBV	#	87
46) TOLUENE	4.489	91	676	0.011	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.501	61	474	0.015	PPBV		80
75] CHLOROFORM (SIM)	2.914	83	2906	0.073	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.155	62	1043	0.040	PPBV		100
78] CARBON TETRACHLORIDE (...	3.455	117	4465	0.104	PPBV		99
80] BROMODICHLOROMETHANE (...	3.767	83	748	0.016	PPBV		99

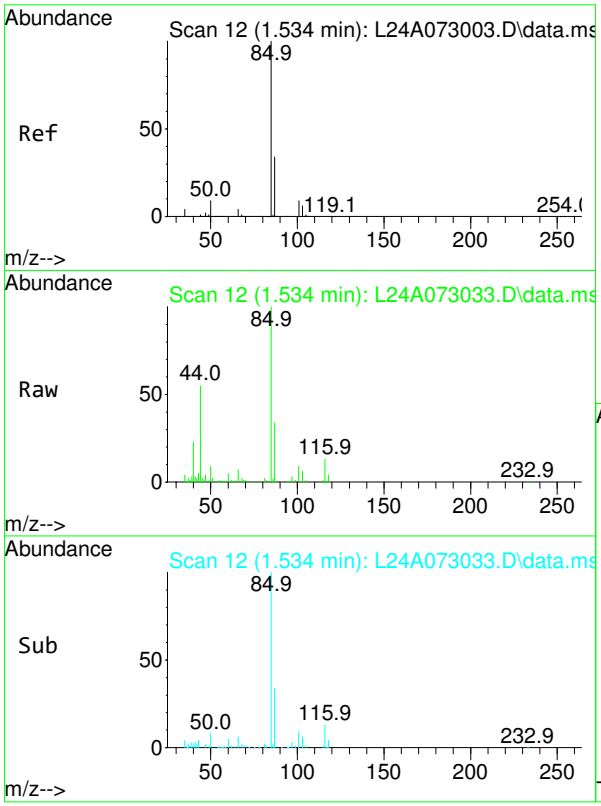
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073033.D Vial: 29
Acq On : 14 Mar 2024 02:29 am Operator: CMR
Sample : 24C0251-09 0.7X Inst : SYSL
Misc : 1.5,1,200,430,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:02 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073033.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



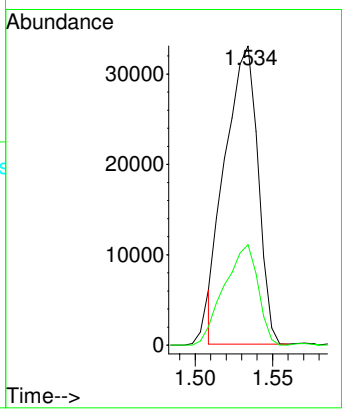


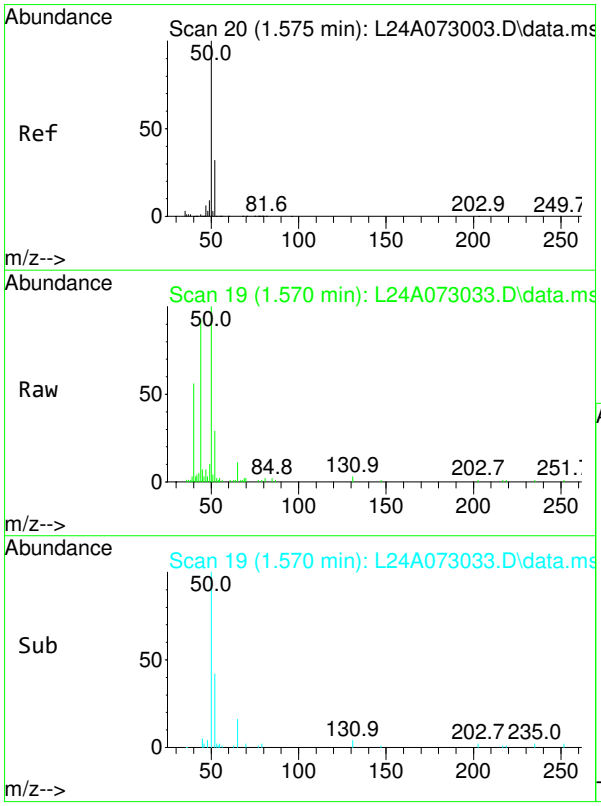


#3
DICHLORODIFLUOROMETHANE
Concen: 1.06 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 85 Resp: 48647

Ion	Ratio	Lower	Upper
85	100		
87	33.0	12.0	52.0

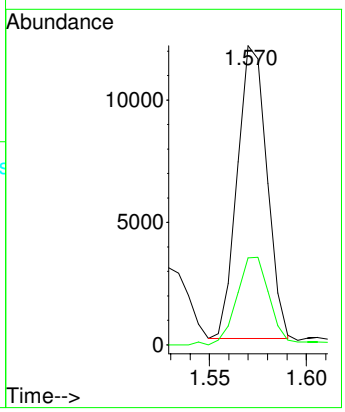


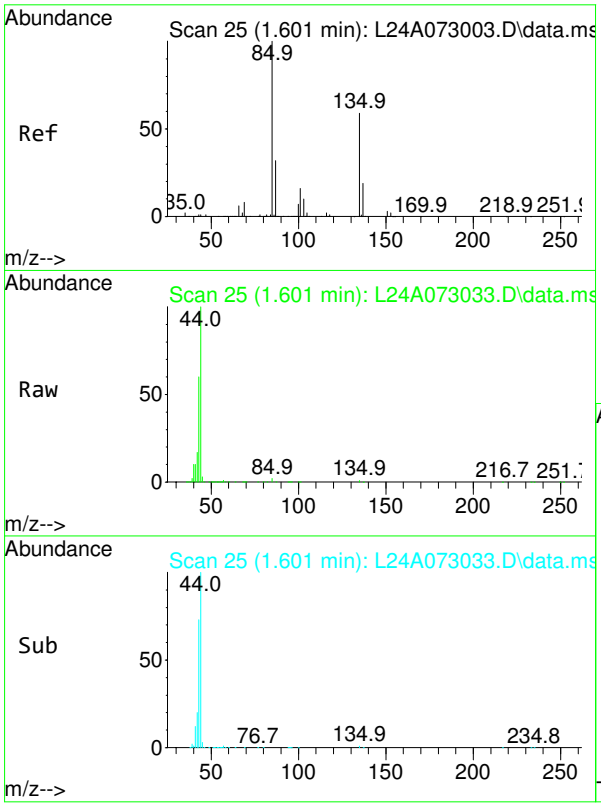


#4
CHLOROMETHANE
Concen: 0.80 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 50 Resp: 12700

Ion	Ratio	Lower	Upper
50	100		
52	32.7	11.2	51.2

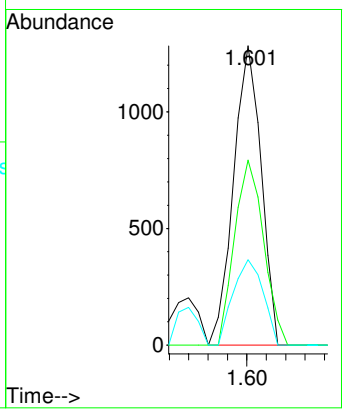


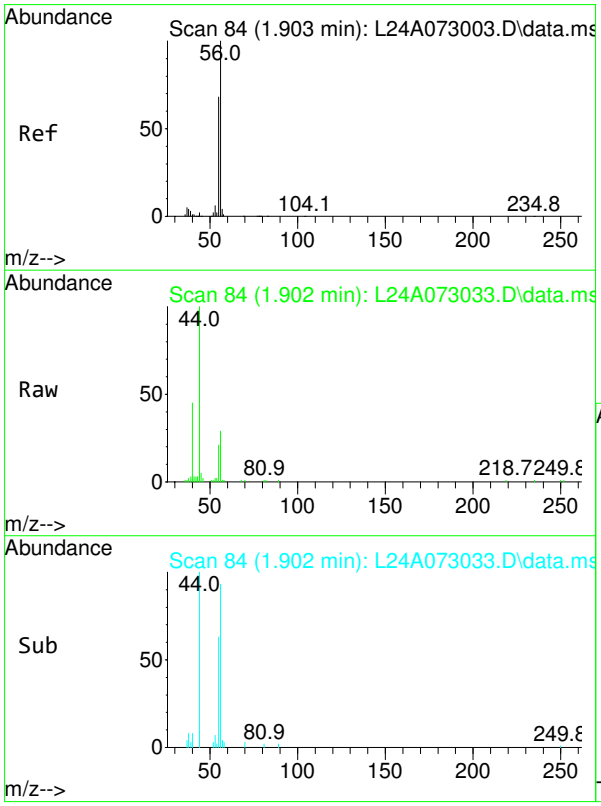


#5
FREON 114
Concen: 0.03 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 85 Resp: 1268

Ion	Ratio	Lower	Upper
85	100		
135	65.2	41.5	81.5
87	30.9	12.1	52.1

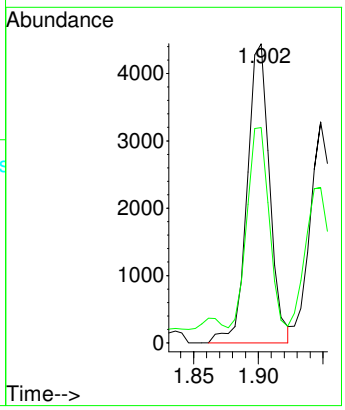


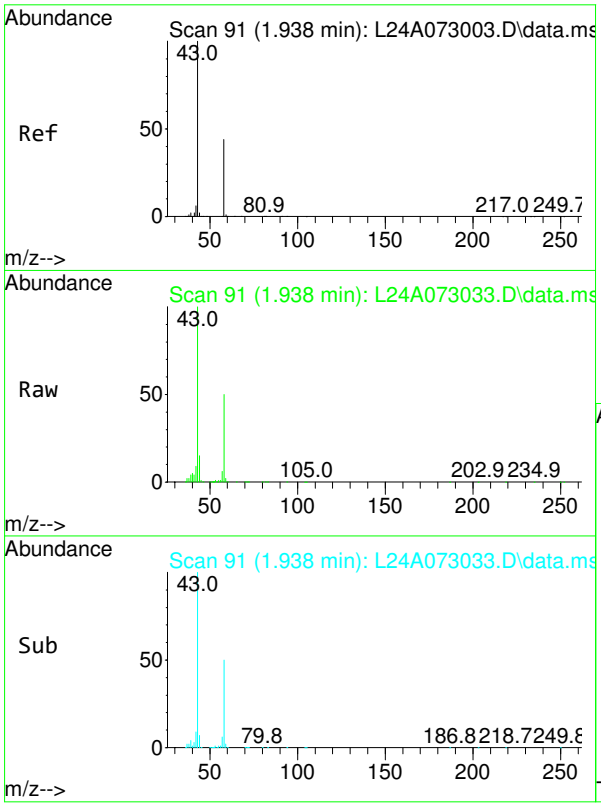


#10
ACROLEIN
Concen: 0.65 PPBV
RT: 1.902 min Scan# 84
Delta R.T. -0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 56 Resp: 5358

Ion	Ratio	Lower	Upper
56	100		
55	64.6	51.4	91.4

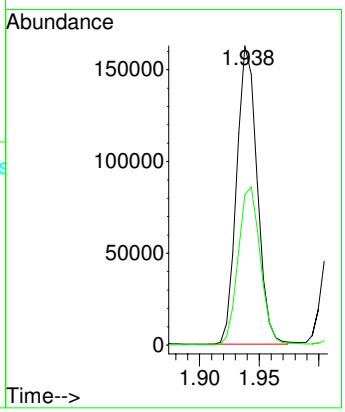


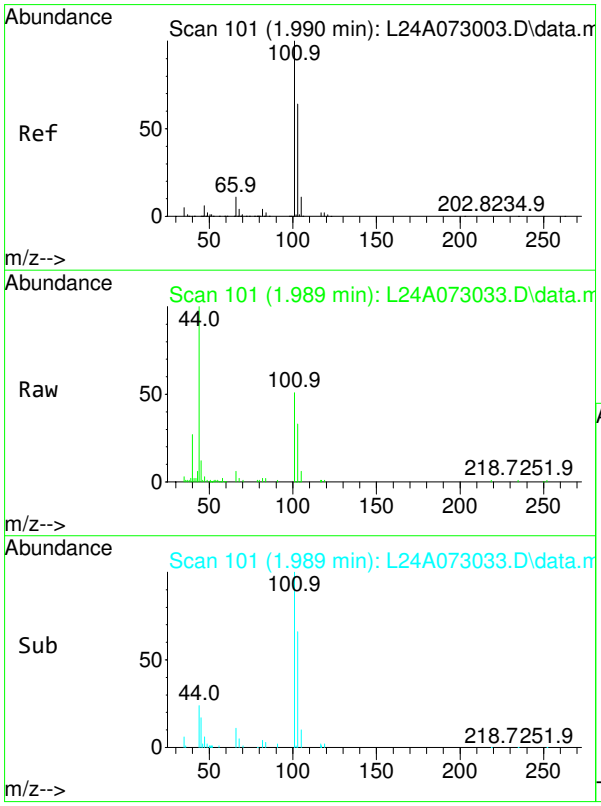


#11
ACETONE
Concen: 6.57 PPBV
RT: 1.938 min Scan# 91
Delta R.T. -0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 43 Resp: 192178

Ion	Ratio	Lower	Upper
43	100		
58	57.2	13.1	53.1#

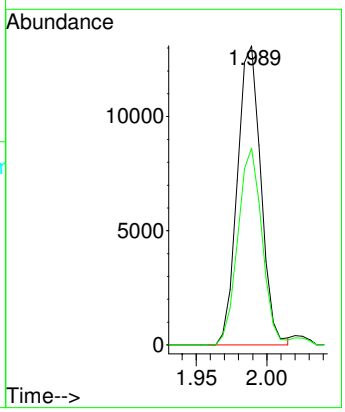


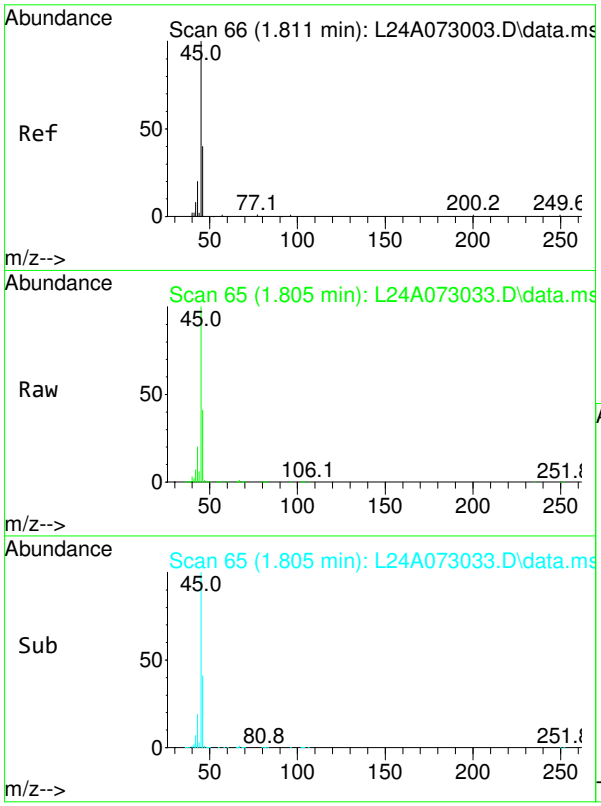


#12
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:101 Resp: 15205

Ion	Ratio	Lower	Upper
101	100		
103	67.4	44.7	84.7

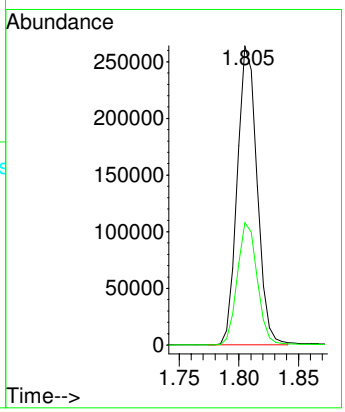


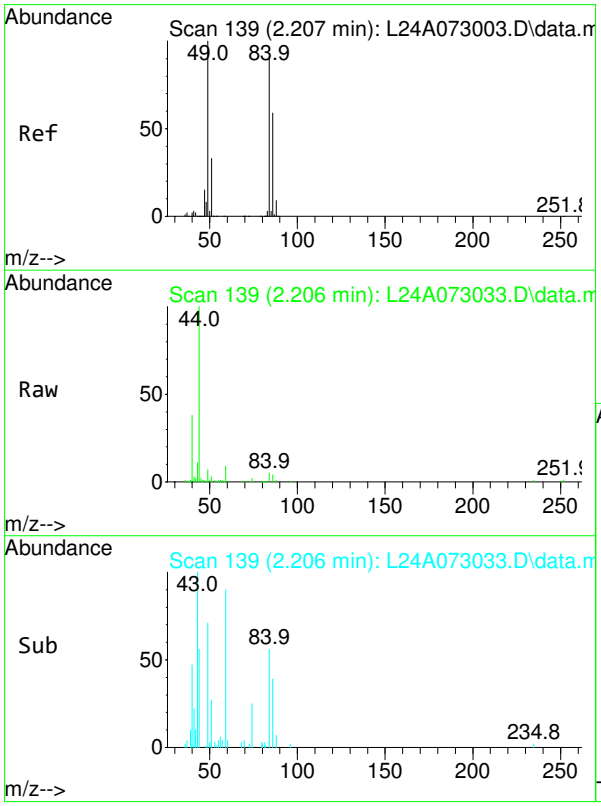


#13
ETHANOL
Concen: 66.69 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 45 Resp: 300945

Ion	Ratio	Lower	Upper
45	100		
46	41.0	20.5	60.5

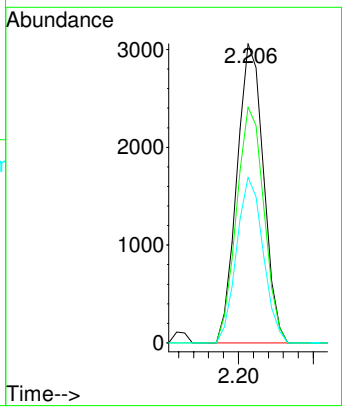


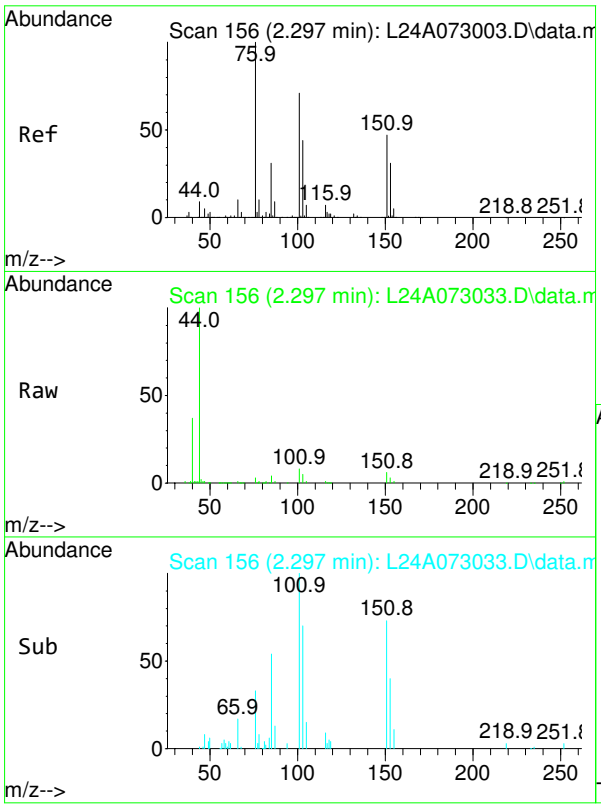


#15
METHYLENE CHLORIDE
Concen: 0.17 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 49 Resp: 3768

Ion	Ratio	Lower	Upper
49	100		
84	81.1	52.0	92.0
86	55.1	27.3	67.3

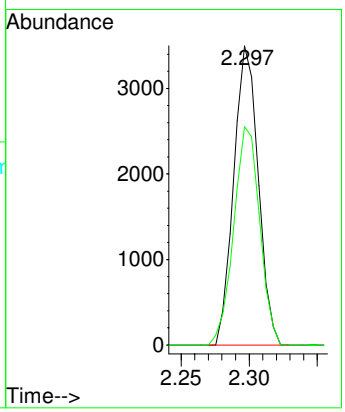


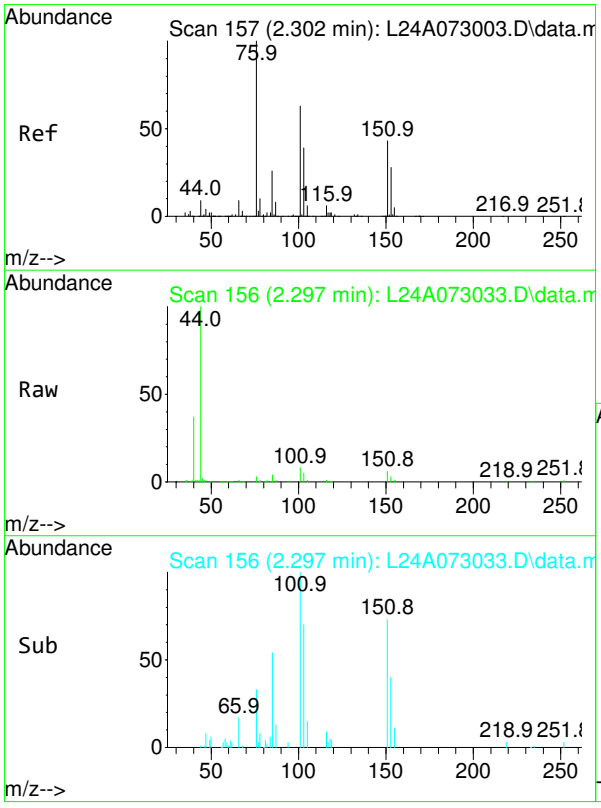


#16
FREON 113
Concen: 0.12 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:101 Resp: 4372

Ion	Ratio	Lower	Upper
101	100		
151	77.6	52.3	92.3

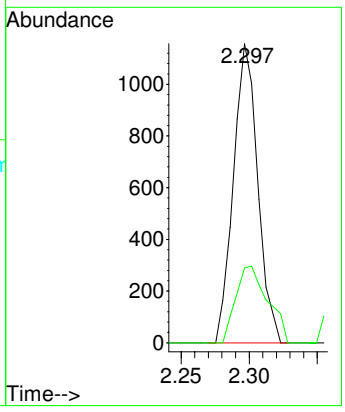


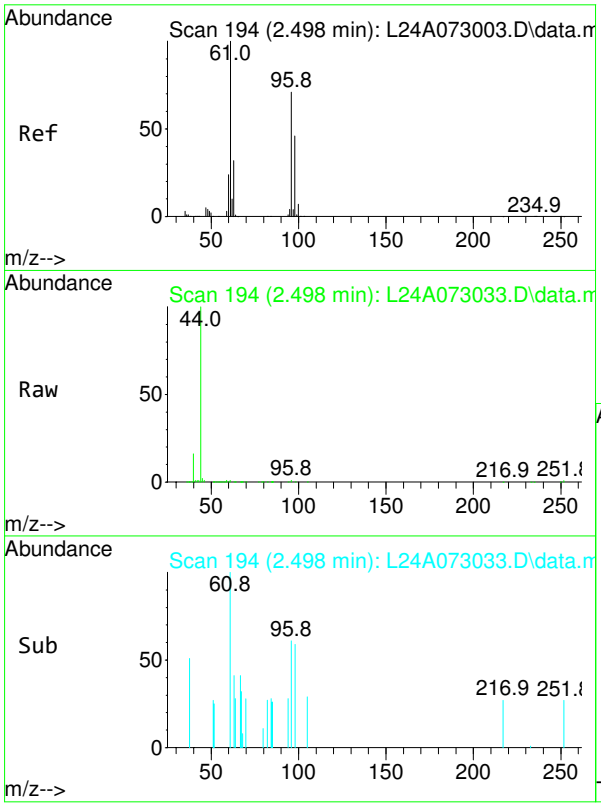


#17
CARBON DISULFIDE
Concen: 0.03 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 76 Resp: 1437

Ion	Ratio	Lower	Upper
76	100		
78	33.8	0.0	31.1#

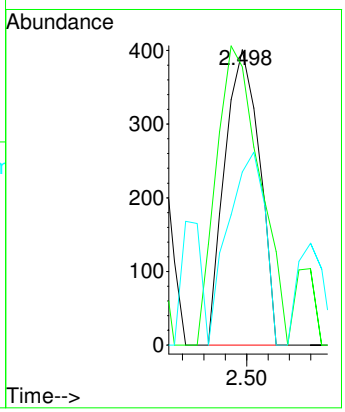


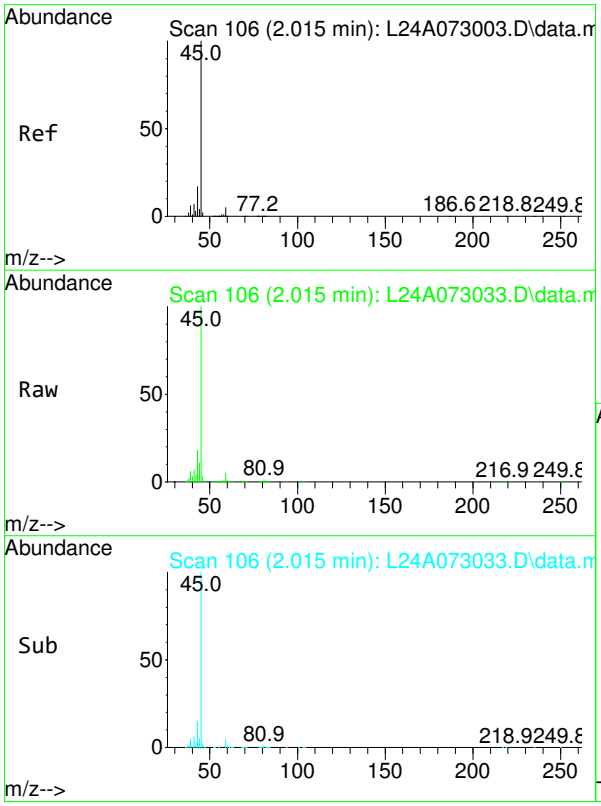


#18
TRANS-1,2-DICHLOROETHENE
Concen: 0.02 PPBV
RT: 2.498 min Scan# 194
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 61 Resp: 453

Ion	Ratio	Lower	Upper
61	100		
96	126.5	43.9	83.9#
98	69.3	20.5	60.5#

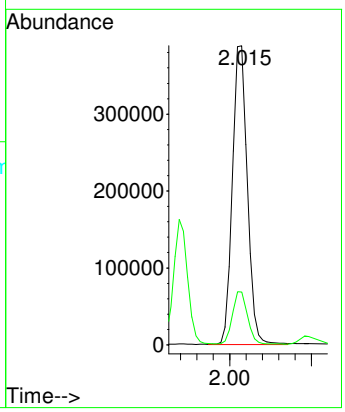


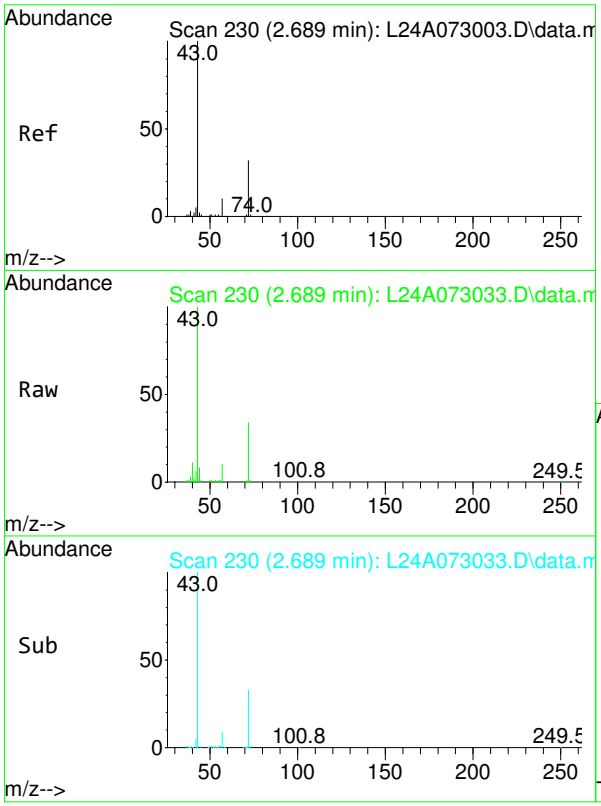


#21
IPA
Concen: 15.96 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 45 Resp: 490746

Ion	Ratio	Lower	Upper
45	100		
43	17.6	0.0	39.3

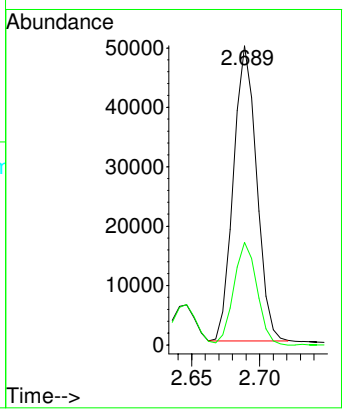


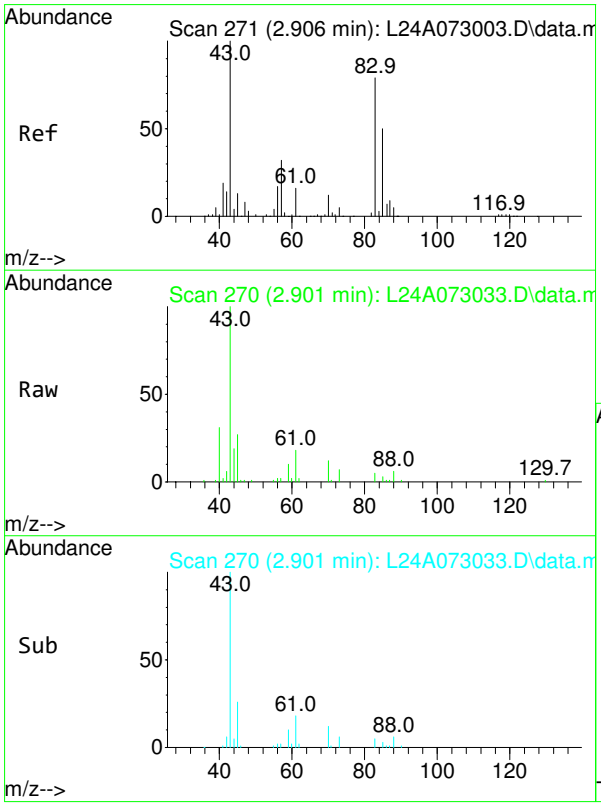


#22
2-BUTANONE(MEK)
Concen: 1.63 PPBV
RT: 2.689 min Scan# 230
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 43 Resp: 58825

Ion	Ratio	Lower	Upper
43	100		
72	34.9	5.6	45.6

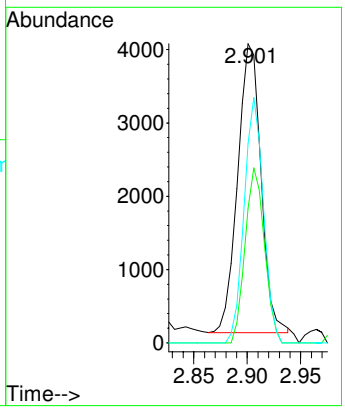


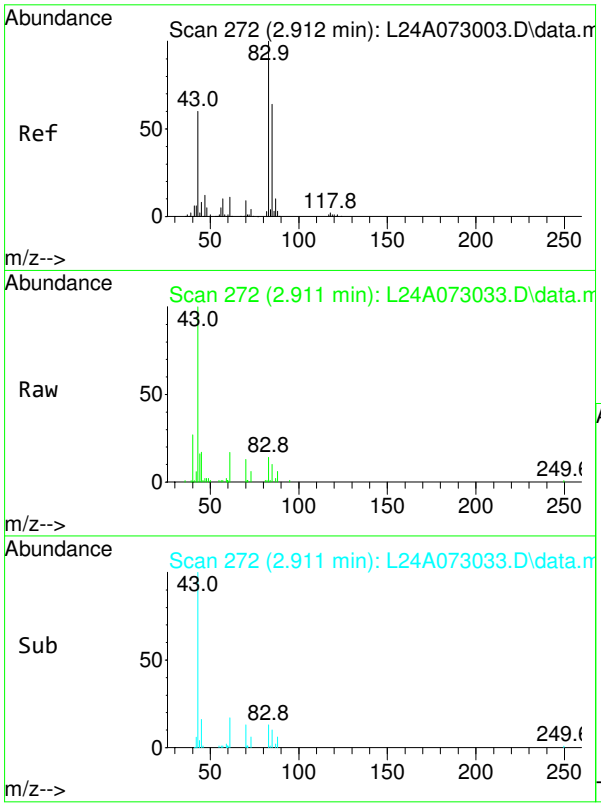


#26
ETHYL ACETATE
Concen: 0.96 PPBV
RT: 2.901 min Scan# 270
Delta R.T. -0.003 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 45 Resp: 5994

Ion	Ratio	Lower	Upper
45	100		
70	50.1	68.8	108.8#
61	70.0	83.3	123.3#

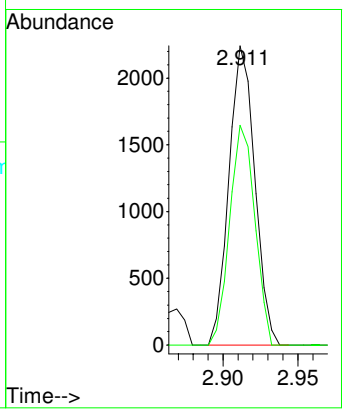


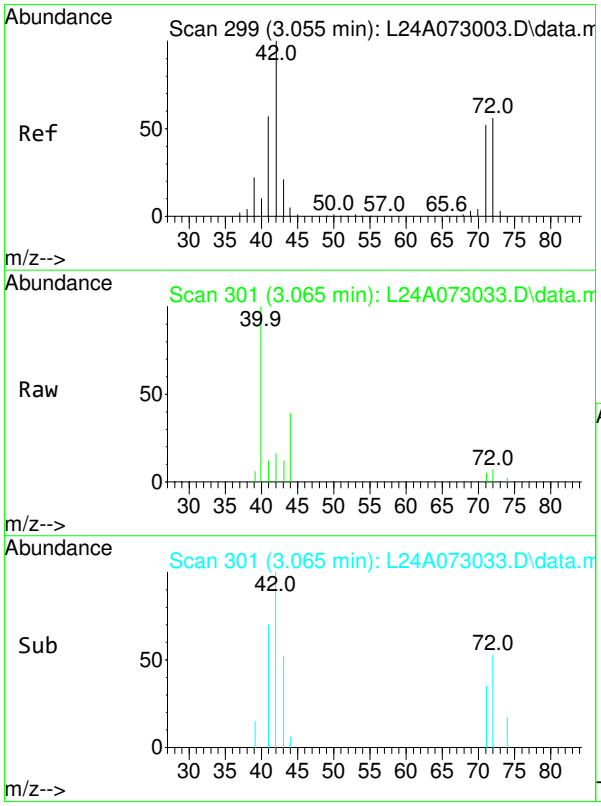


#27
CHLOROFORM
Concen: 0.07 PPBV
RT: 2.911 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 2694

Ion	Ratio	Lower	Upper
83	100		
85	71.4	44.8	84.8

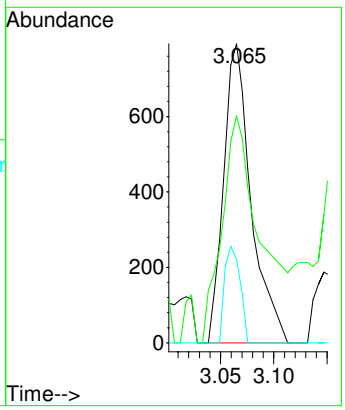


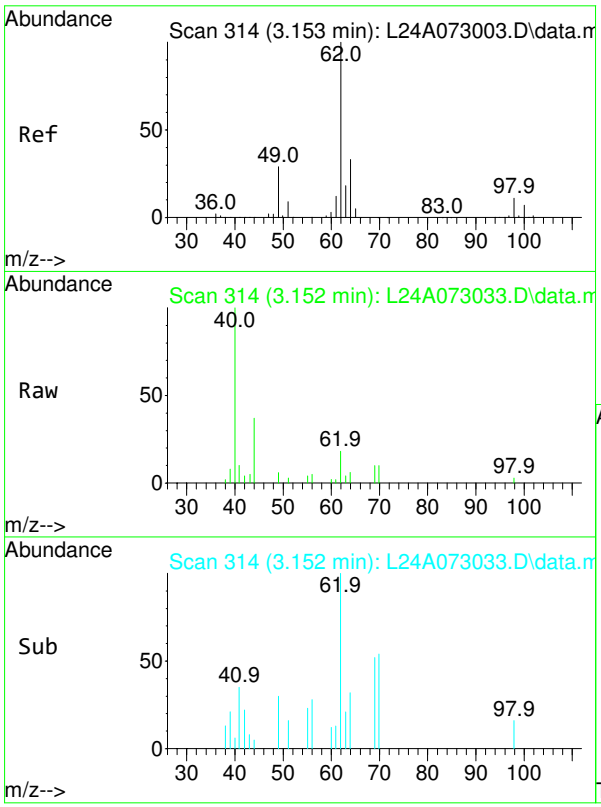


#28
TETRAHYDROFURAN
Concen: 0.08 PPBV
RT: 3.065 min Scan# 301
Delta R.T. 0.014 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 42 Resp: 1815

Ion	Ratio	Lower	Upper
42	100		
41	91.3	33.5	73.5#
71	14.2	24.0	64.0#

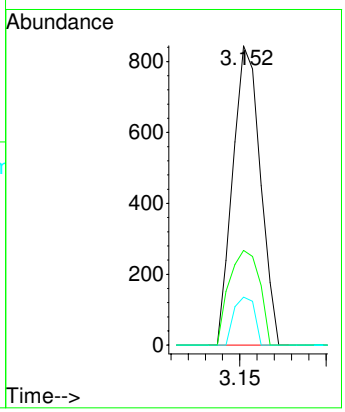


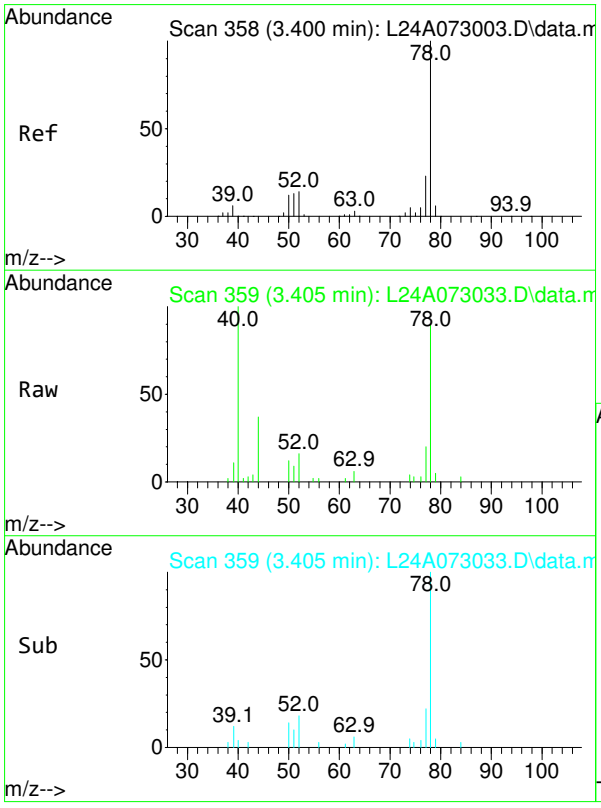


#29
1,2-DICHLOROETHANE
Concen: 0.04 PPBV
RT: 3.152 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 62 Resp: 939

Ion	Ratio	Lower	Upper
62	100		
64	34.8	13.0	53.0
98	12.0	0.0	19.3

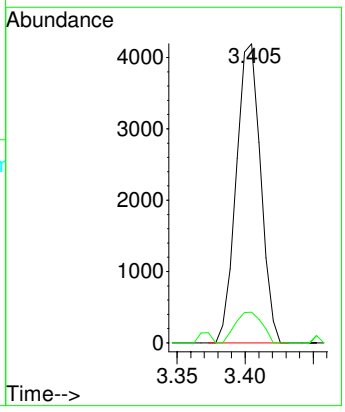


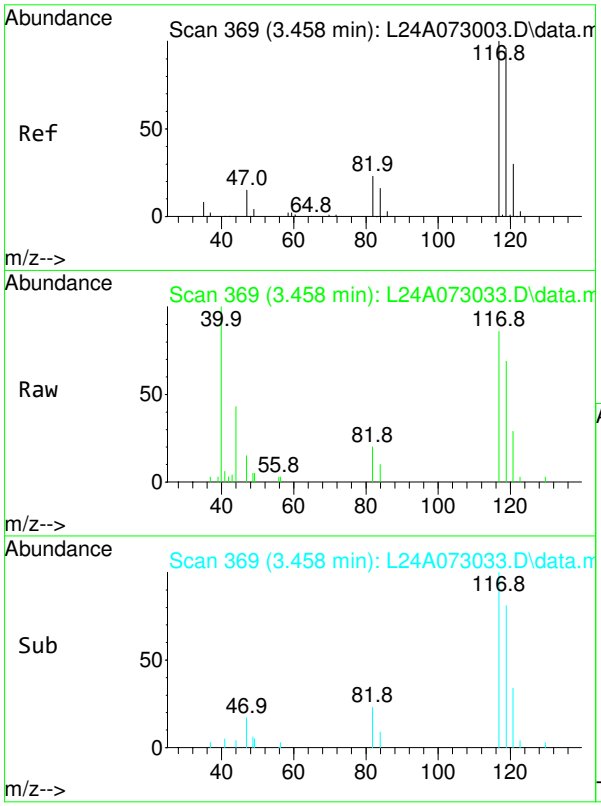


#32
BENZENE
Concen: 0.09 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 78 Resp: 5227

Ion	Ratio	Lower	Upper
78	100		
51	11.2	0.0	37.7

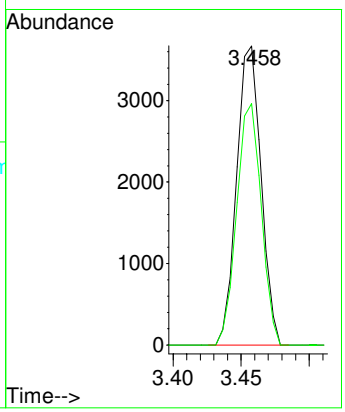


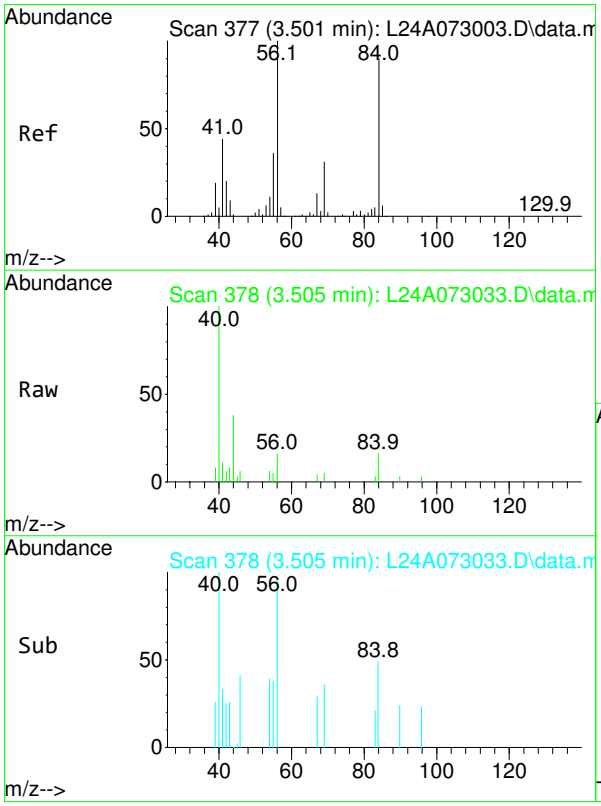


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:117 Resp: 4591

Ion	Ratio	Lower	Upper
117	100		
119	81.2	75.3	115.3

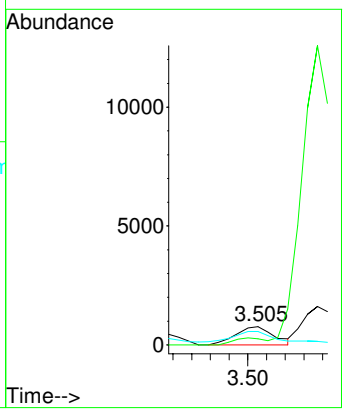


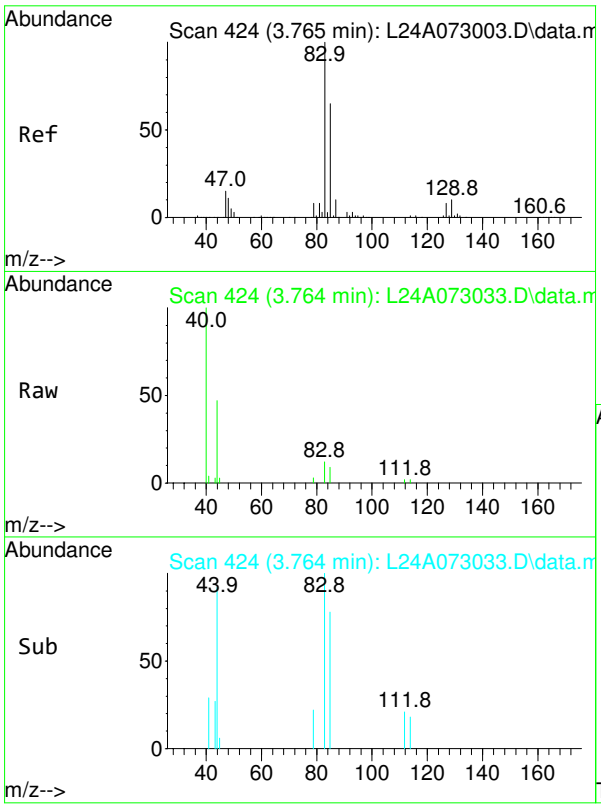


#34
CYCLOHEXANE
Concen: 0.05 PPBV
RT: 3.505 min Scan# 378
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 84 Resp: 1079

Ion	Ratio	Lower	Upper
84	100		
69	31.7	17.7	57.7
41	58.9	44.6	84.6

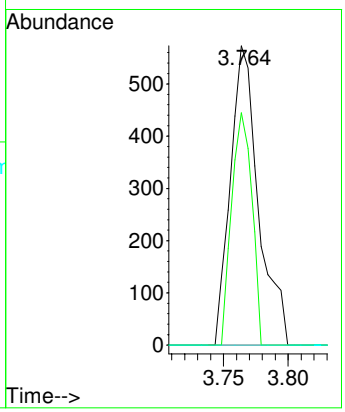


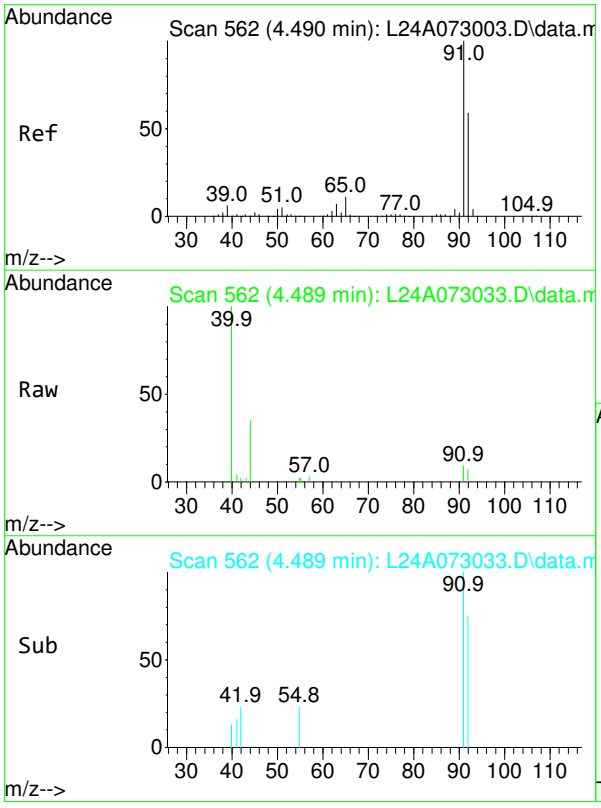


#36
BROMODICHLOROMETHANE
Concen: 0.02 PPBV
RT: 3.764 min Scan# 424
Delta R.T. -0.008 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 866

Ion	Ratio	Lower	Upper
83	100		
85	55.9	43.9	83.9
129	0.0	0.0	30.8

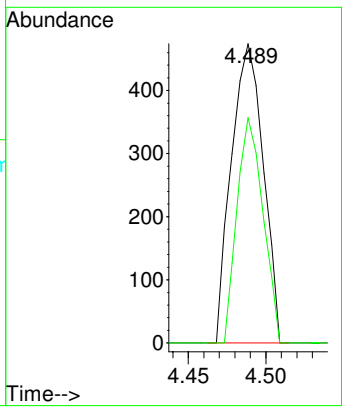


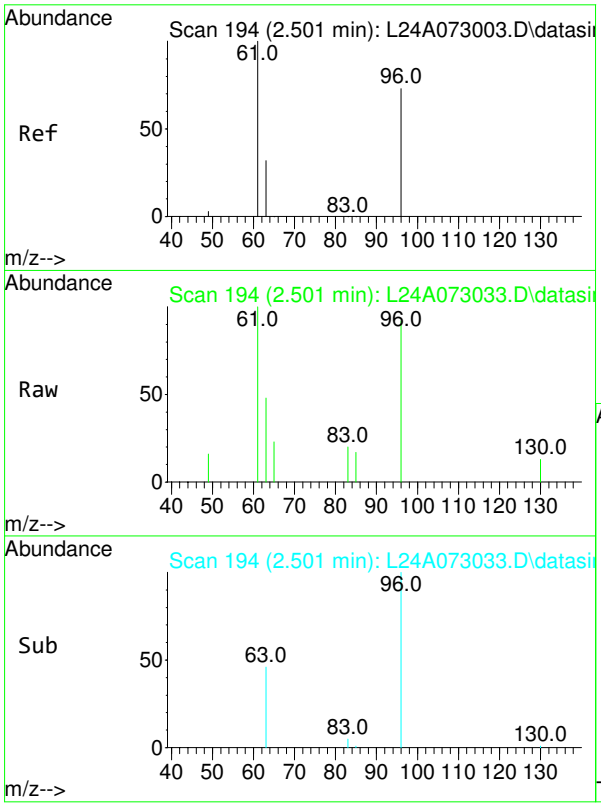


#46
TOLUENE
Concen: 0.01 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 91 Resp: 676

Ion	Ratio	Lower	Upper
91	100		
92	61.2	39.1	79.1

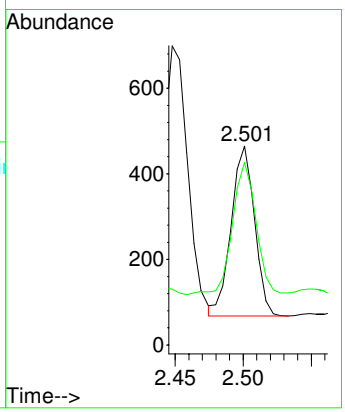


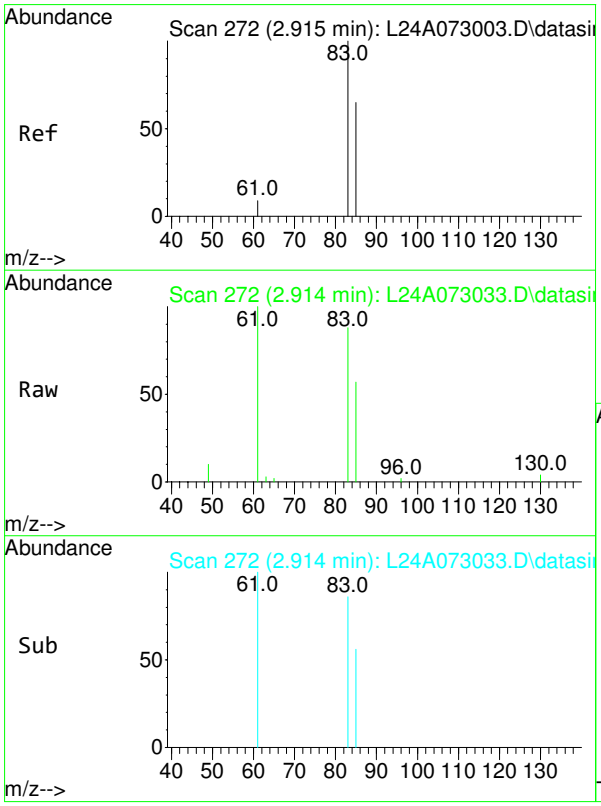


#72
TRANS-1,2-DICHLOROETHENE (SIM)
Concen: 0.02 PPBV
RT: 2.501 min Scan# 194
Delta R.T. 0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 61 Resp: 474

Ion	Ratio	Lower	Upper
61	100		
96	79.5	43.8	83.8

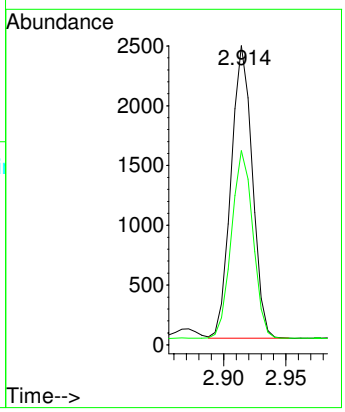


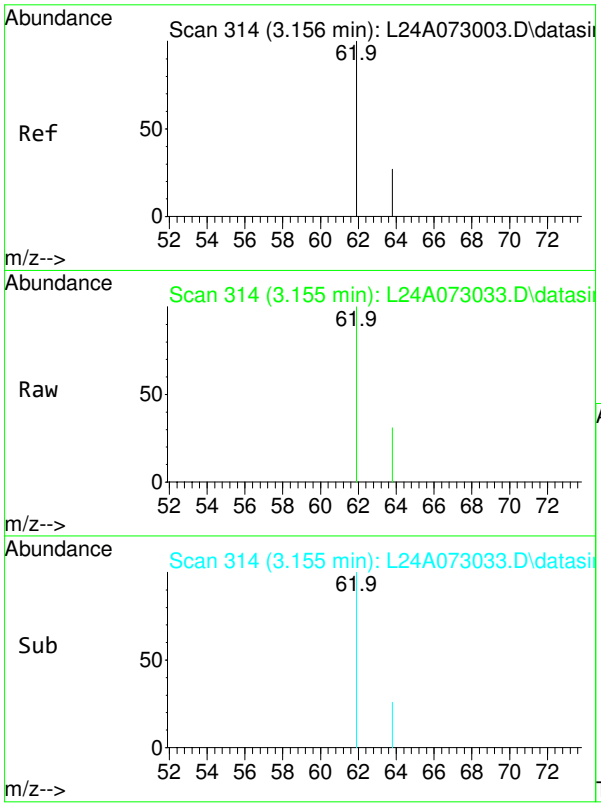


#75
CHLOROFORM (SIM)
Concen: 0.07 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 2906

Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.0	85.0

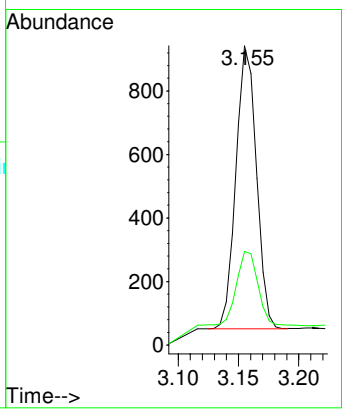


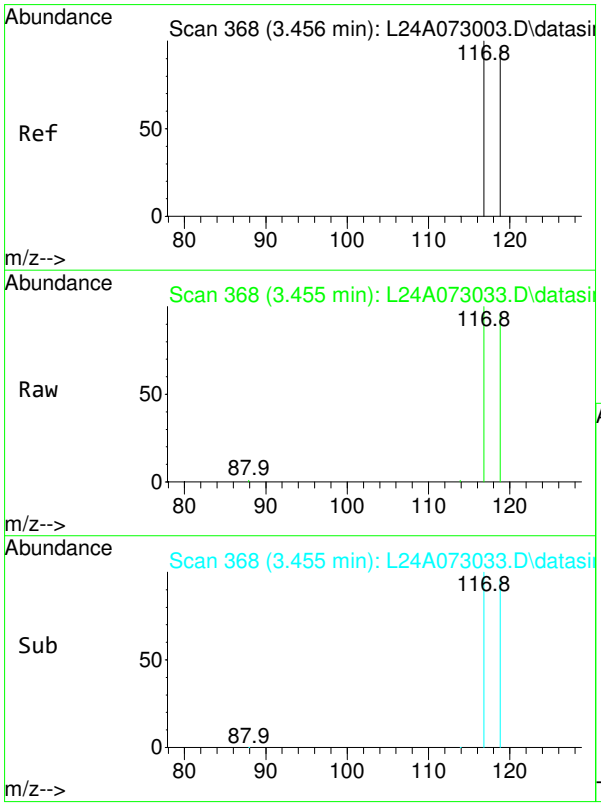


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.04 PPBV
RT: 3.155 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 62 Resp: 1043

Ion	Ratio	Lower	Upper
62	100		
64	27.0	7.0	47.0

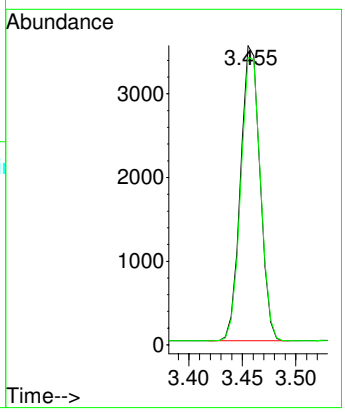


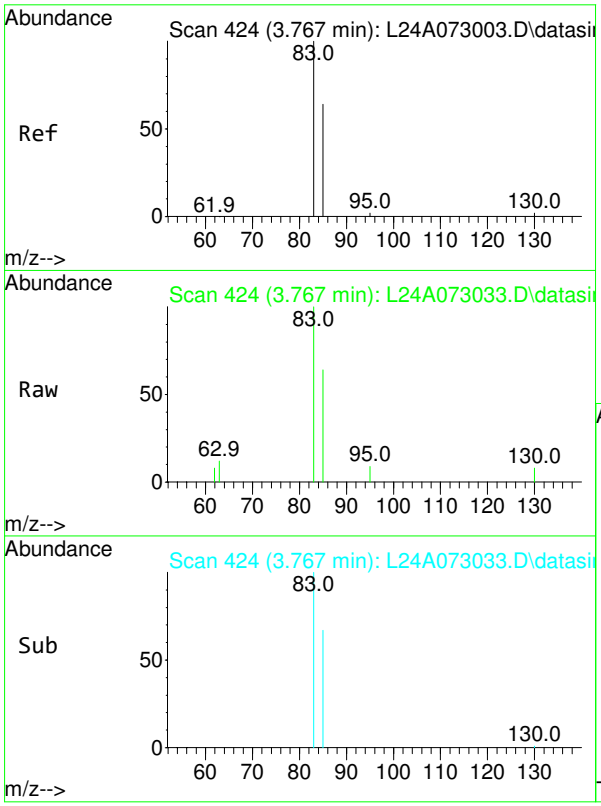


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.455 min Scan# 368
Delta R.T. -0.006 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion:117 Resp: 4465

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.3	116.3

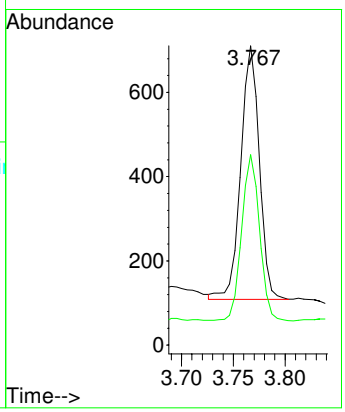




#80
BROMODICHLOROMETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.767 min Scan# 424
Delta R.T. -0.002 min
Lab File: L24A073033.D
Acq: 14 Mar 2024 02:29 am

Tgt Ion: 83 Resp: 748

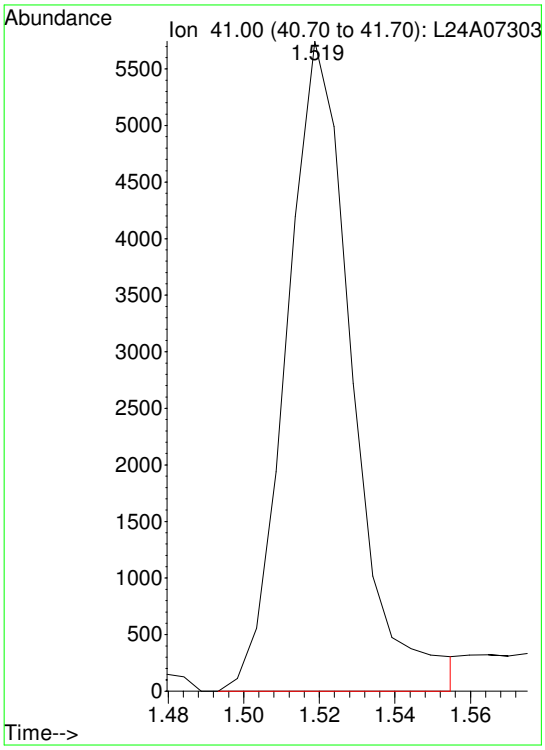
Ion	Ratio	Lower	Upper
83	100		
85	63.1	43.9	83.9



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

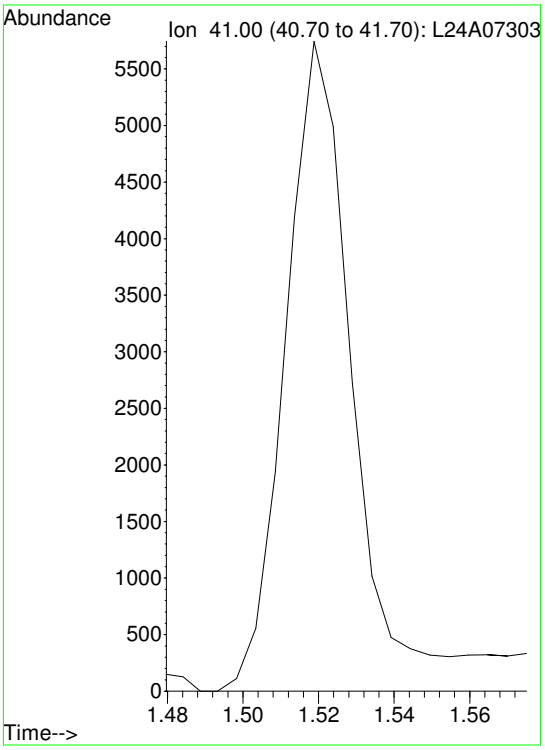
RT : 1.52
Area : 6986
Amount: 0.658137

Manual Int. Results

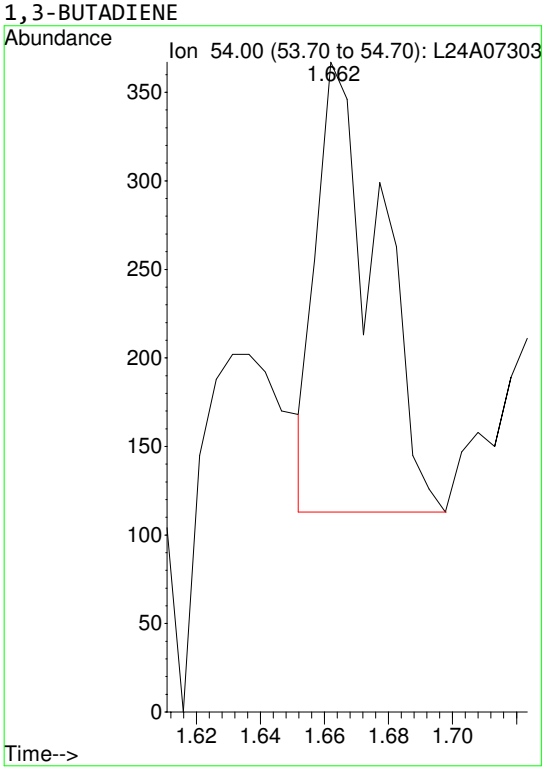
Fri Mar 15 11:17:13 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

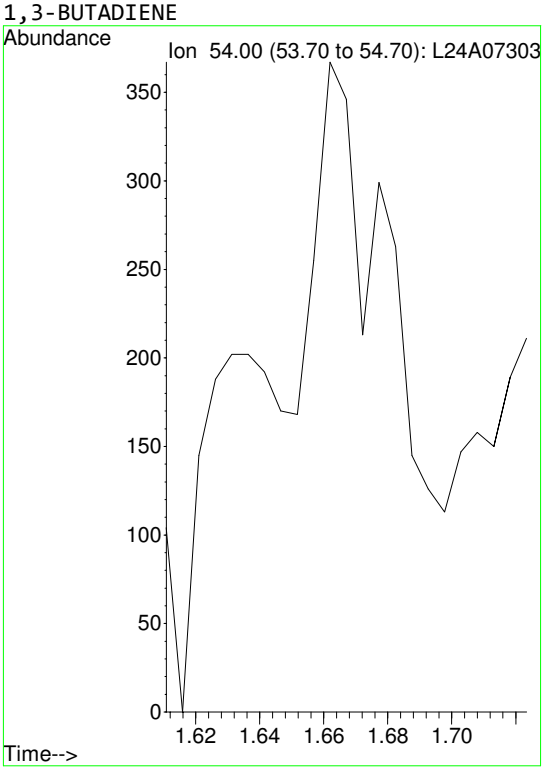
RT : 1.66
Area : 341
Amount: 0.0237534

Manual Int. Results

Fri Mar 15 11:17:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

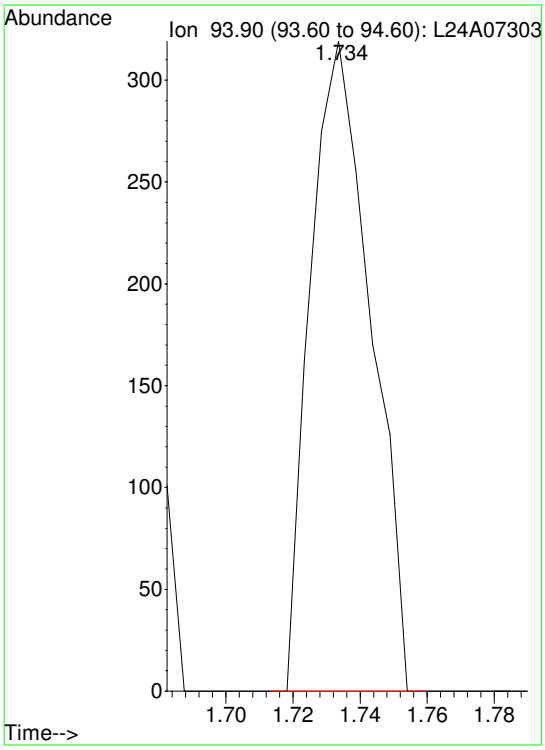
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

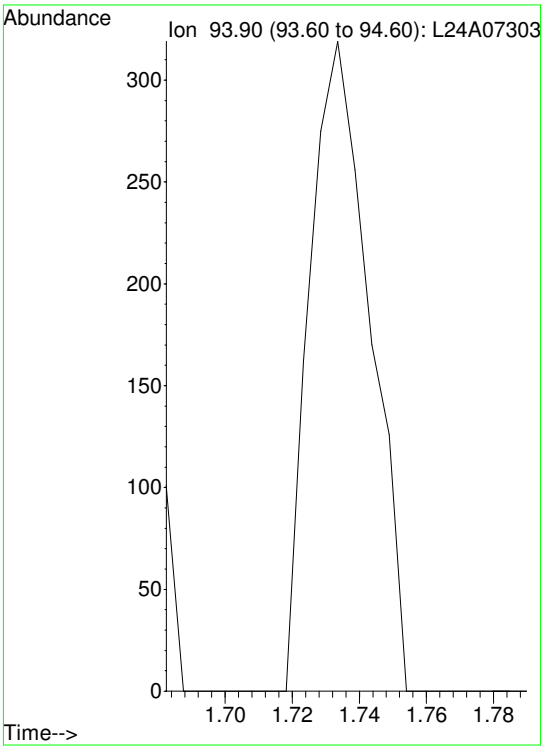
RT : 1.73
Area : 401
Amount: 0.0244032

Manual Int. Results

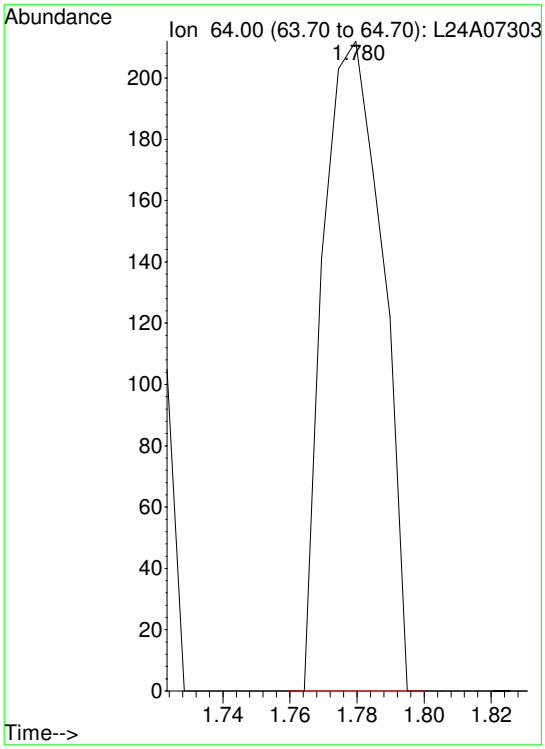
Fri Mar 15 11:17:34 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

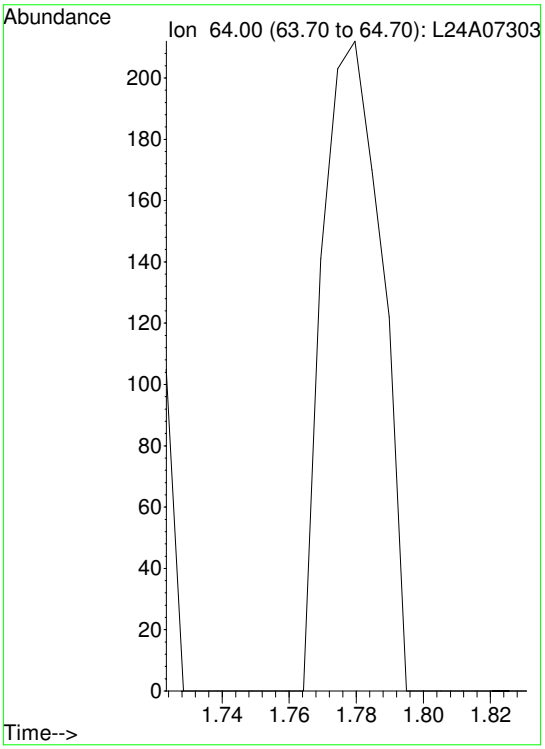
RT : 1.78
Area : 260
Amount: 0.0242426

Manual Int. Results

Fri Mar 15 11:17:38 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

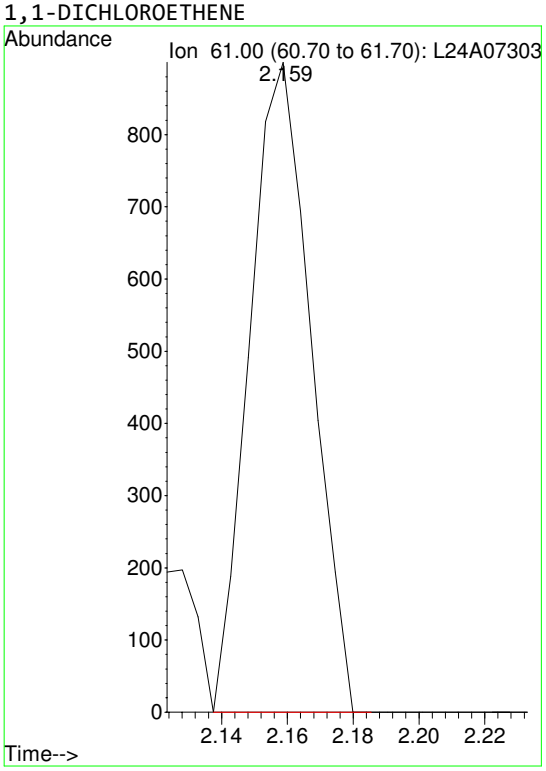
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

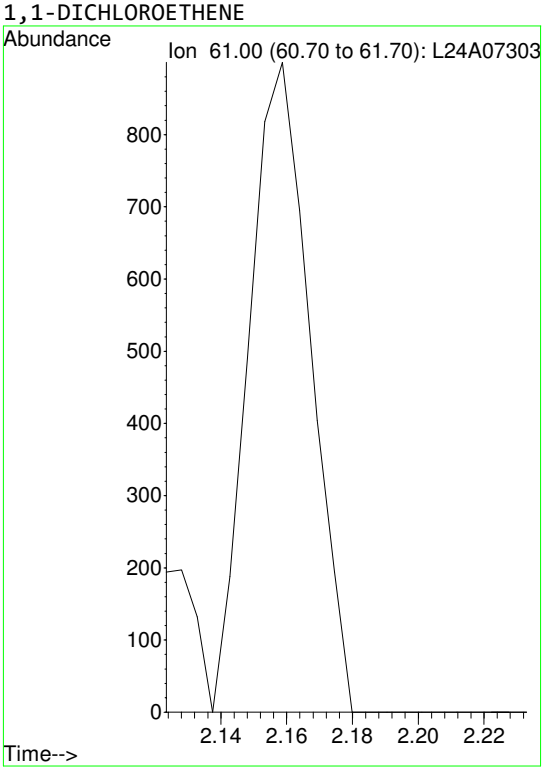
RT : 2.16
Area : 1174
Amount: 0.0399864

Manual Int. Results

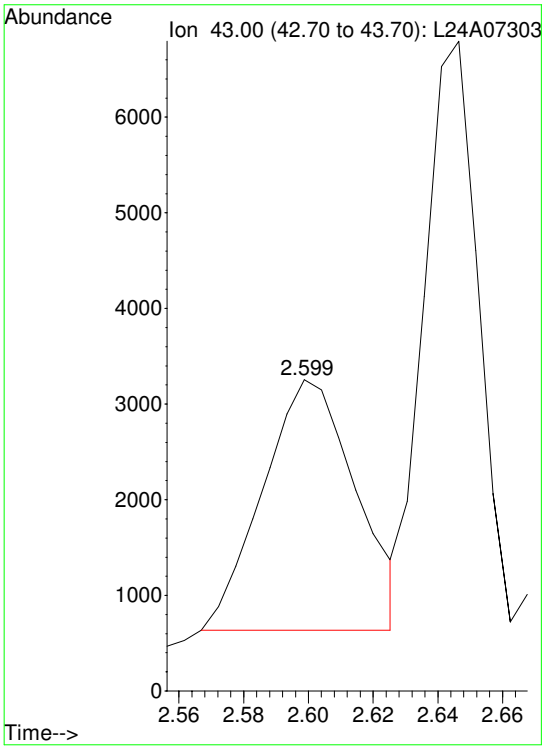
Fri Mar 15 11:17:50 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
VINYL ACETATE



Original Int. Results

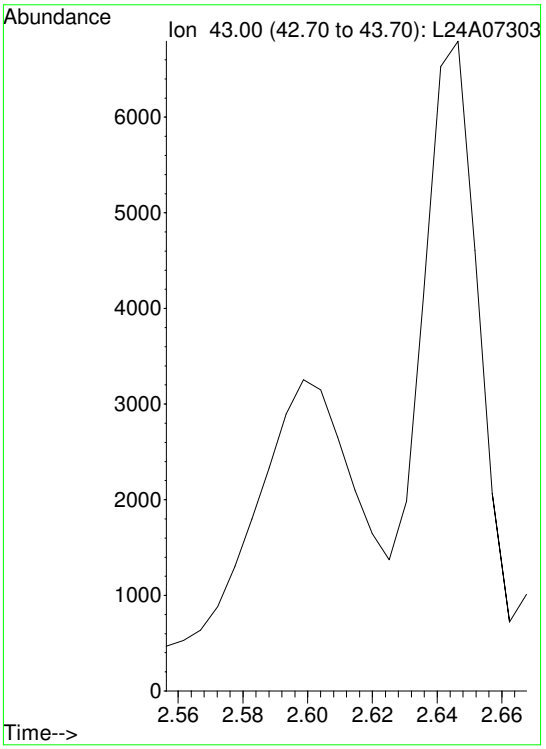
RT : 2.60
Area : 5215
Amount: 0.136801

Manual Int. Results

Fri Mar 15 11:18:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

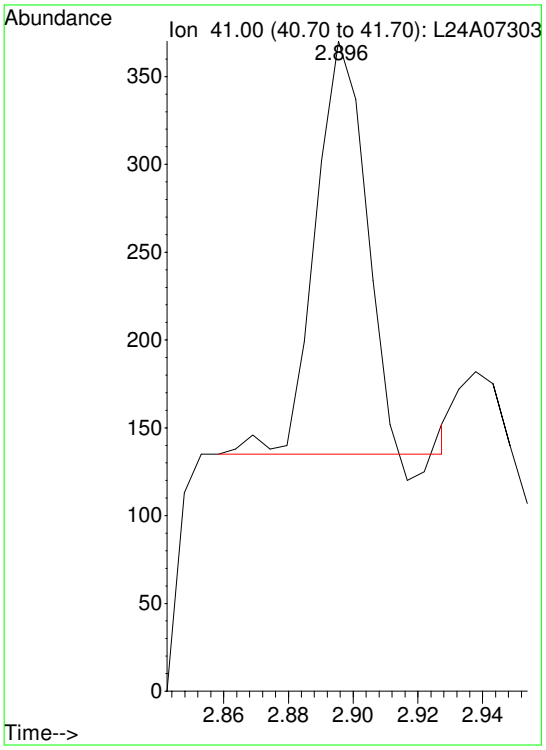
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
HEXANE



Original Int. Results

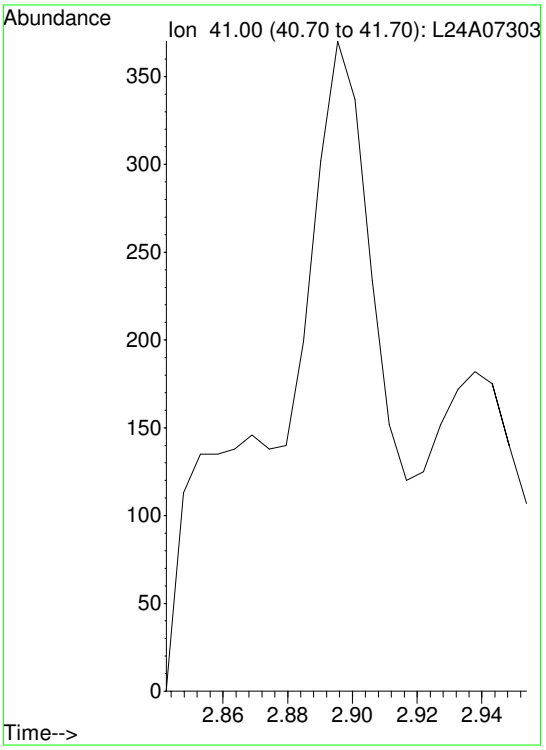
RT : 2.90
Area : 254
Amount: 0.0131031

Manual Int. Results

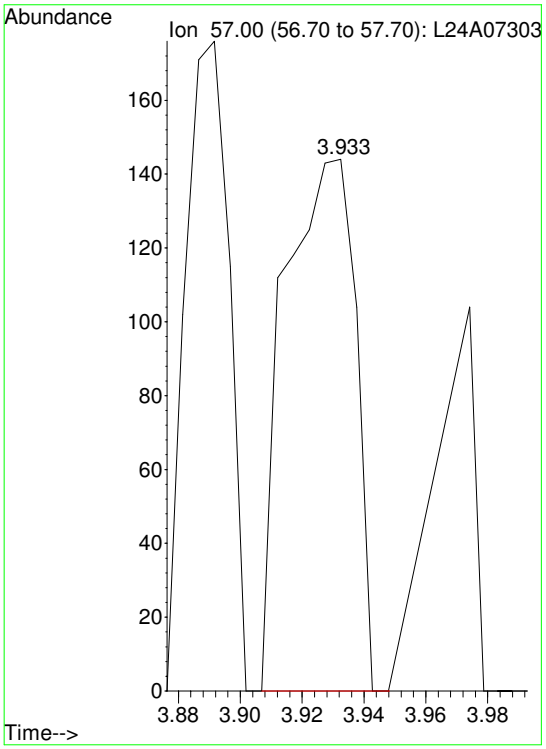
Fri Mar 15 11:18:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
HEPTANE



Original Int. Results

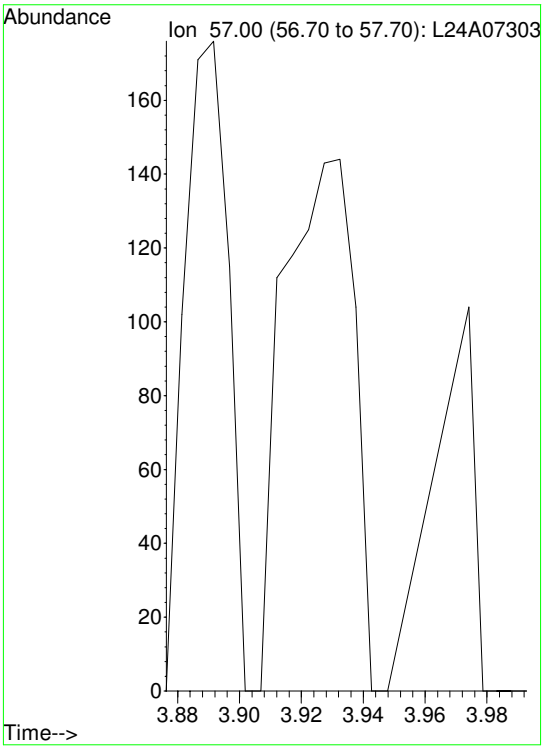
RT : 3.93
Area : 229
Amount: 0.0131942

Manual Int. Results

Fri Mar 15 11:18:24 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

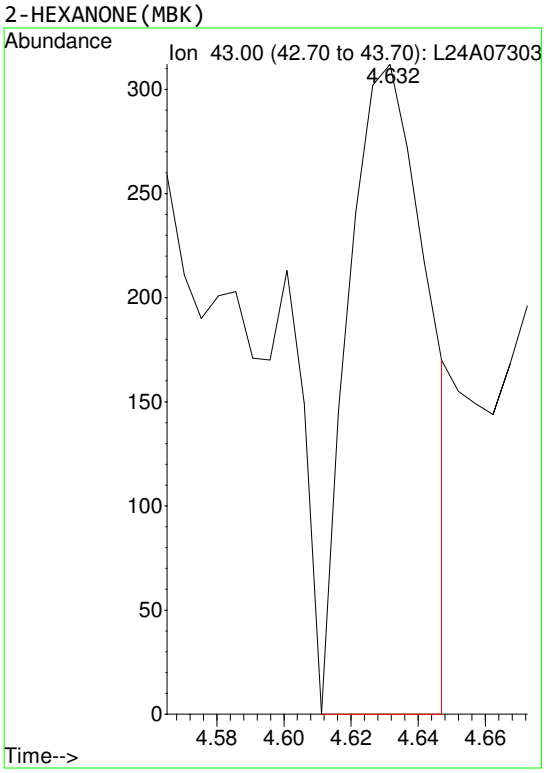
Manual Integration
HEPTANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073033.D
Acq On : 14 Mar 2024 02:29 am
Operator : CMR
Sample : 24C0251-09 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Fri Mar 15 11:18:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

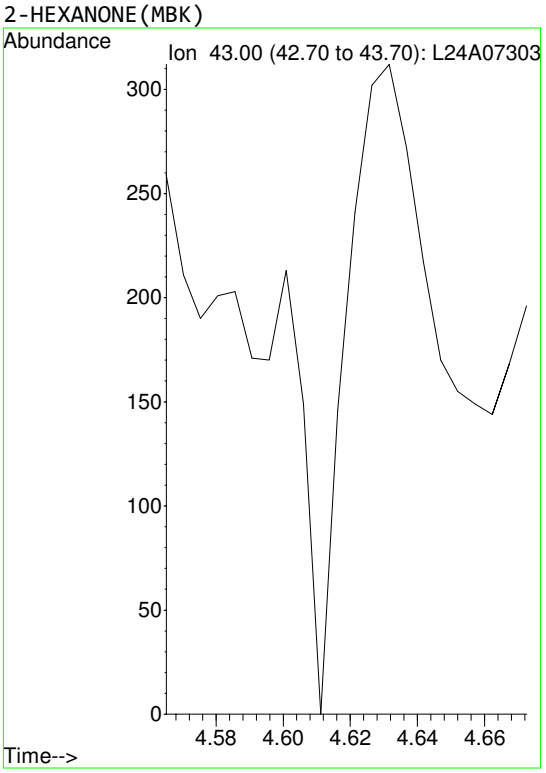
RT : 4.63
Area : 509
Amount: 0.012411

Manual Int. Results

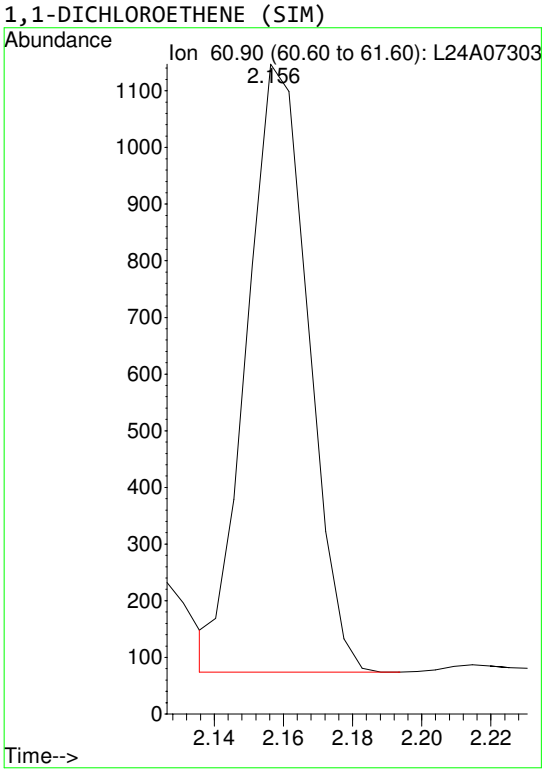
Fri Mar 15 11:18:29 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

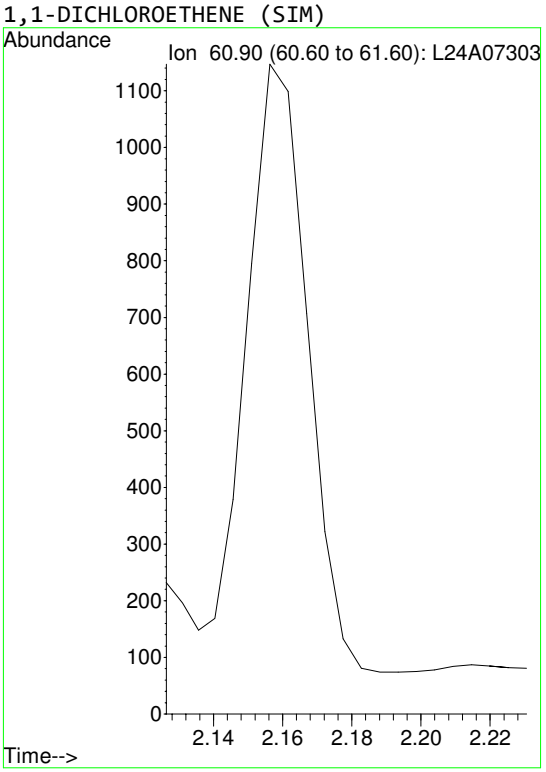
RT : 2.16
Area : 1311
Amount: 0.0415312

Manual Int. Results

Fri Mar 15 11:18:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

SSV-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-10	File ID:	L24A073035.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:31
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	8.4	2.0	4.0	
71-43-2	Benzene	0.052	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	7.0	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.25	0.042	0.10	
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	

1 - FORM I
ANALYSIS DATA SHEET

SSV-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-10	File ID:	L24A073035.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:31
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	11	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.11	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.11	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.062	0.050	0.10	J
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	0.26	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.28	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.10	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	
108-05-4	Vinyl Acetate		0.41	2.0	
75-01-4	Vinyl Chloride		0.051	0.10	

1 - FORM I
ANALYSIS DATA SHEET

SSV-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Sub Slab	Laboratory ID:	24C0251-10	File ID:	L24A073035.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:31
Solids:		Preparation:	TO-15 Prep	Dilution:	2
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073035.D Vial: 31
Acq On : 14 Mar 2024 03:31 am Operator: CMR
Sample : 24C0251-10 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:06 2024

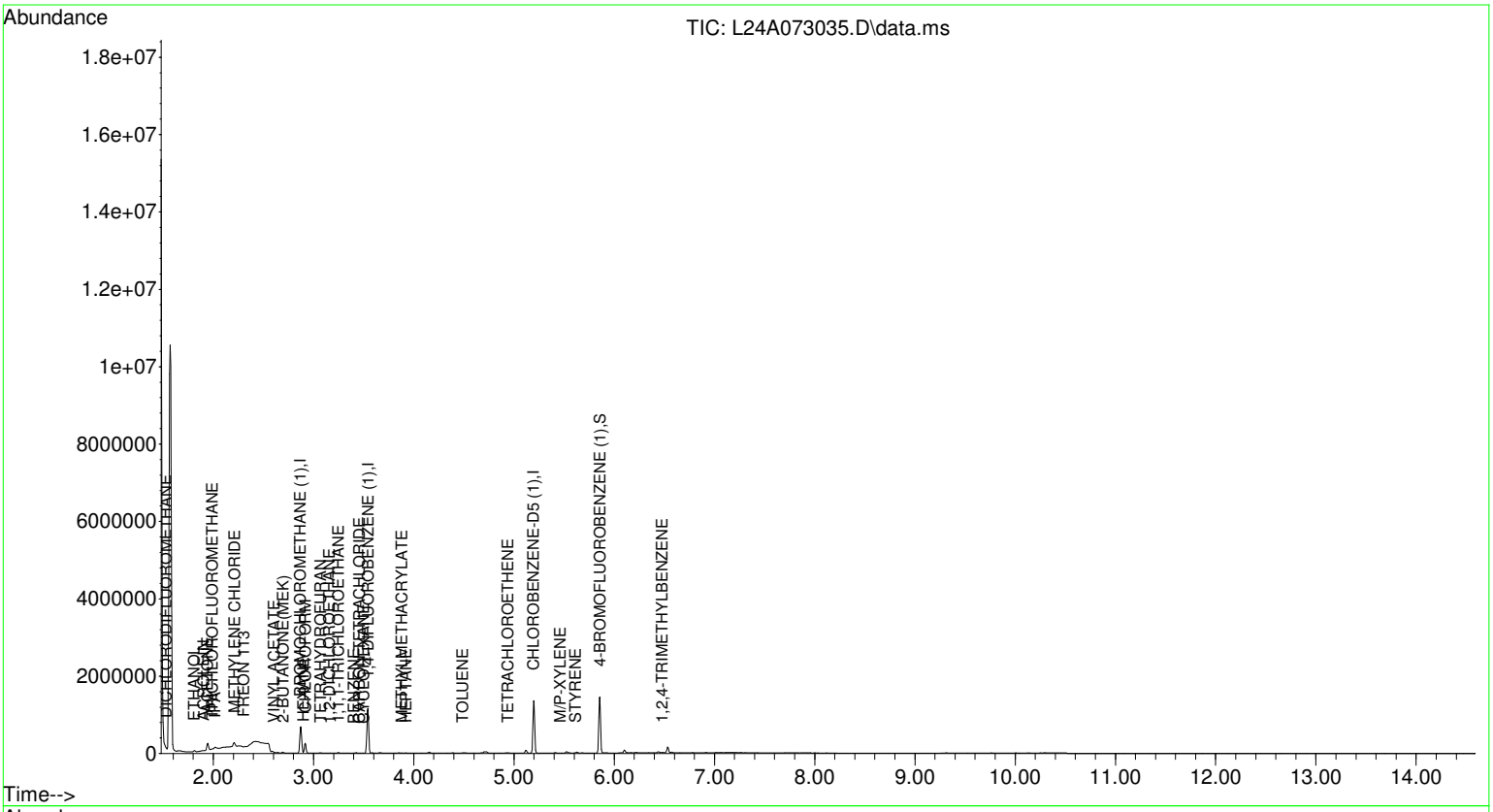
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073035.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

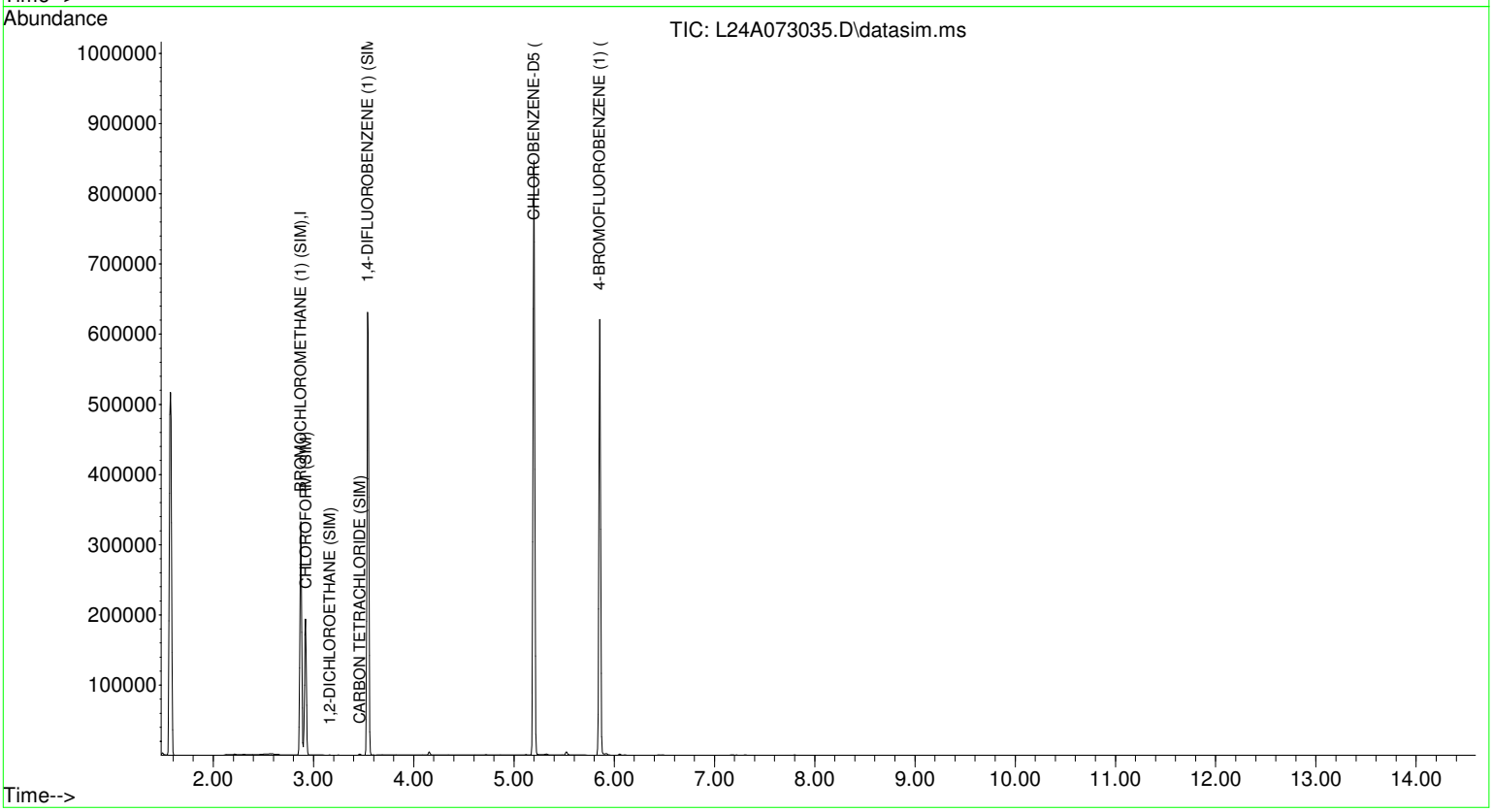
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	212153	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	641467	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	583657	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	230940	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	675166	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	636858	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	290726	7.237	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 90.50%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	310247	7.609	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.13%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	5913	0.126	PPBV	95
10) ACROLEIN	1.903	56	1465	0.174	PPBV	90
11) ACETONE	1.944	43	125236	4.208	PPBV	75
12) TRICHLOROFLUOROMETHANE	1.990	101	6701	0.139	PPBV	91
13) ETHANOL	1.811	45	24259	5.280	PPBV	98
15) METHYLENE CHLORIDE	2.212	49	1192	0.052	PPBV #	77
16) FREON 113	2.302	101	1898	0.050	PPBV	86
21) IPA	2.015	45	24113	0.770	PPBV	90
22) 2-BUTANONE(MEK)	2.694	43	15970	0.436	PPBV	82
24) VINYL ACETATE	2.604	43	6911	0.178	PPBV	75
25) HEXANE	2.901	41	884	0.045	PPBV #	16
27) CHLOROFORM	2.917	83	133516	3.498	PPBV	99
28) TETRAHYDROFURAN	3.071	42	3991	0.165	PPBV #	24
29) 1,2-DICHLOROETHANE	3.158	62	369	0.014	PPBV #	70
31) 1,1,1-TRICHLOROETHANE	3.250	97	5342	0.131	PPBV	93
32) BENZENE	3.405	78	1520	0.026	PPBV	75
33) CARBON TETRACHLORIDE	3.458	117	1171	0.029	PPBV	86
34) CYCLOHEXANE	3.500	84	567	0.023	PPBV #	67
39) METHYLMETHACRYLATE	3.882	69	1433	0.071	PPBV #	34
40) HEPTANE	3.923	57	987	0.054	PPBV #	65
46) TOLUENE	4.489	91	2147	0.031	PPBV	97
50) TETRACHLOROETHENE	4.939	166	1724	0.057	PPBV	95
53) M/P-XYLENE	5.460	91	970	0.014	PPBV	84
55) STYRENE	5.613	104	1688	0.035	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	1335	0.018	PPBV #	71
75] CHLOROFORM (SIM)	2.920	83	138958	3.408	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.161	62	402	0.015	PPBV	92
78] CARBON TETRACHLORIDE (...	3.461	117	976	0.022	PPBV	98

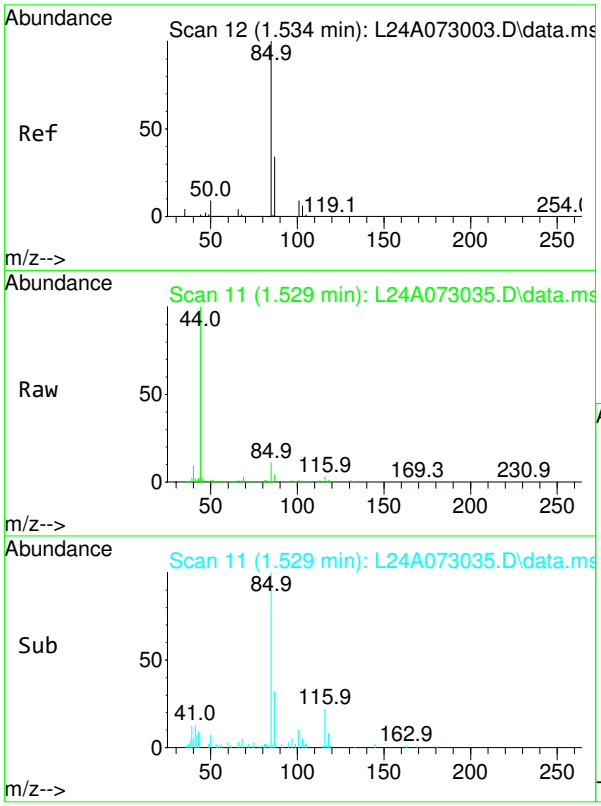
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073035.D Vial: 31
Acq On : 14 Mar 2024 03:31 am Operator: CMR
Sample : 24C0251-10 2X Inst : SYSL
Misc : 1.5,1,200,150,2X Multiplr: 1.00
Quant Time: Mar 14 15:39:06 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073035.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



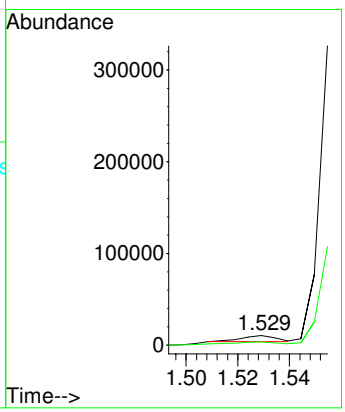


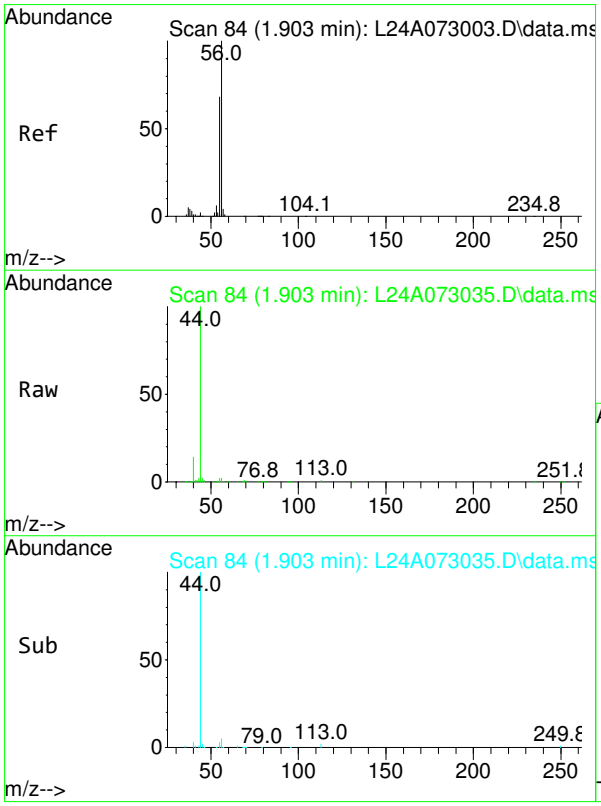


#3
DICHLORODIFLUOROMETHANE
Concen: 0.13 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 85 Resp: 5913

Ion	Ratio	Lower	Upper
85	100		
87	29.3	12.0	52.0

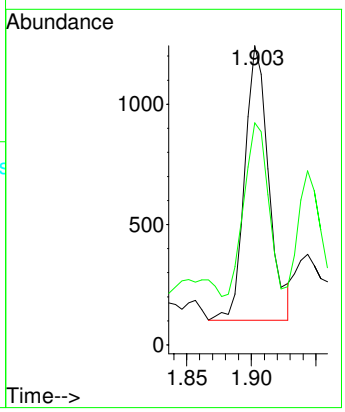


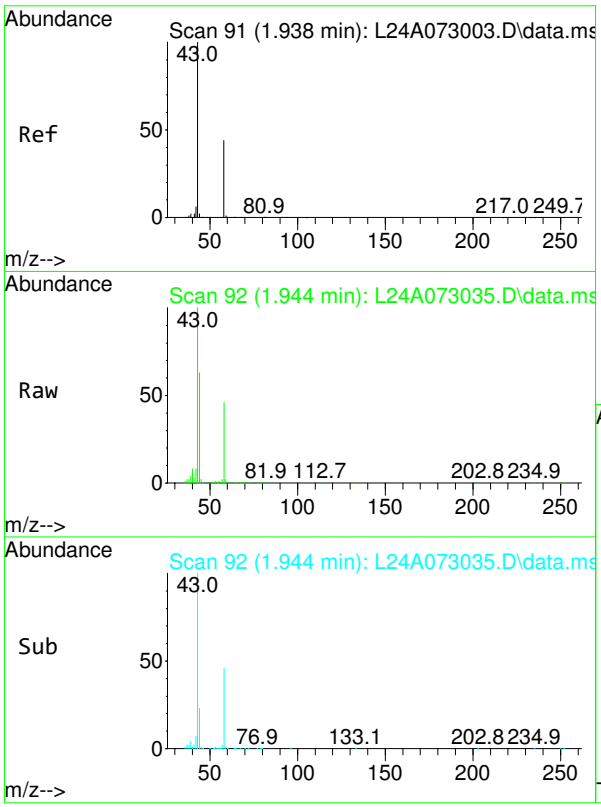


#10
ACROLEIN
Concen: 0.17 PPBV
RT: 1.903 min Scan# 84
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 56 Resp: 1465

Ion	Ratio	Lower	Upper
56	100		
55	63.3	51.4	91.4

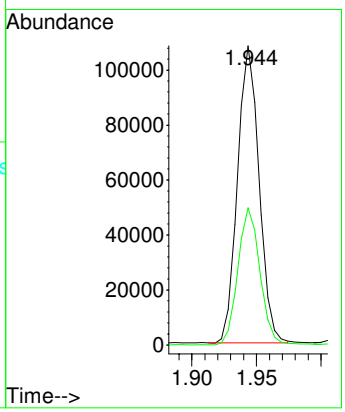


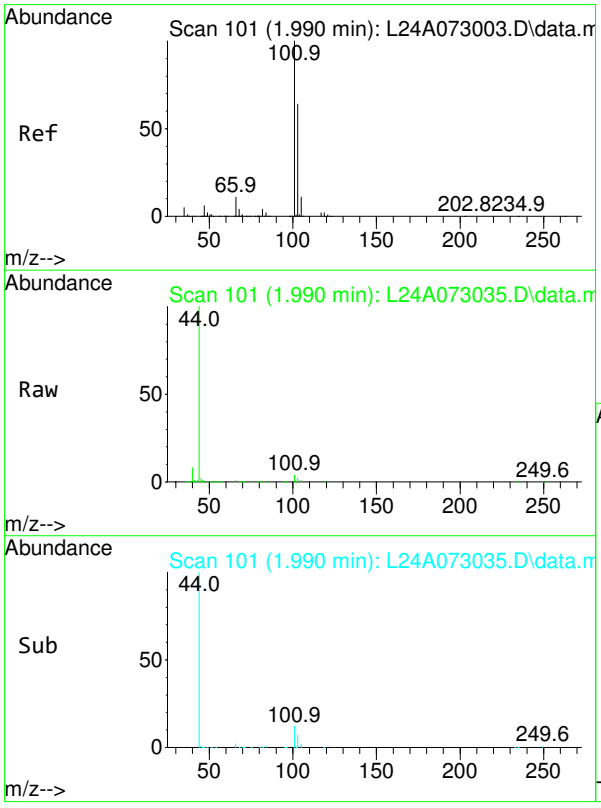


#11
ACETONE
Concen: 4.21 PPBV
RT: 1.944 min Scan# 92
Delta R.T. 0.005 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 43 Resp: 125236

Ion	Ratio	Lower	Upper
43	100		
58	47.1	13.1	53.1

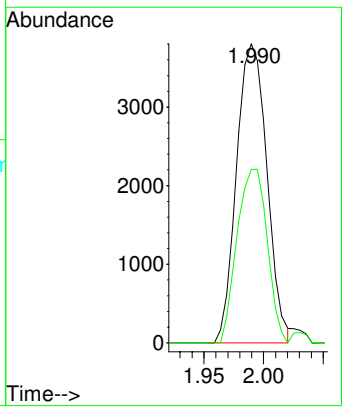


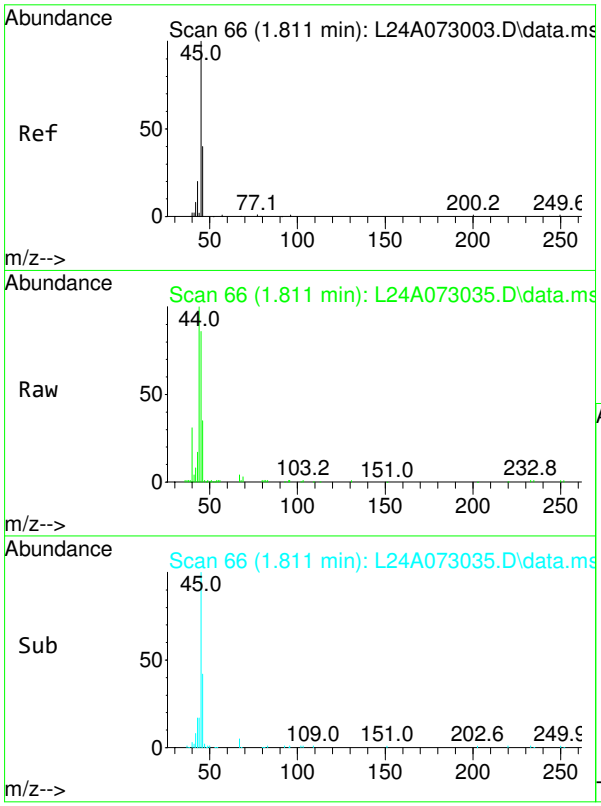


#12
TRICHLOROFLUOROMETHANE
Concen: 0.14 PPBV
RT: 1.990 min Scan# 101
Delta R.T. 0.003 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:101 Resp: 6701

Ion	Ratio	Lower	Upper
101	100		
103	57.5	44.7	84.7

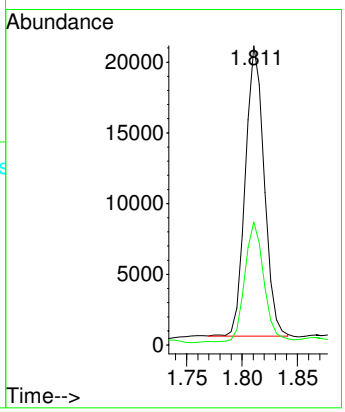


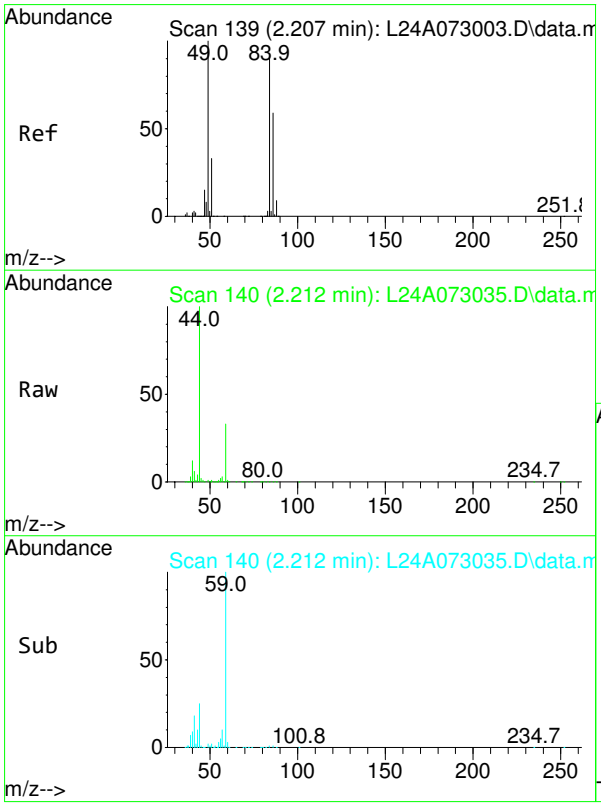


#13
ETHANOL
Concen: 5.28 PPBV
RT: 1.811 min Scan# 66
Delta R.T. 0.003 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 45 Resp: 24259

Ion	Ratio	Lower	Upper
45	100		
46	41.7	20.5	60.5

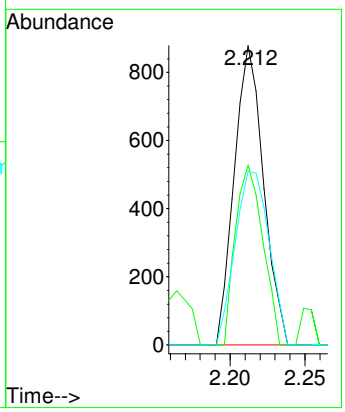


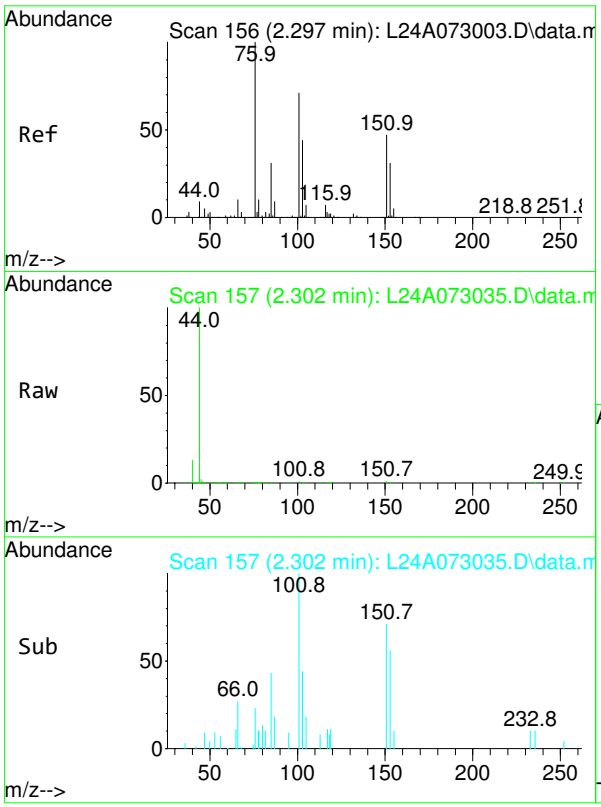


#15
METHYLENE CHLORIDE
Concen: 0.05 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 49 Resp: 1192

Ion	Ratio	Lower	Upper
49	100		
84	56.5	52.0	92.0
86	67.4	27.3	67.3#

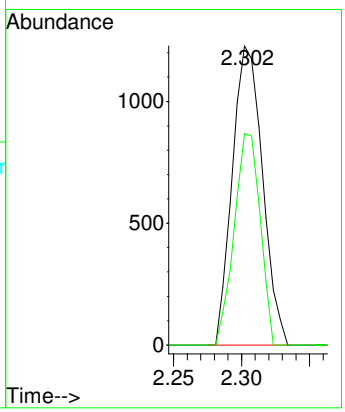


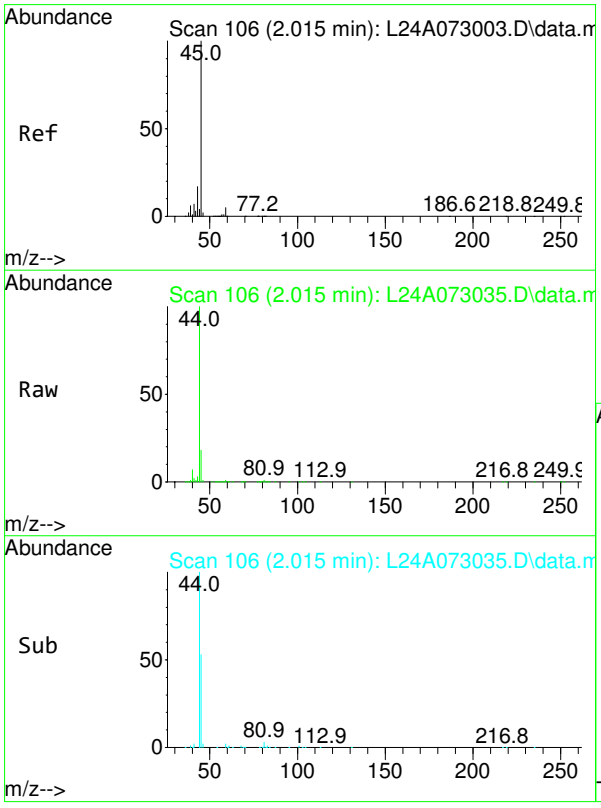


#16
FREON 113
Concen: 0.05 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:101 Resp: 1898

Ion	Ratio	Lower	Upper
101	100		
151	60.7	52.3	92.3

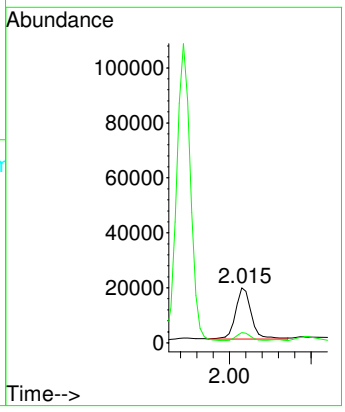


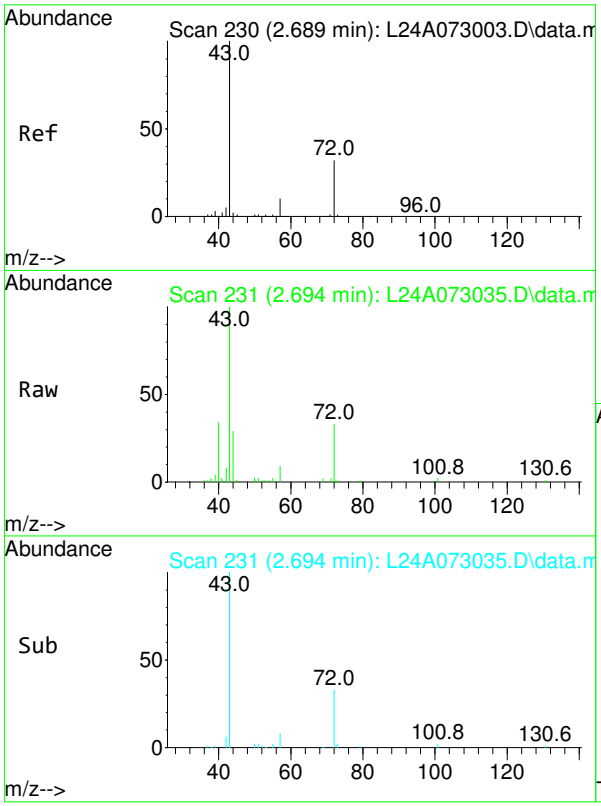


#21
IPA
Concen: 0.77 PPBV
RT: 2.015 min Scan# 106
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 45 Resp: 24113

Ion	Ratio	Lower	Upper
45	100		
43	14.7	0.0	39.3

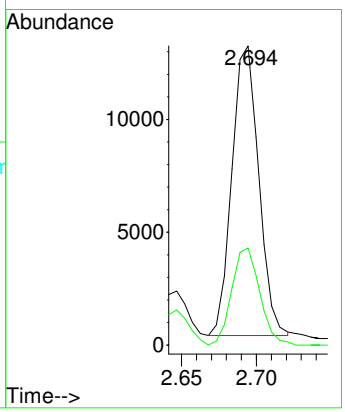


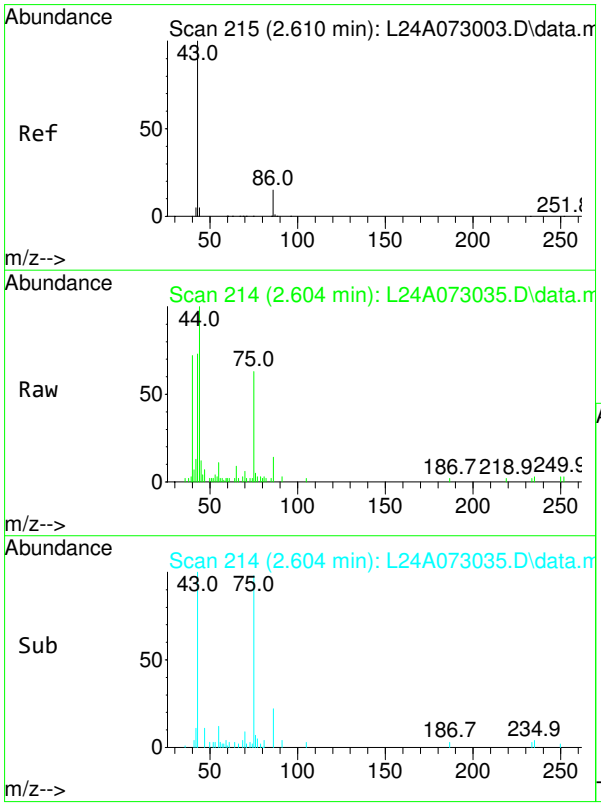


#22
2-BUTANONE(MEK)
Concen: 0.44 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 43 Resp: 15970

Ion	Ratio	Lower	Upper
43	100		
72	34.9	5.6	45.6

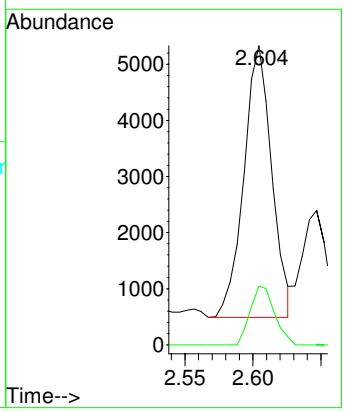


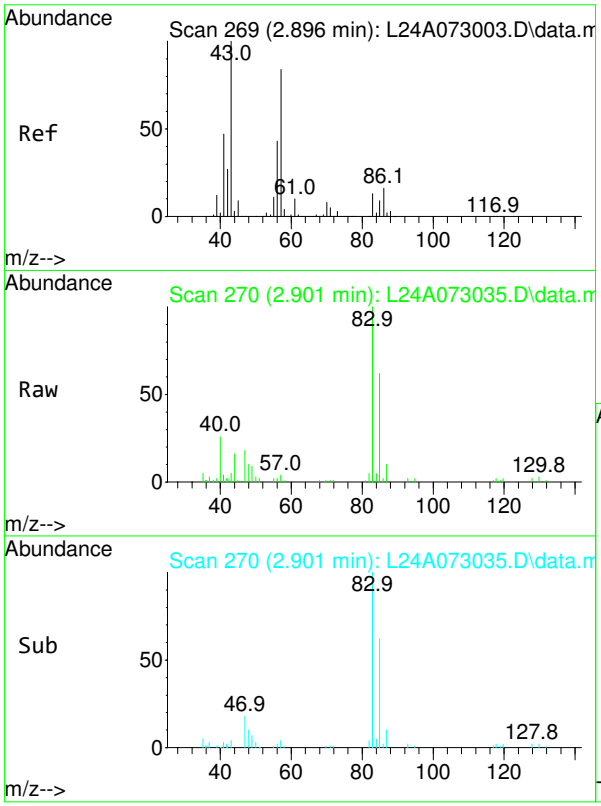


#24
VINYL ACETATE
Concen: 0.18 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 43 Resp: 6911

Ion	Ratio	Lower	Upper
43	100		
86	18.8	0.0	19.5

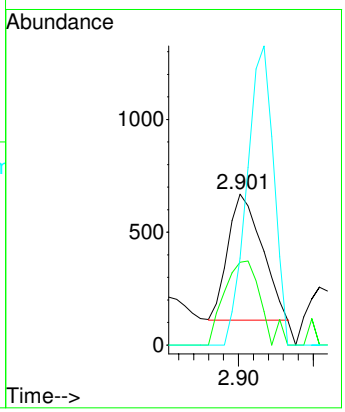


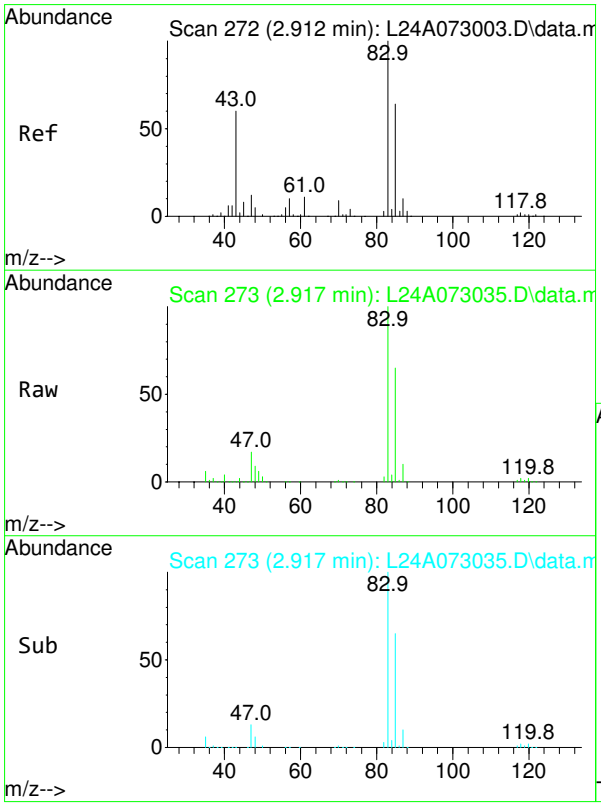


#25
HEXANE
Concen: 0.04 PPBV
RT: 2.901 min Scan# 270
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 41 Resp: 884

Ion	Ratio	Lower	Upper
41	100		
56	71.4	52.3	92.3
86	186.7	16.1	36.1#

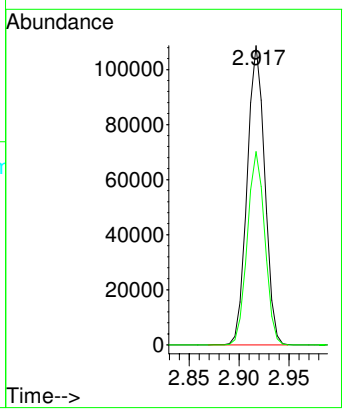


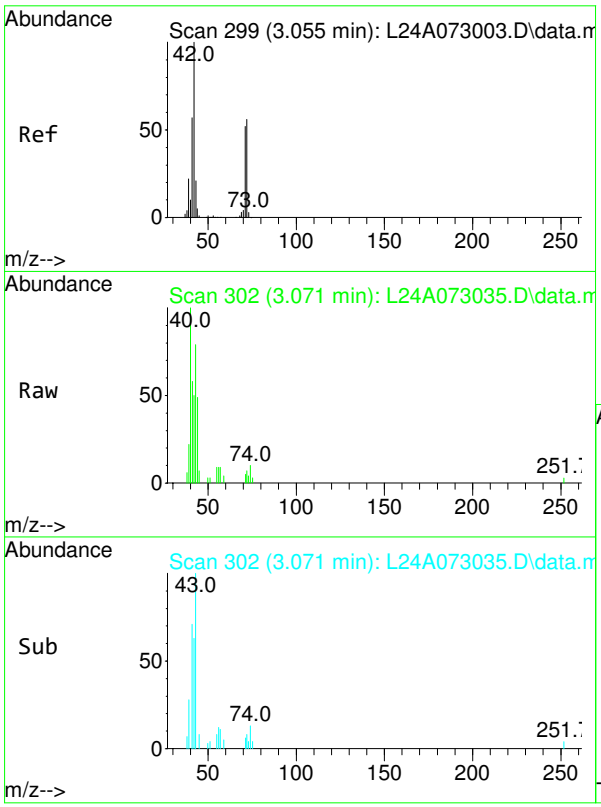


#27
CHLOROFORM
Concen: 3.50 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 83 Resp: 133516

Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.8	84.8

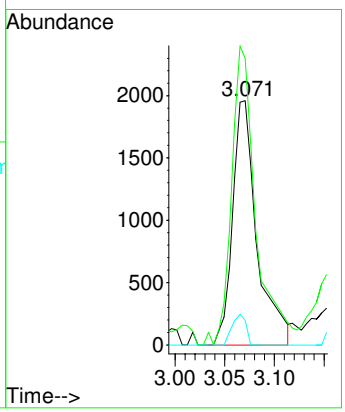


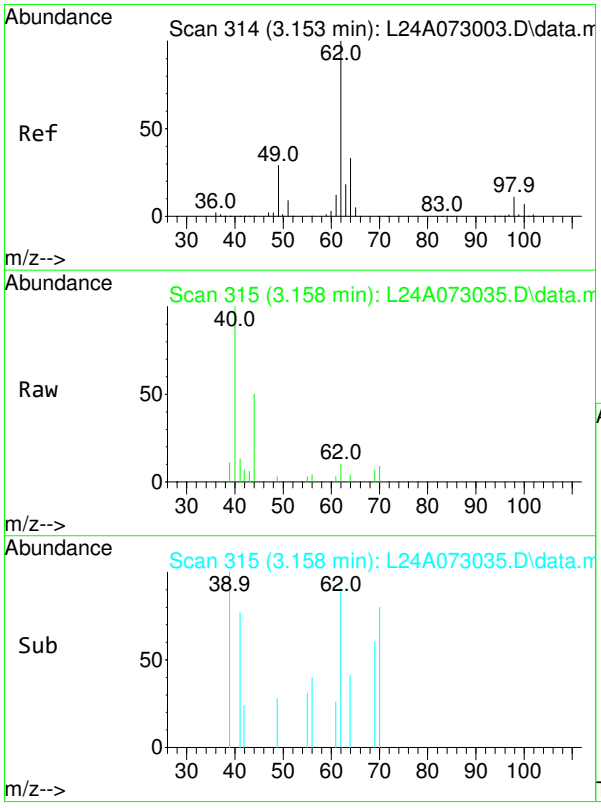


#28
TETRAHYDROFURAN
Concen: 0.17 PPBV
RT: 3.071 min Scan# 302
Delta R.T. 0.020 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 42 Resp: 3991

Ion	Ratio	Lower	Upper
42	100		
41	117.7	33.5	73.5#
71	5.9	24.0	64.0#

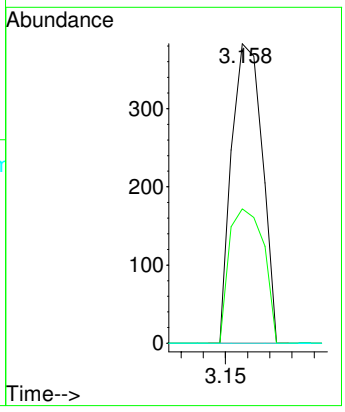


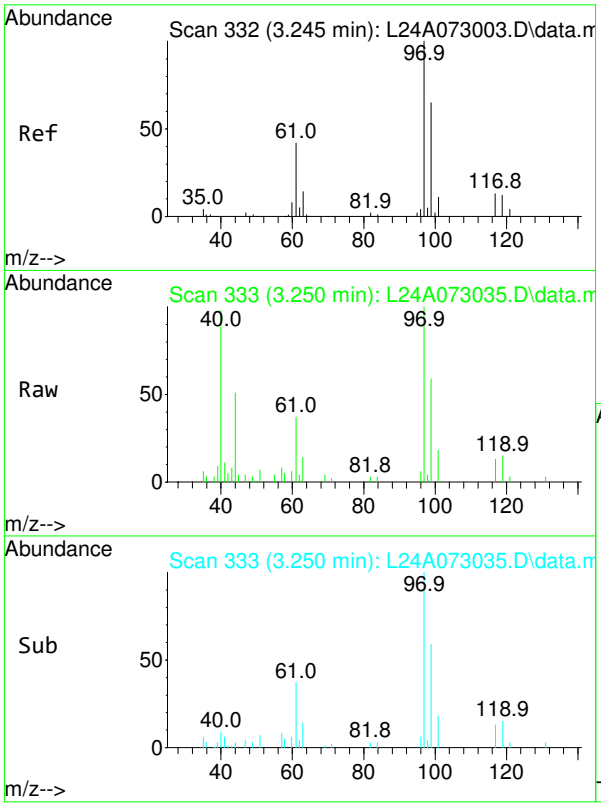


#29
1,2-DICHLOROETHANE
Concen: 0.01 PPBV
RT: 3.158 min Scan# 315
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 62 Resp: 369

Ion	Ratio	Lower	Upper
62	100		
64	50.4	13.0	53.0
98	0.0	0.0	19.3

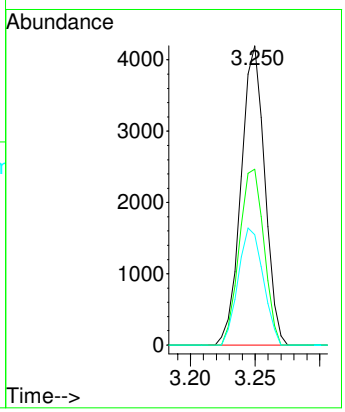


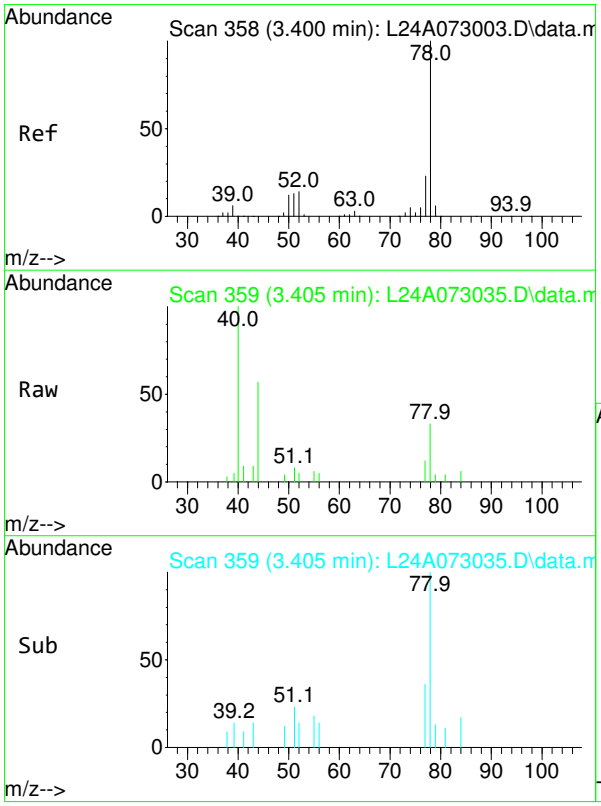


#31
1,1,1-TRICHLOROETHANE
Concen: 0.13 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 97 Resp: 5342

Ion	Ratio	Lower	Upper
97	100		
99	61.0	45.3	85.3
61	41.3	28.1	68.1

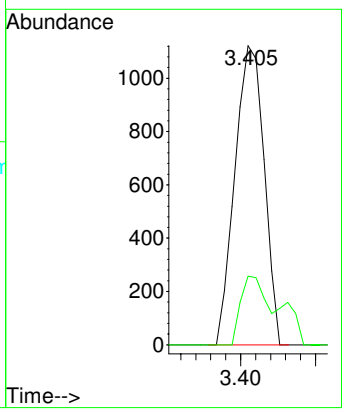


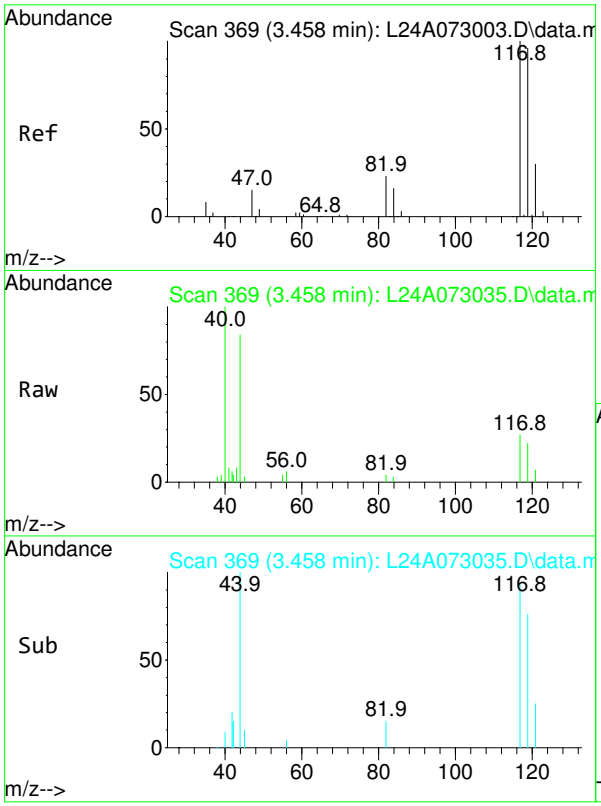


#32
BENZENE
Concen: 0.03 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 78 Resp: 1520

Ion	Ratio	Lower	Upper
78	100		
51	28.7	0.0	37.7

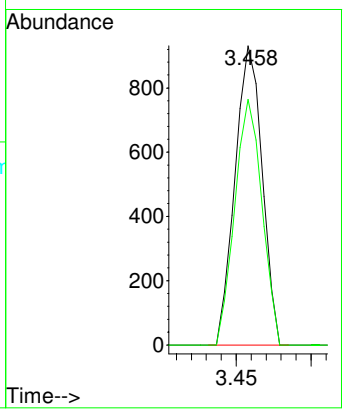


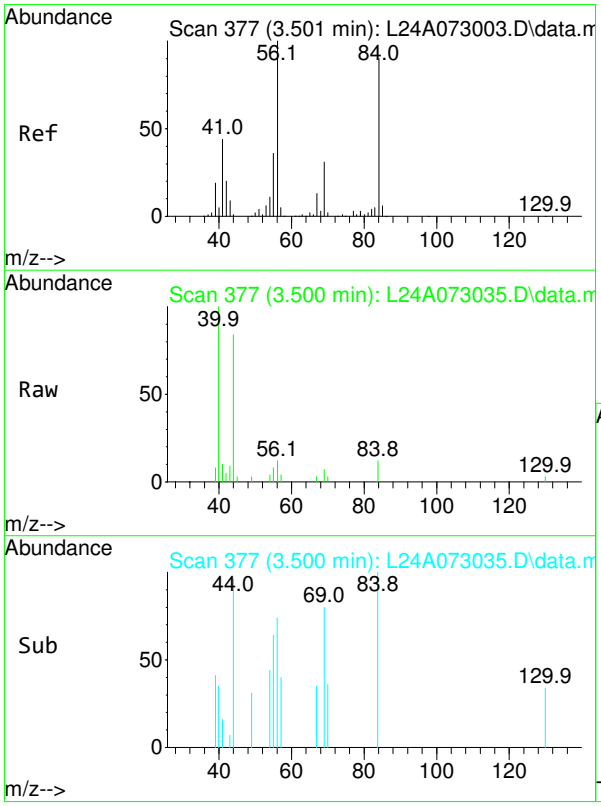


#33
CARBON TETRACHLORIDE
Concen: 0.03 PPBV
RT: 3.458 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:117 Resp: 1171

Ion	Ratio	Lower	Upper
117	100		
119	82.2	75.3	115.3

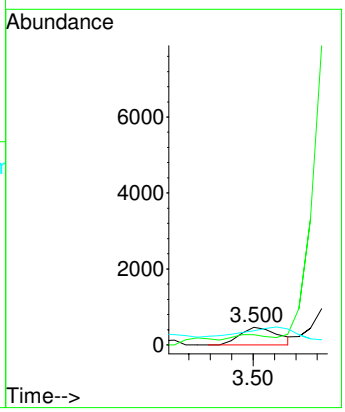


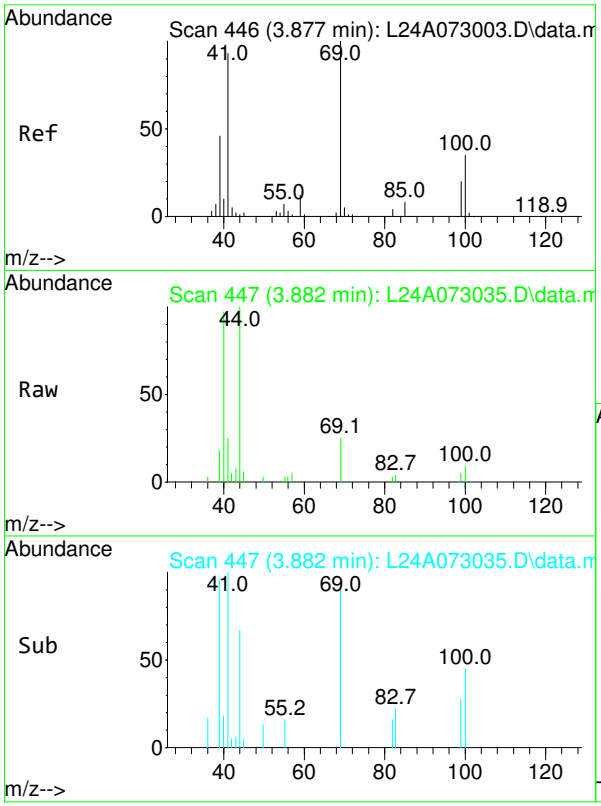


#34
CYCLOHEXANE
Concen: 0.02 PPBV
RT: 3.500 min Scan# 377
Delta R.T. -0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 84 Resp: 567

Ion	Ratio	Lower	Upper
84	100		
69	34.4	17.7	57.7
41	102.6	44.6	84.6#

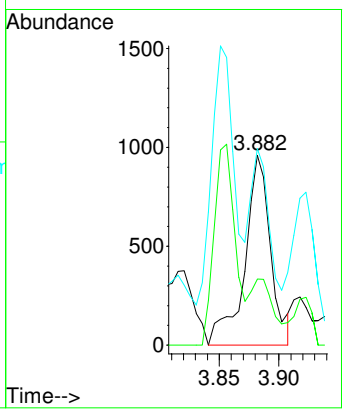


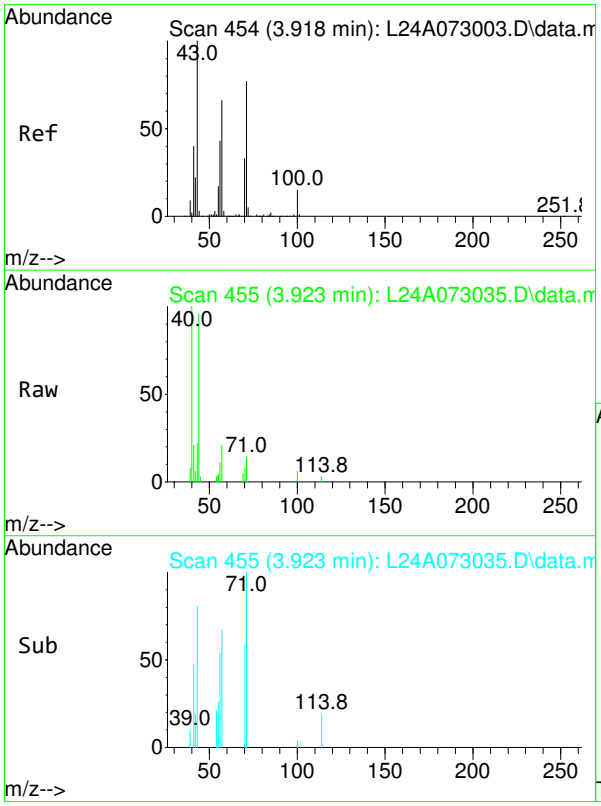


#39
METHYLMETHACRYLATE
Concen: 0.07 PPBV
RT: 3.882 min Scan# 447
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 69 Resp: 1433

Ion	Ratio	Lower	Upper
69	100		
100	0.0	18.0	58.0#
41	47.5	102.8	142.8#

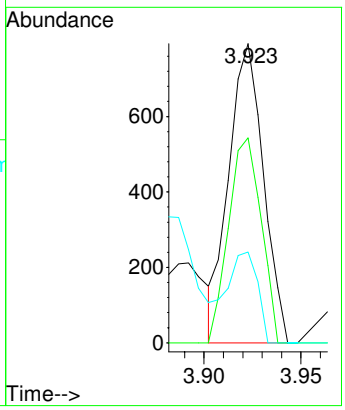


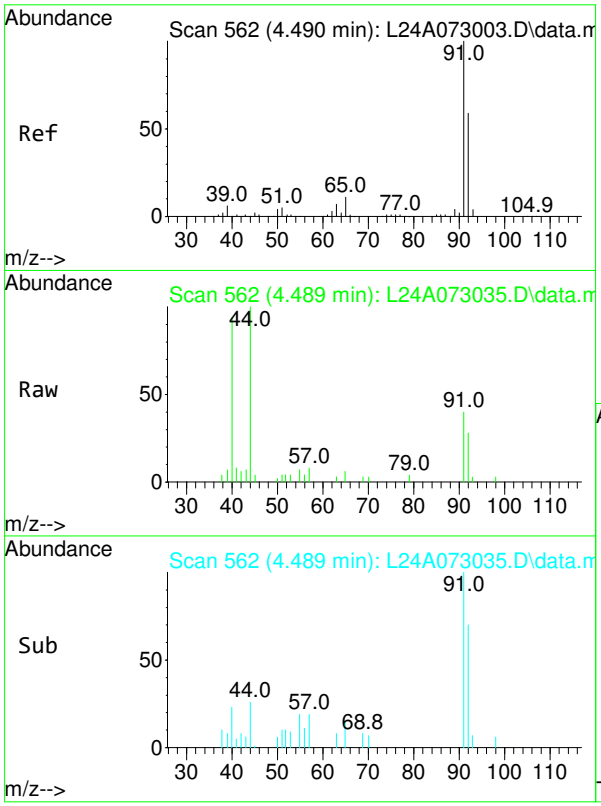


#40
HEPTANE
Concen: 0.05 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 57 Resp: 987

Ion	Ratio	Lower	Upper
57	100		
71	64.2	87.9	127.9#
100	27.8	4.4	44.4

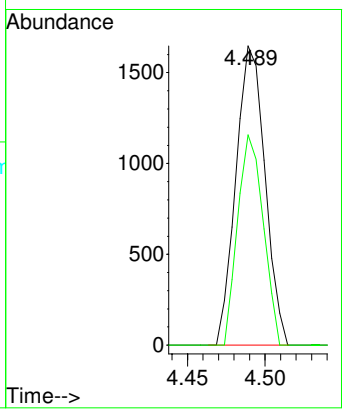


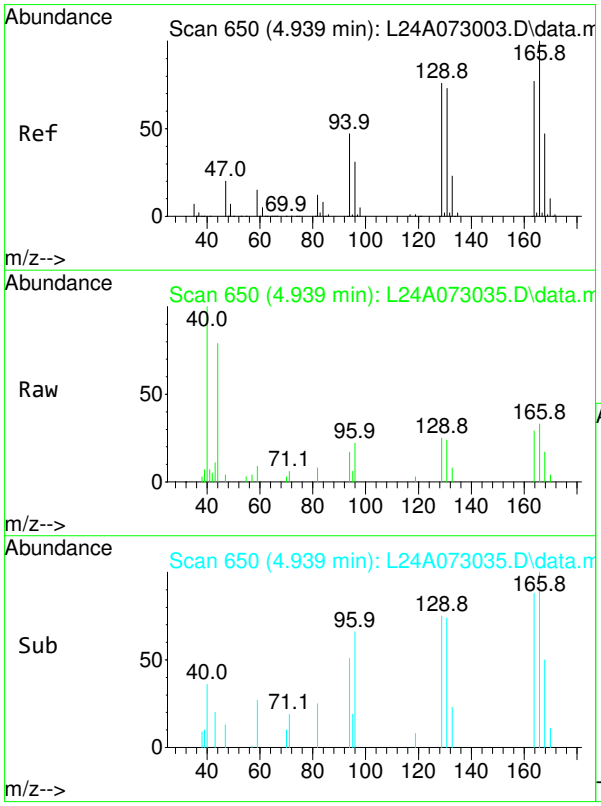


#46
TOLUENE
Concen: 0.03 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 91 Resp: 2147

Ion	Ratio	Lower	Upper
91	100		
92	61.5	39.1	79.1

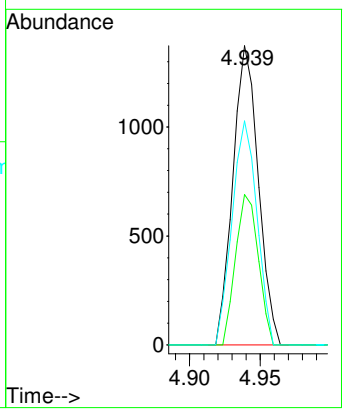


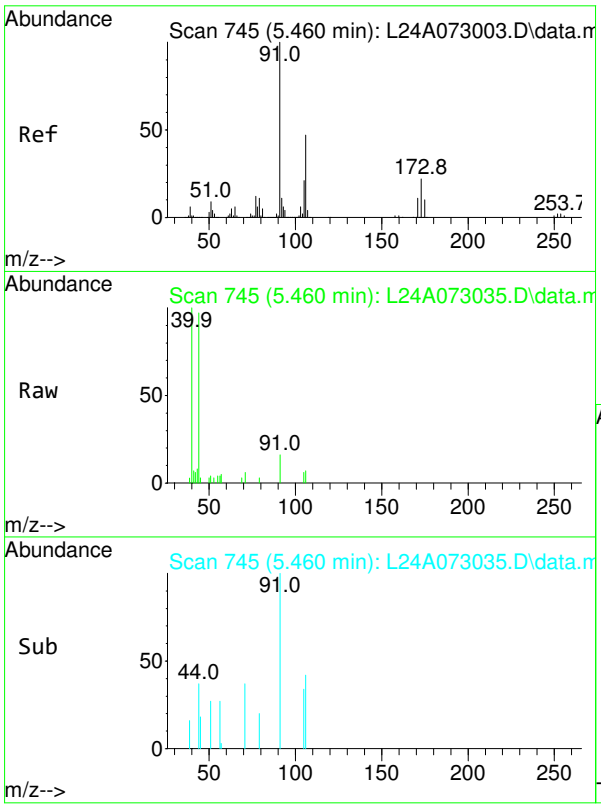


#50
TETRACHLOROETHENE
Concen: 0.06 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:166 Resp: 1724

Ion	Ratio	Lower	Upper
166	100		
168	45.0	28.8	68.8
129	73.1	56.6	96.6

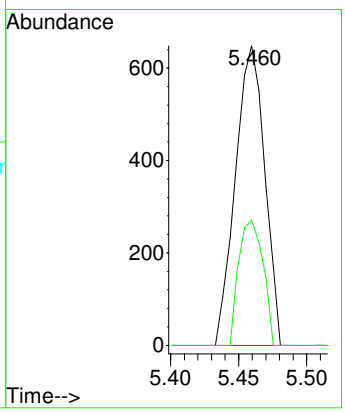


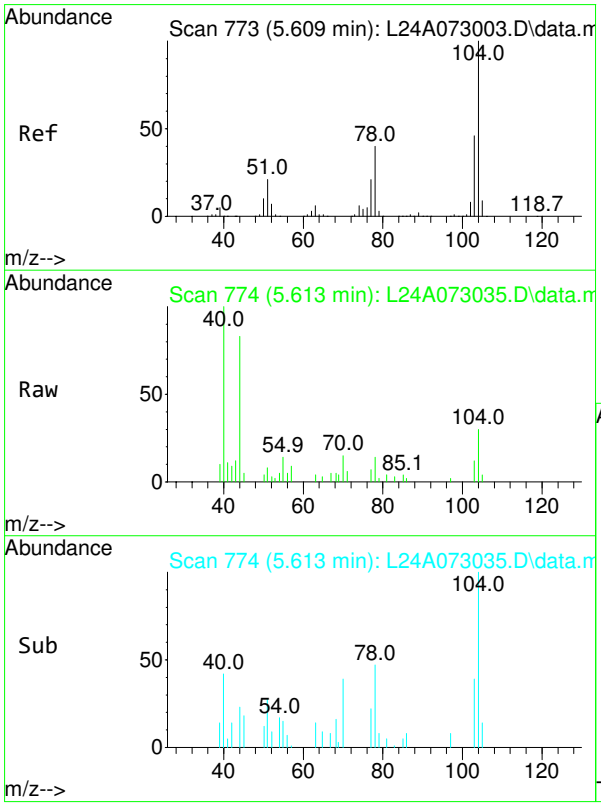


#53
M/P-XYLENE
Concen: 0.01 PPBV
RT: 5.460 min Scan# 745
Delta R.T. -0.008 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 91 Resp: 970

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.9	64.9

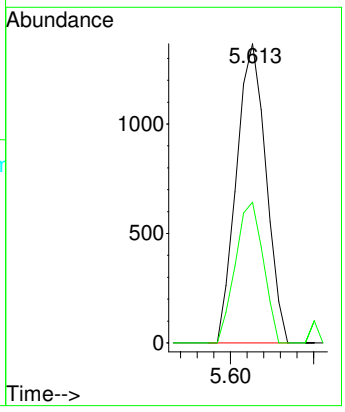


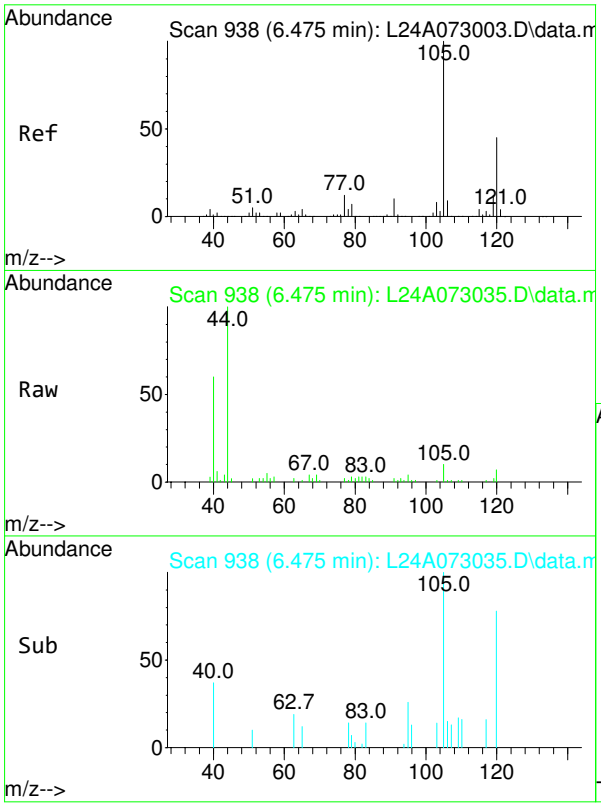


#55
STYRENE
Concen: 0.03 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:104 Resp: 1688

Ion	Ratio	Lower	Upper
104	100		
78	44.3	24.7	64.7

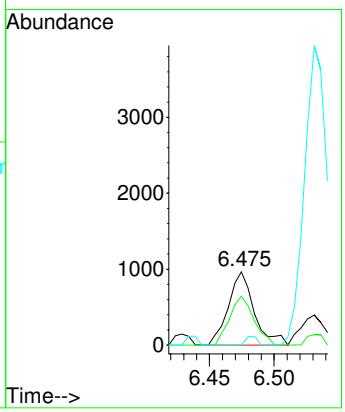


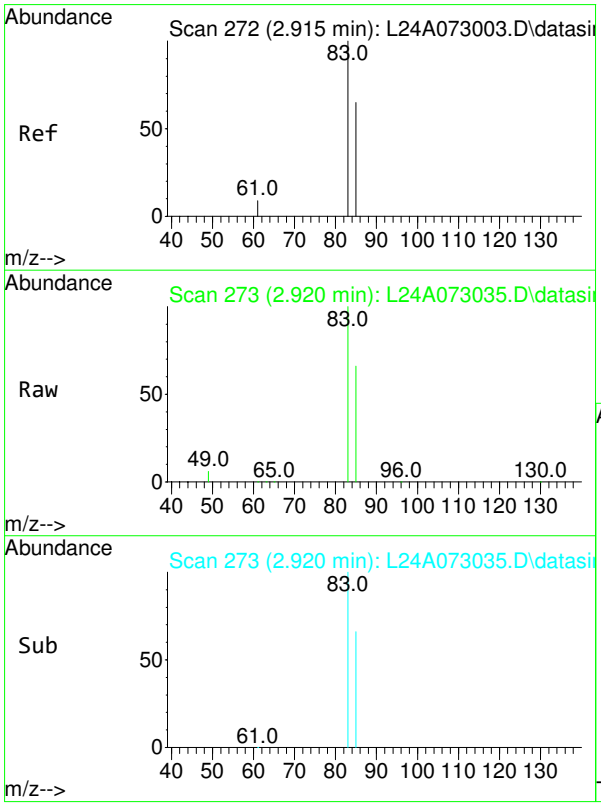


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.475 min Scan# 938
Delta R.T. -0.008 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:105 Resp: 1335

Ion	Ratio	Lower	Upper
105	100		
120	62.8	24.0	64.0
207	0.0	0.0	20.0

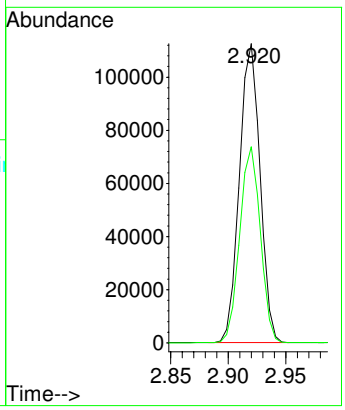


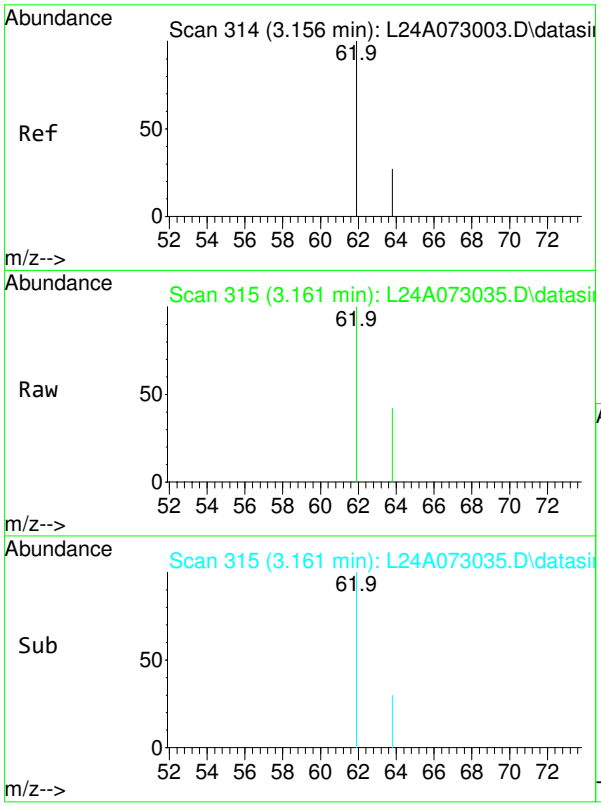


#75
CHLOROFORM (SIM)
Concen: 3.41 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 83 Resp: 138958

Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.0	85.0

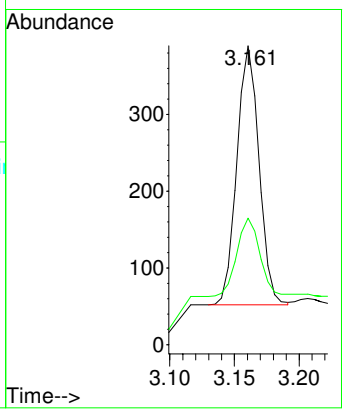


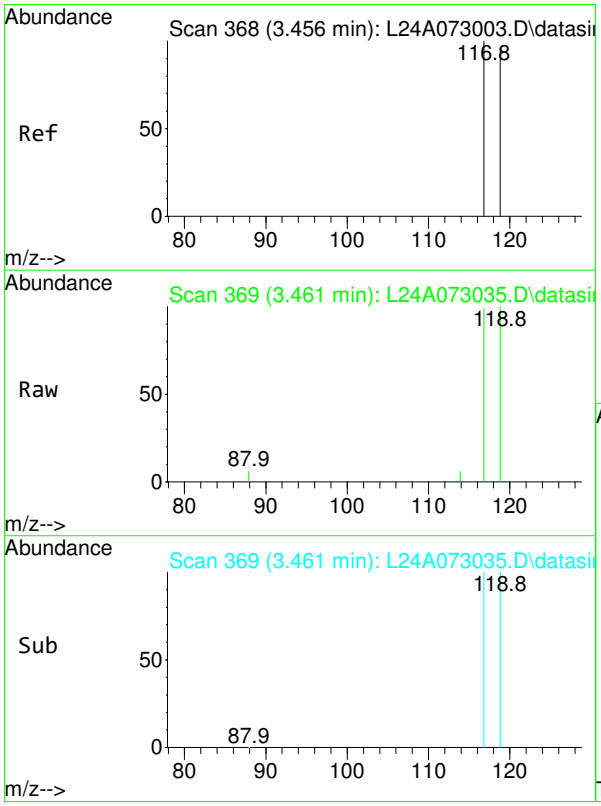


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 3.161 min Scan# 315
Delta R.T. 0.002 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion: 62 Resp: 402

Ion	Ratio	Lower	Upper
62	100		
64	31.3	7.0	47.0

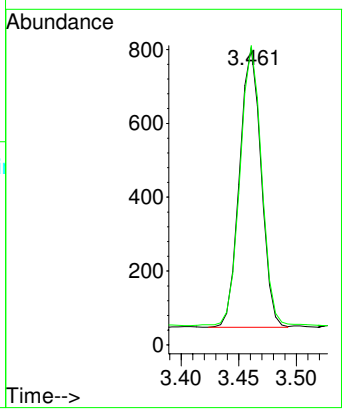




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073035.D
Acq: 14 Mar 2024 03:31 am

Tgt Ion:117 Resp: 976

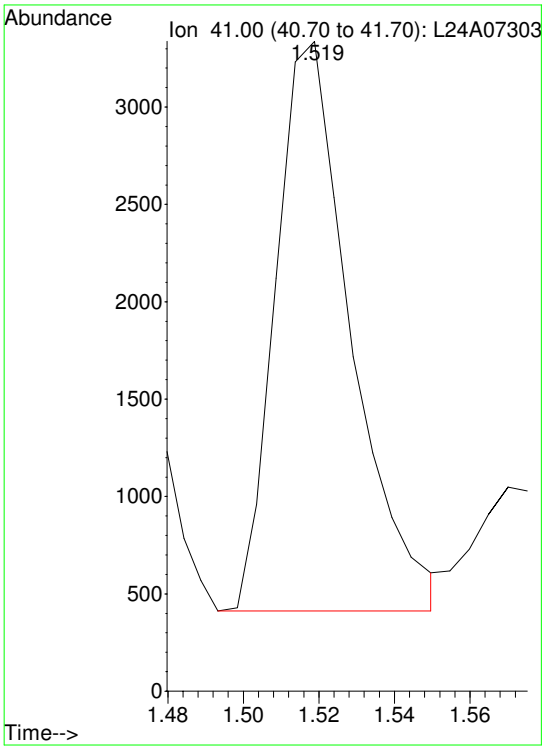
Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

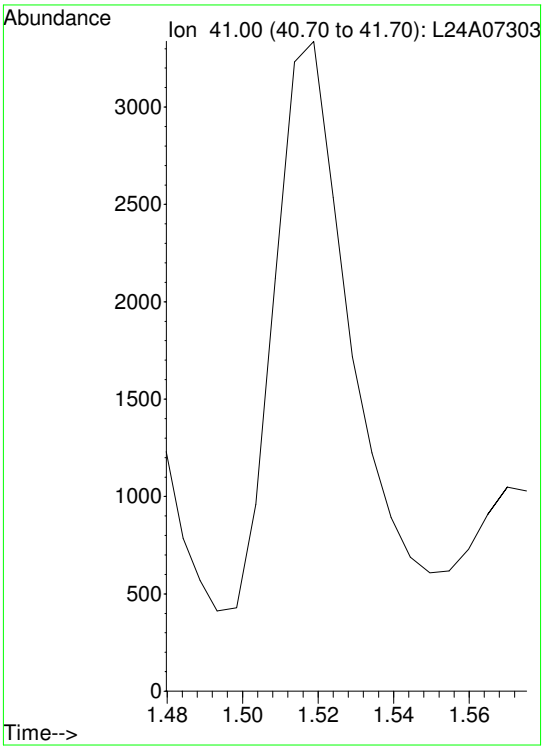
RT : 1.52
Area : 4057
Amount: 0.375399

Manual Int. Results

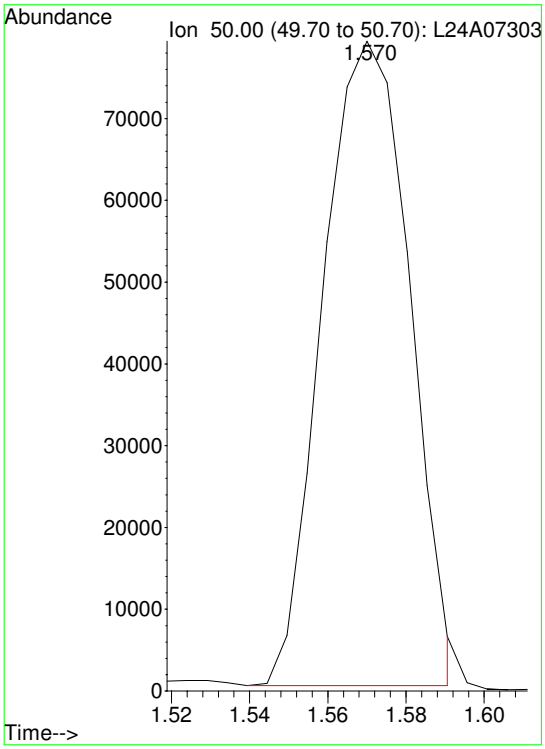
Fri Mar 15 11:20:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

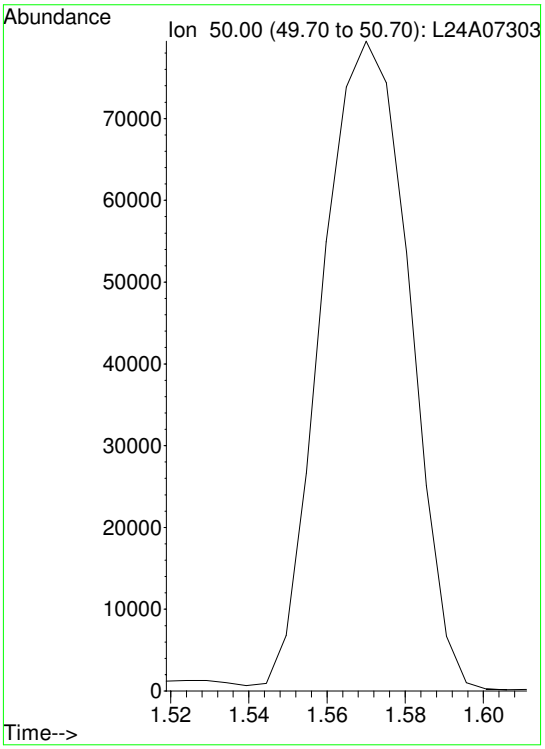
RT : 1.57
Area : 121630
Amount: 7.51706

Manual Int. Results

Fri Mar 15 11:21:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

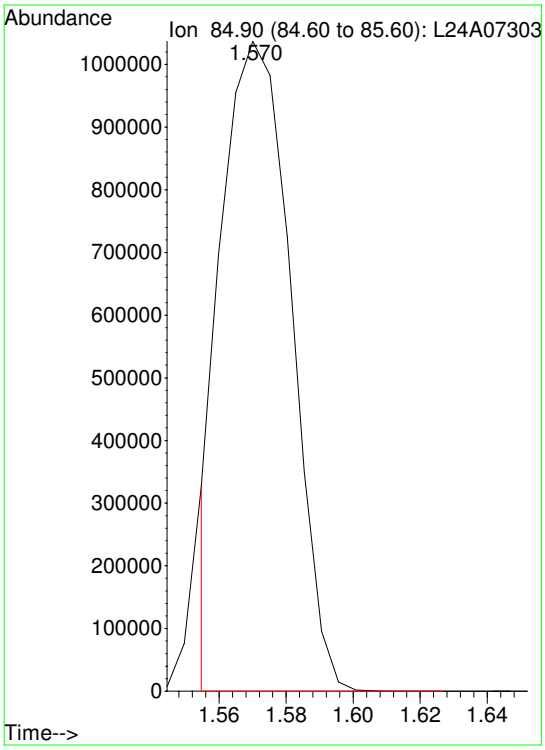
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

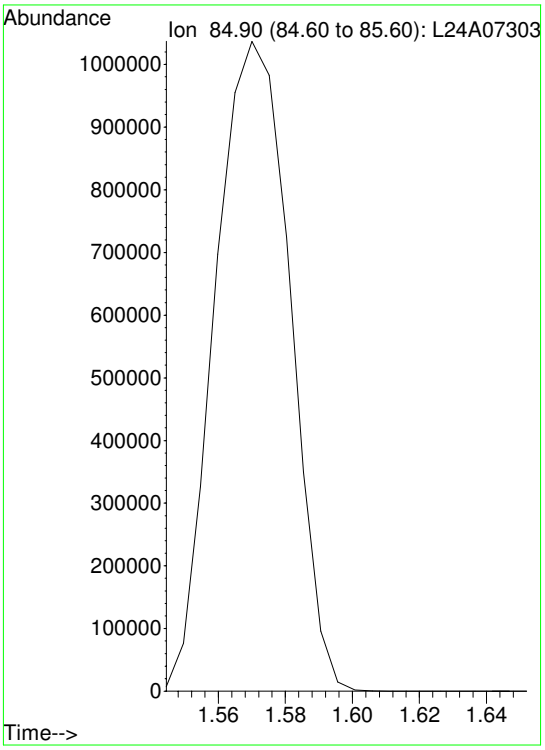
RT : 1.57
Area : 1.49313e+006
Amount: 31.5484

Manual Int. Results

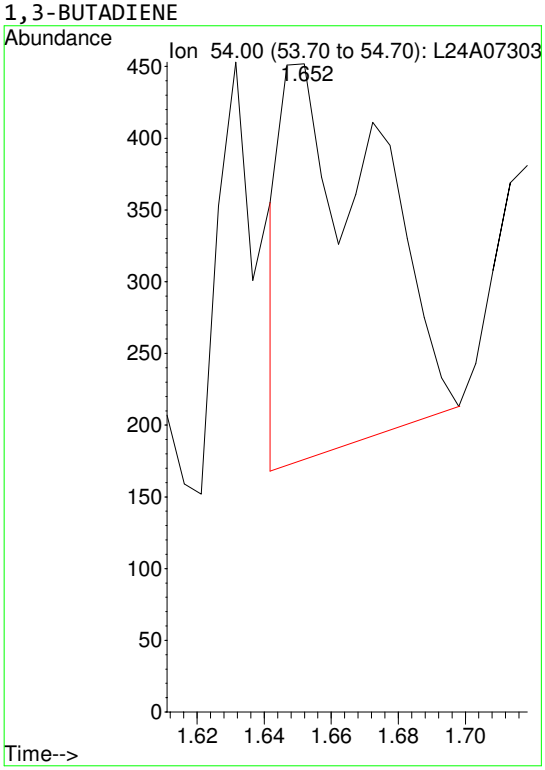
Fri Mar 15 11:21:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

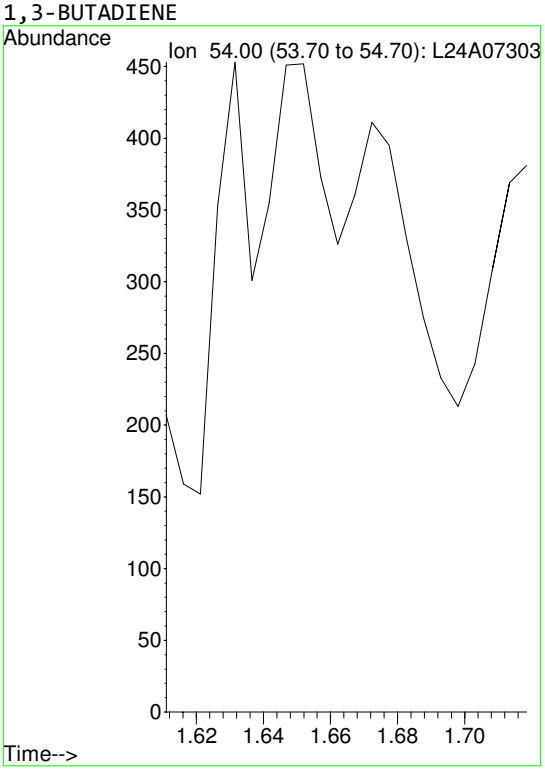
RT : 1.65
Area : 529
Amount: 0.0361932

Manual Int. Results

Fri Mar 15 11:21:16 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

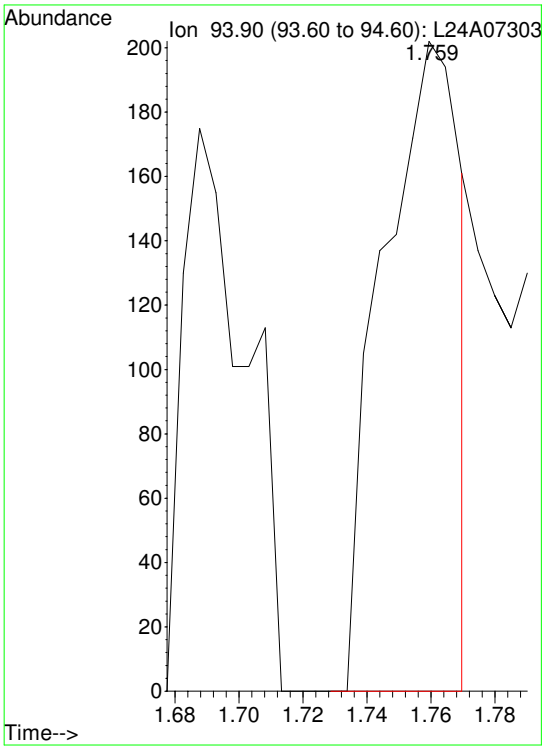
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

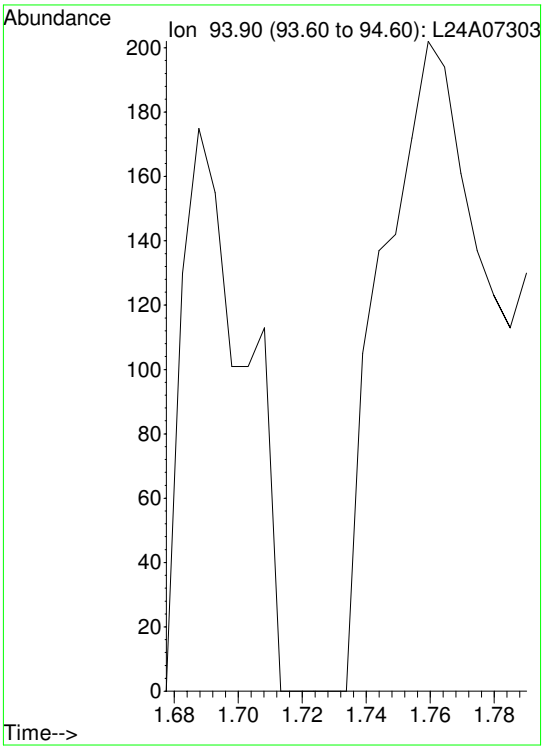
RT : 1.76
Area : 342
Amount: 0.0204422

Manual Int. Results

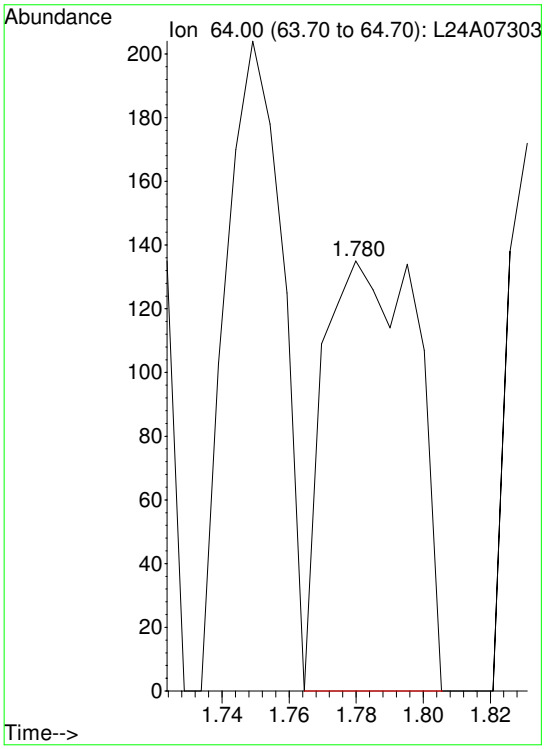
Fri Mar 15 11:21:20 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

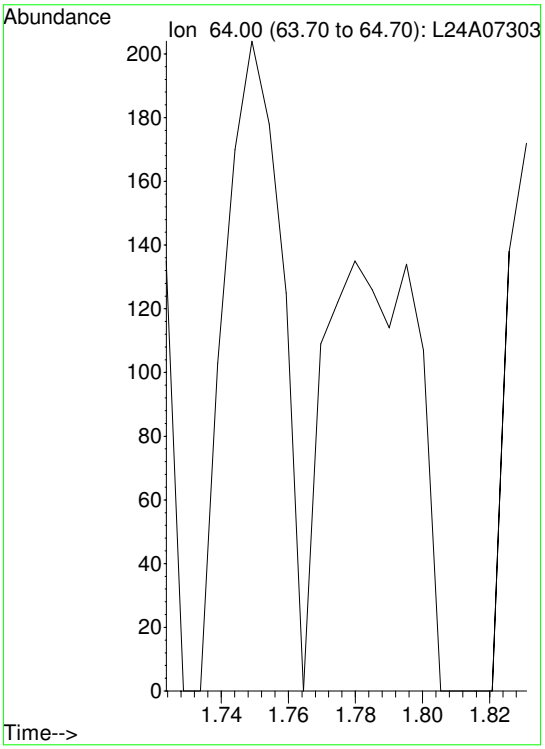
RT : 1.78
Area : 260
Amount: 0.0238111

Manual Int. Results

Fri Mar 15 11:21:23 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

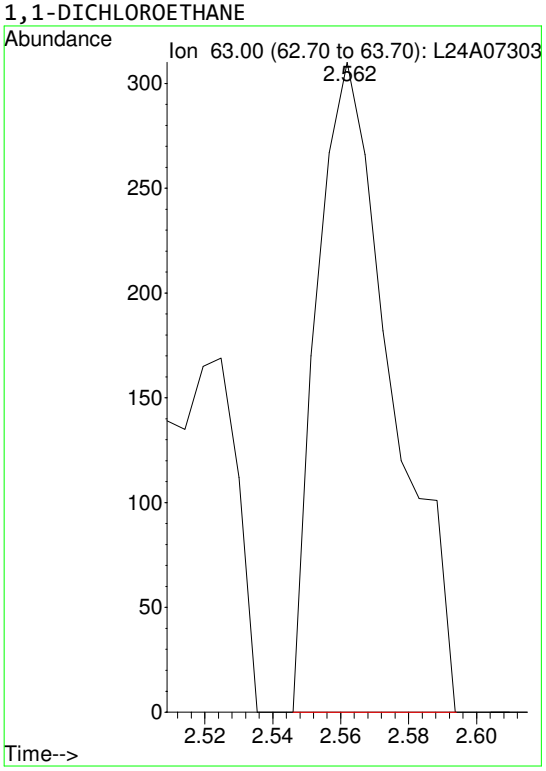
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

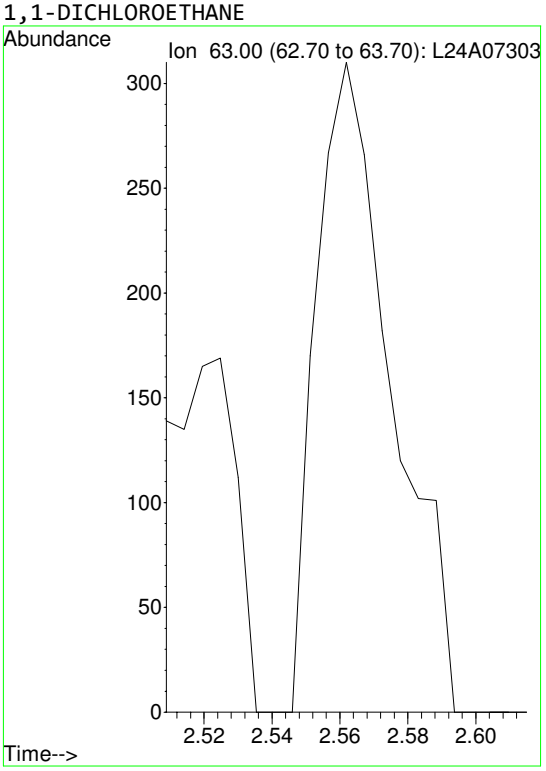
RT : 2.56
Area : 483
Amount: 0.0130765

Manual Int. Results

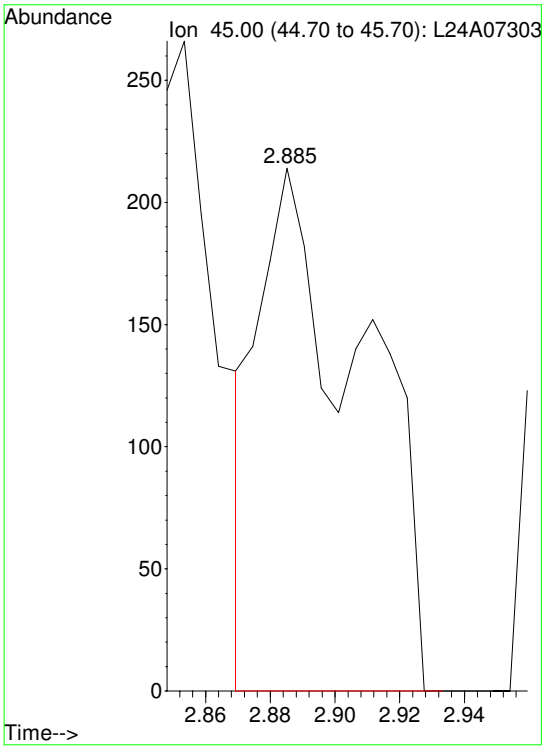
Fri Mar 15 11:21:35 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

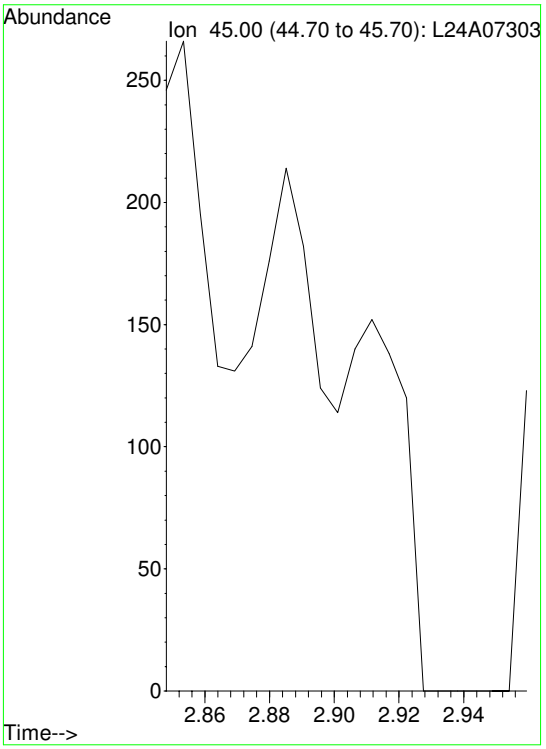
RT : 2.89
Area : 477
Amount: 0.0752542

Manual Int. Results

Fri Mar 15 11:21:44 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

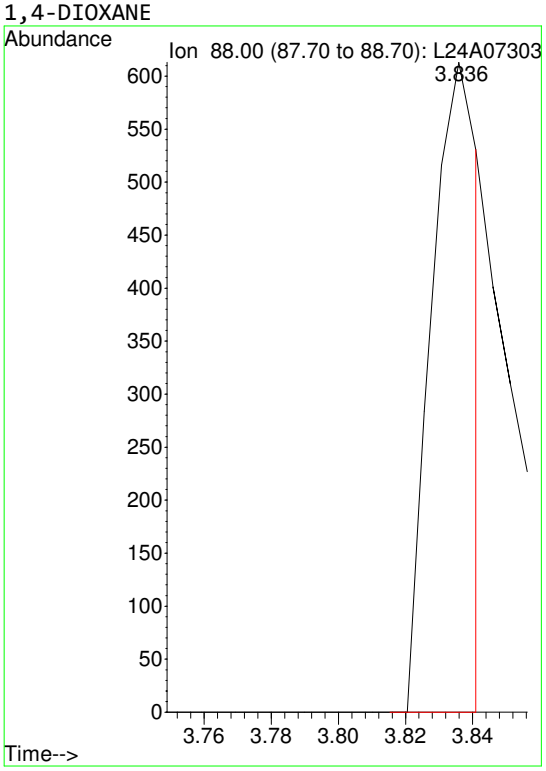
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

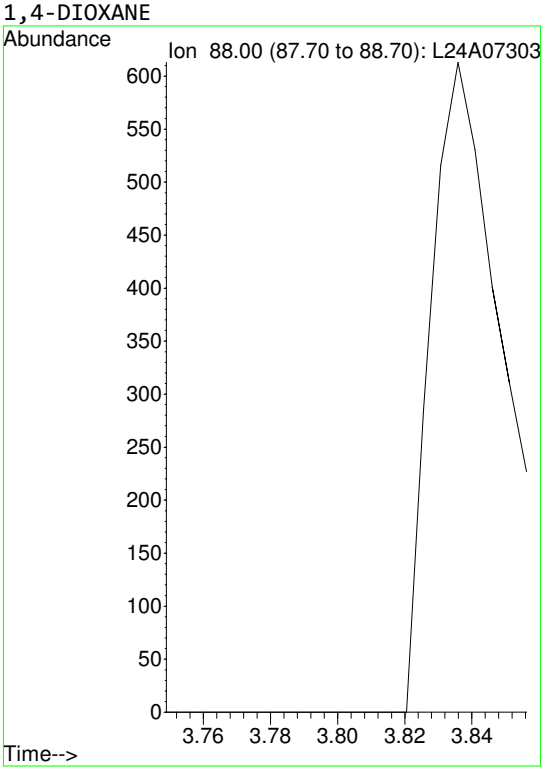
RT : 3.84
Area : 596
Amount: 0.0426483

Manual Int. Results

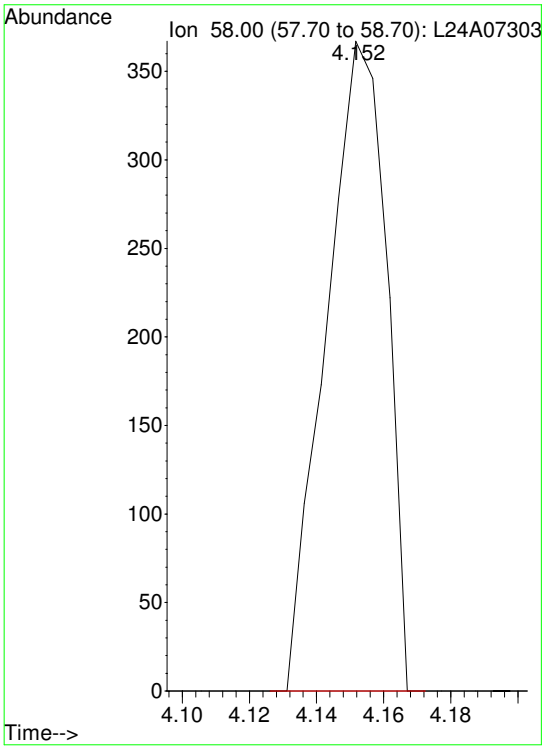
Fri Mar 15 11:21:55 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

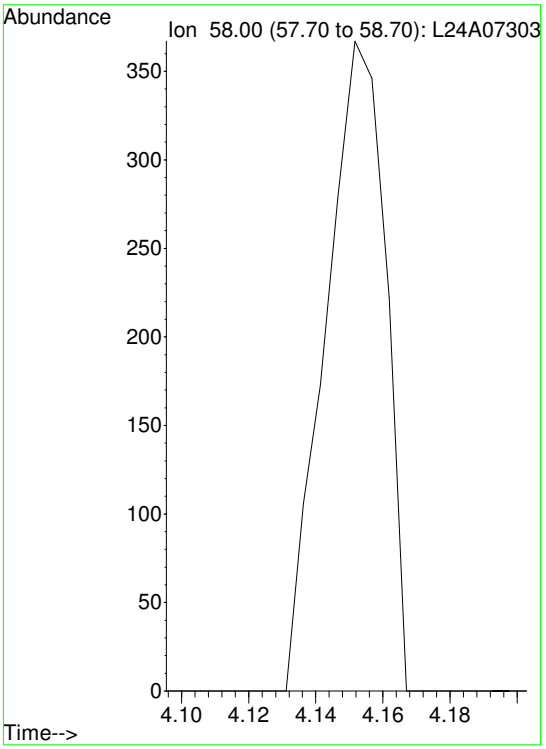
RT : 4.15
Area : 458
Amount: 0.023658

Manual Int. Results

Fri Mar 15 11:22:01 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

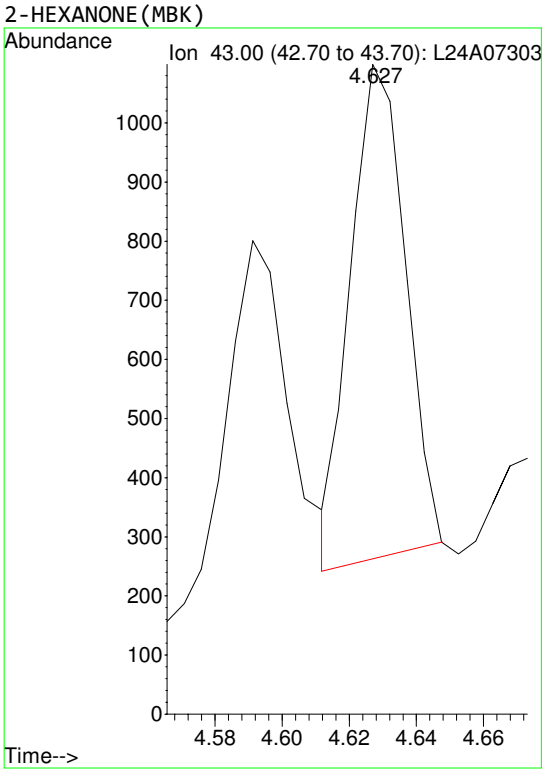
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

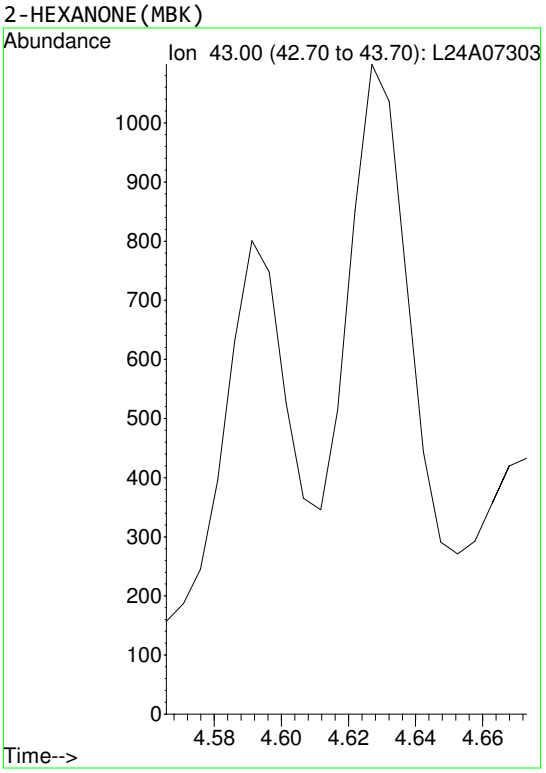
RT : 4.63
Area : 952
Amount: 0.0217701

Manual Int. Results

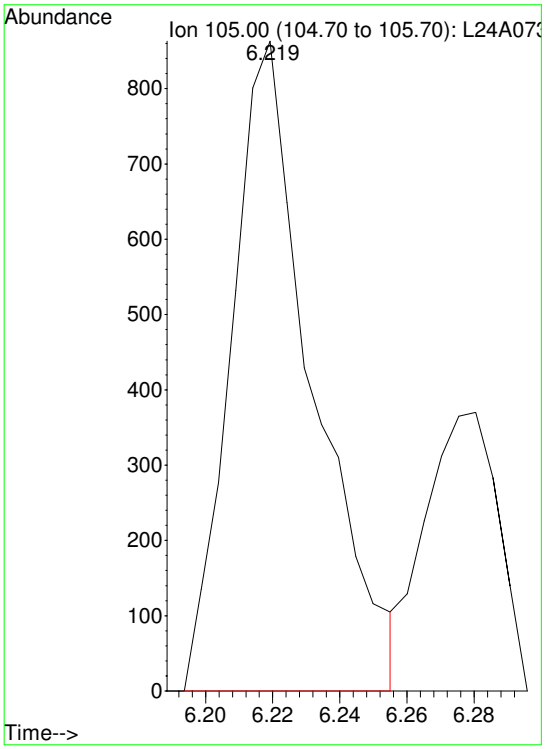
Fri Mar 15 11:22:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

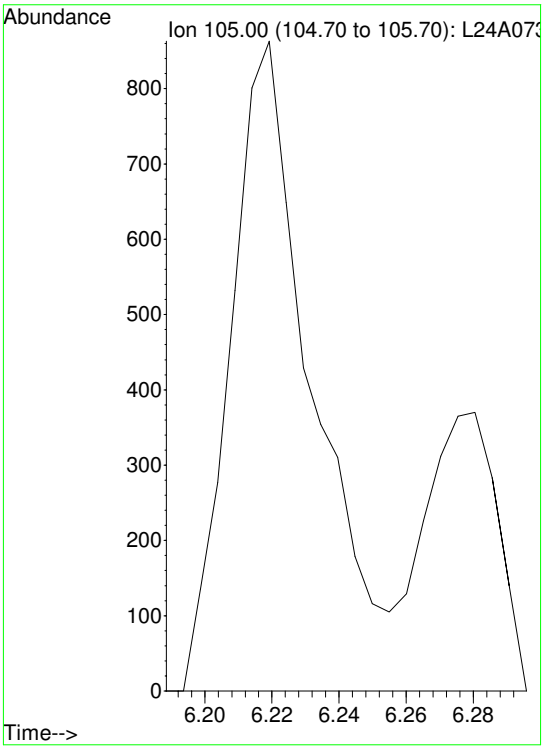
RT : 6.22
Area : 1457
Amount: 0.0160141

Manual Int. Results

Fri Mar 15 11:22:23 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

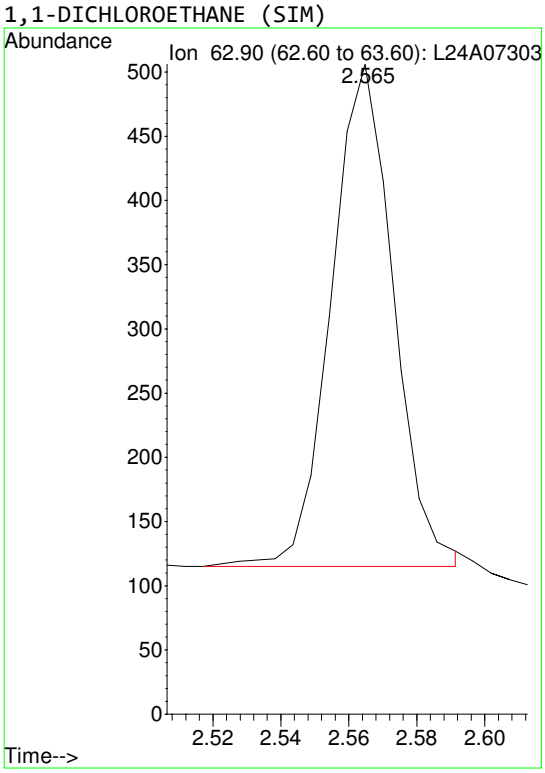
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073035.D
Acq On : 14 Mar 2024 03:31 am
Operator : CMR
Sample : 24C0251-10 2X
Misc : 1.5,1,200,150,2X

Quant Time : Fri Mar 15 11:22:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE (SIM)



Original Int. Results

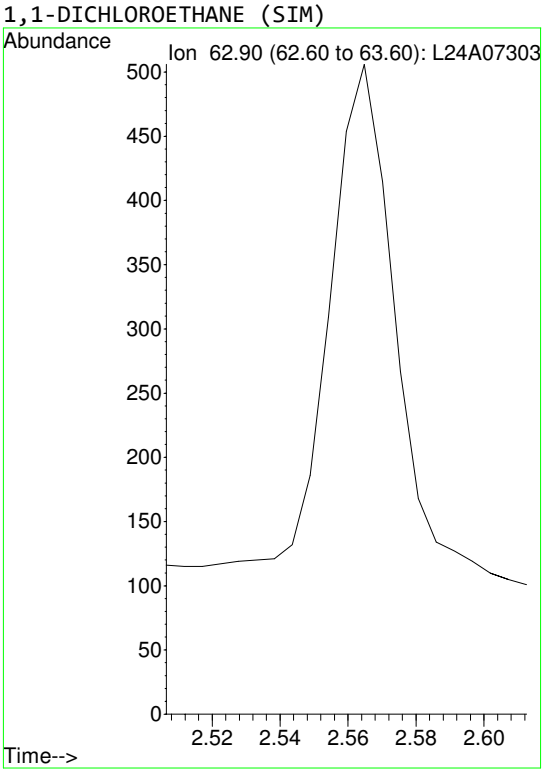
RT : 2.56
Area : 498
Amount: 0.012641

Manual Int. Results

Fri Mar 15 11:22:28 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE (SIM)



1 - FORM I
ANALYSIS DATA SHEET

IA-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-11	File ID:	L24A073034.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:03
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	21	0.71	1.4	
71-43-2	Benzene	0.13	0.011	0.035	
100-44-7	Benzyl chloride		0.019	0.035	
75-27-4	Bromodichloromethane		0.014	0.035	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0070	
75-25-2	Bromoform		0.012	0.035	
74-83-9	Bromomethane	0.031	0.030	0.035	J
106-99-0	1,3-Butadiene		0.029	0.035	
78-93-3	2-Butanone (MEK)	68	0.68	1.4	E
75-15-0	Carbon Disulfide		0.067	0.35	
56-23-5	Carbon Tetrachloride	0.070	0.027	0.035	
56-23-5	Carbon Tetrachloride (SIM)	0.071	0.0014	0.0070	
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.039	0.017	0.035	
67-66-3	Chloroform (SIM)	0.041	0.0018	0.0070	
74-87-3	Chloromethane	0.64	0.047	0.070	
110-82-7	Cyclohexane	0.064	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.012	0.035	
541-73-1	1,3-Dichlorobenzene		0.013	0.035	
106-46-7	1,4-Dichlorobenzene	0.074	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.46	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	
75-34-3	1,1-Dichloroethane (SIM)		0.0024	0.0070	
107-06-2	1,2-Dichloroethane	0.089	0.013	0.035	
107-62-2	1,2-Dichloroethane (SIM)	0.085	0.0014	0.0070	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0070	

1 - FORM I
ANALYSIS DATA SHEET

IA-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-11	File ID:	L24A073034.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:03
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941	Instrument:	SYSL

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0070	
78-87-5	1,2-Dichloropropane		0.026	0.035	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0070	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0070	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0070	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	0.017	0.014	0.035	J
123-91-1	1,4-Dioxane		0.17	0.35	
64-17-5	Ethanol	440	0.92	1.4	E
141-78-6	Ethyl Acetate	0.66	0.14	0.35	
100-41-4	Ethylbenzene	0.058	0.012	0.035	
622-96-8	4-Ethyltoluene	0.084	0.015	0.035	
142-82-5	Heptane	0.19	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.020	0.035	
110-54-3	Hexane		0.73	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.035	
67-63-0	Isopropanol	27	0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.13	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.035	
91-20-3	Naphthalene	0.059	0.028	0.035	
115-07-1	Propene		0.77	1.4	
100-42-5	Styrene	0.33	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0070	
127-18-4	Tetrachloroethylene		0.030	0.035	

1 - FORM I
ANALYSIS DATA SHEET

IA-DUP-28022024

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science &			Project:	DW_South Shore Outdoor (AIR)
Matrix:	Indoor air	Laboratory ID:	24C0251-11	File ID:	L24A073034.D
Sampled:	02/28/24 00:00	Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:03
Solids:		Preparation:	TO-15 Prep	Dilution:	0.696
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
109-99-9	Tetrahydrofuran		0.13	0.35	
108-88-3	Toluene	0.48	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.035	
71-55-6	1,1,1-Trichloroethane		0.011	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00089	0.0070	
79-01-6	Trichloroethylene		0.027	0.035	
79-01-6	Trichloroethylene (SIM)		0.0023	0.0070	
75-69-4	Trichlorofluoromethane (Freon 11)	0.22	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.069	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.65	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.18	0.027	0.035	
108-05-4	Vinyl Acetate	0.76	0.14	0.70	
75-01-4	Vinyl Chloride		0.018	0.035	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0070	
179601-23-1	m&p-Xylene	0.16	0.024	0.070	
95-47-6	o-Xylene	0.087	0.013	0.035	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073034.D Vial: 30
Acq On : 14 Mar 2024 03:03 am Operator: CMR
Sample : 24C0251-11 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:04 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073034.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.864	49	204351	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.537	114	606534	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	572039	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.866	49	221959	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	647380	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	634361	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	298448	7.580	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.75%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	311138	7.661	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.75%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.534	85	29924	0.663	PPBV	100
4) CHLOROMETHANE	1.570	50	14227	0.913	PPBV	96
5) FREON 114	1.601	85	1084	0.024	PPBV	86
8) BROMOMETHANE	1.729	94	732	0.045	PPBV #	52
10) ACROLEIN	1.897	56	9487	1.170	PPBV	92
11) ACETONE	1.933	43	850622	29.673	PPBV	75
12) TRICHLOROFLUOROMETHANE	1.989	101	14751	0.318	PPBV	100
13) ETHANOL	1.805	45	2796532	631.948	PPBV	98
15) METHYLENE CHLORIDE	2.206	49	4075	0.183	PPBV	85
16) FREON 113	2.296	101	3646	0.099	PPBV	99
17) CARBON DISULFIDE	2.296	76	1512	0.029	PPBV	77
20) MTBE	2.577	73	705	0.013	PPBV #	1
21) IPA	2.005	45	1159052	38.431	PPBV	96
22) 2-BUTANONE(MEK)	2.678	43	3460200	98.046	PPBV	85
24) VINYL ACETATE	2.599	43	40990	1.096	PPBV	74
25) HEXANE	2.895	41	3514	0.185	PPBV	95
26) ETHYL ACETATE	2.895	45	5776	0.946	PPBV #	53
27) CHLOROFORM	2.911	83	2077	0.056	PPBV	81
28) TETRAHYDROFURAN	3.060	42	3333	0.143	PPBV #	73
29) 1,2-DICHLOROETHANE	3.152	62	3197	0.128	PPBV	98
32) BENZENE	3.399	78	10017	0.182	PPBV	91
33) CARBON TETRACHLORIDE	3.452	117	3880	0.100	PPBV	88
34) CYCLOHEXANE	3.500	84	2122	0.092	PPBV #	56
39) METHYLMETHACRYLATE	3.877	69	7360	0.384	PPBV #	83
40) HEPTANE	3.918	57	4828	0.278	PPBV #	78
46) TOLUENE	4.489	91	46208	0.689	PPBV	100
50) TETRACHLOROETHENE	4.939	166	1018	0.034	PPBV	85
52) ETHYLBENZENE	5.380	91	7016	0.083	PPBV	97
53) M/P-XYLENE	5.455	91	16260	0.234	PPBV	95
55) STYRENE	5.608	104	22993	0.481	PPBV	95
56) O-XYLENE	5.656	91	8509	0.125	PPBV	97
59) 4-ETHYLTOLUENE	6.231	105	10742m	0.120	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.277	105	19584	0.260	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	68631	0.940	PPBV	93
64) 1,4-DICHLOROBENZENE	6.569	146	4438	0.107	PPBV	94
67) NAPHTHALENE	7.796	128	5768	0.085	PPBV	93
75] CHLOROFORM (SIM)	2.914	83	2308	0.059	PPBV	93
76] 1,2-DICHLOROETHANE (SIM)	3.155	62	3162	0.122	PPBV	99
78] CARBON TETRACHLORIDE (...	3.455	117	4407	0.102	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073034.D Vial: 30
Acq On : 14 Mar 2024 03:03 am Operator: CMR
Sample : 24C0251-11 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:04 2024

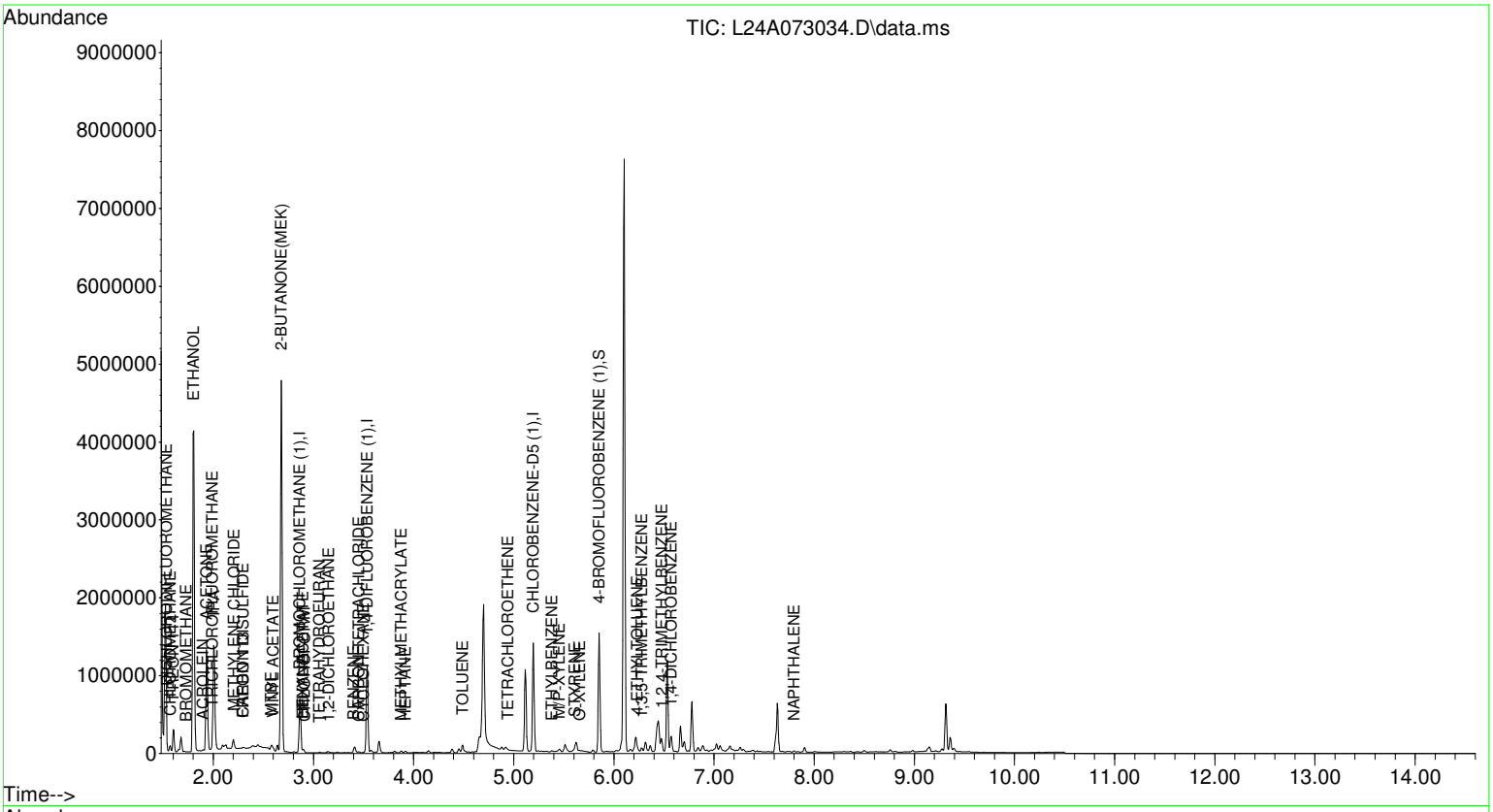
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073034.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

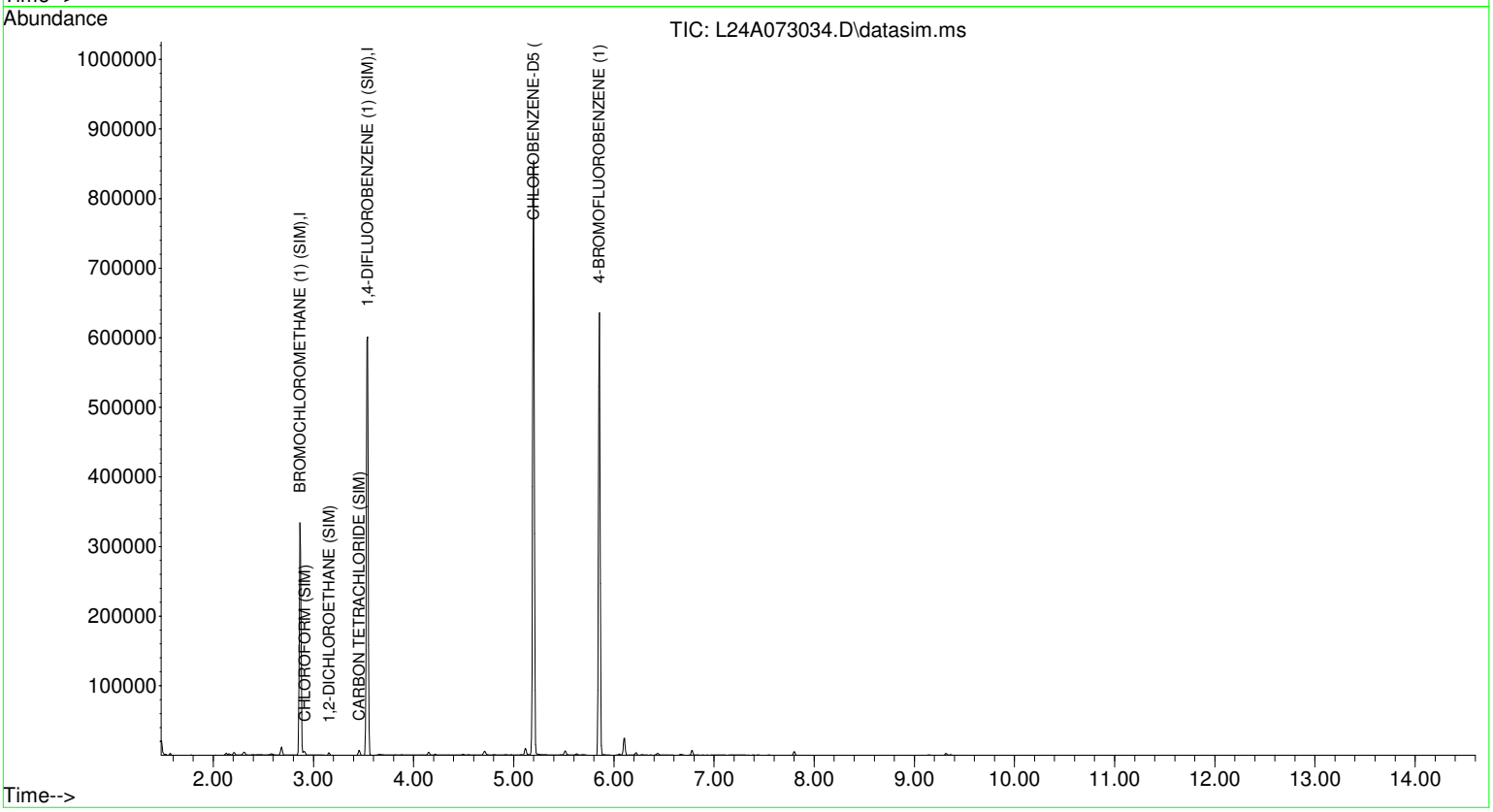
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

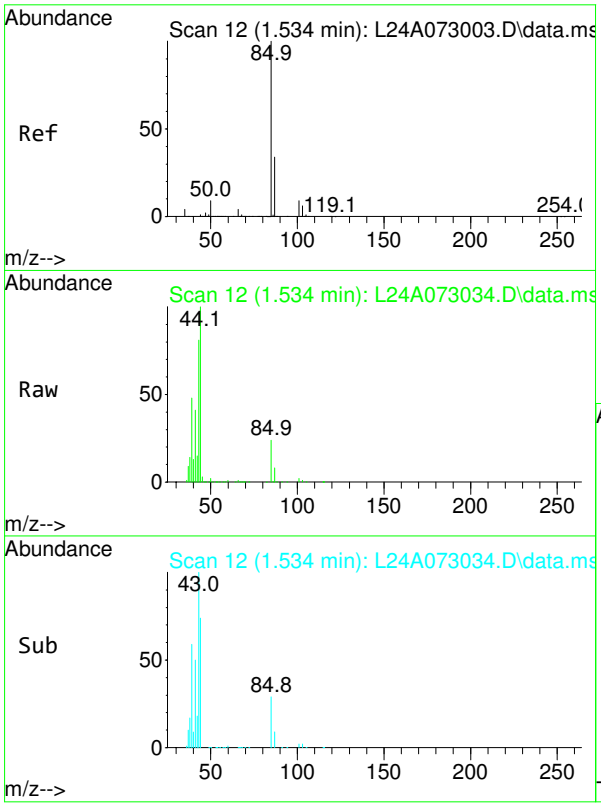
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073034.D Vial: 30
Acq On : 14 Mar 2024 03:03 am Operator: CMR
Sample : 24C0251-11 0.7X Inst : SYSL
Misc : 1.74,1,200,500,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:39:04 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073034.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



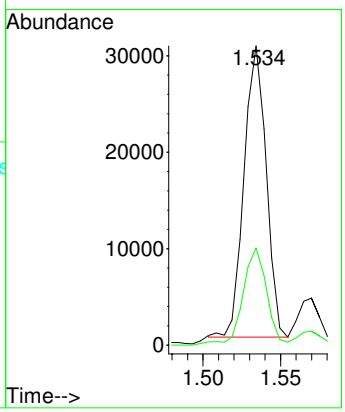


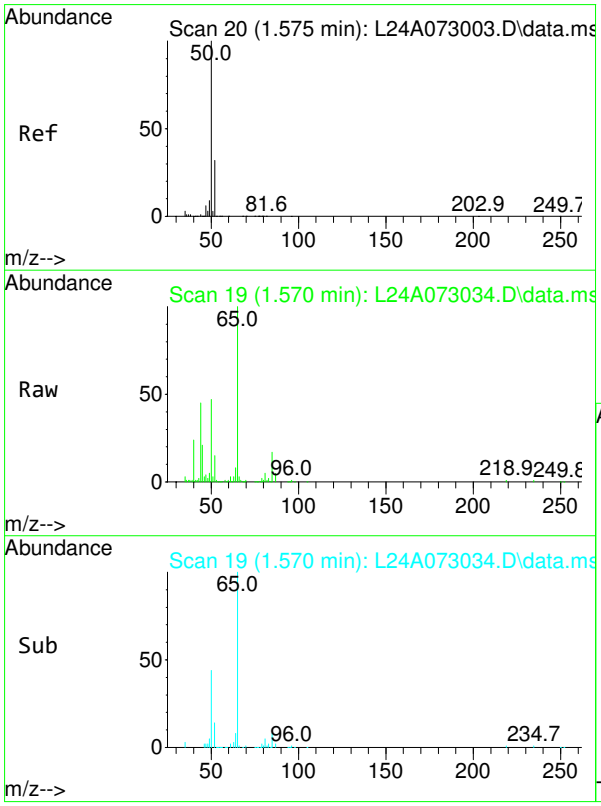


#3
DICHLORODIFLUOROMETHANE
Concen: 0.66 PPBV
RT: 1.534 min Scan# 12
Delta R.T. -0.001 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 85 Resp: 29924

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.0	52.0

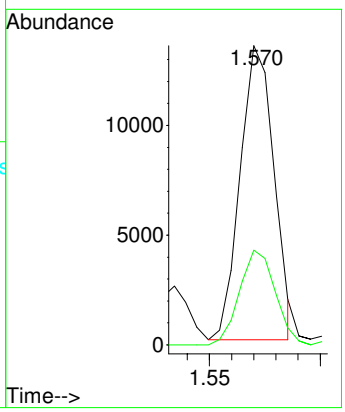


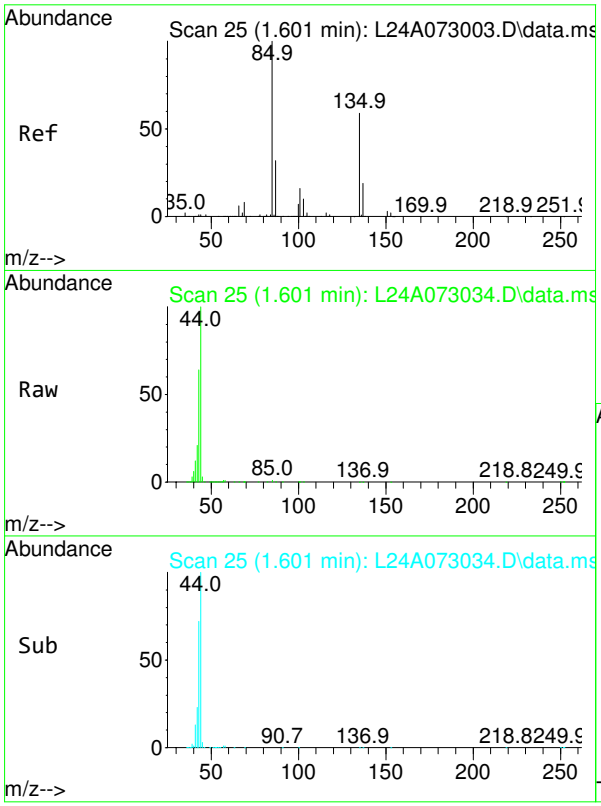


#4
CHLOROMETHANE
Concen: 0.91 PPBV
RT: 1.570 min Scan# 19
Delta R.T. -0.002 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 50 Resp: 14227

Ion	Ratio	Lower	Upper
50	100		
52	33.5	11.2	51.2

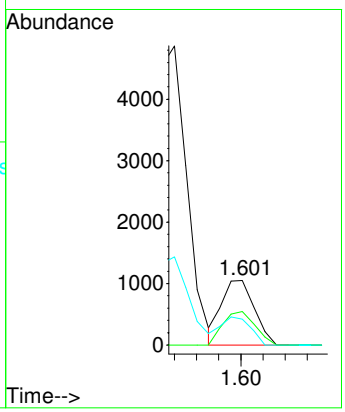


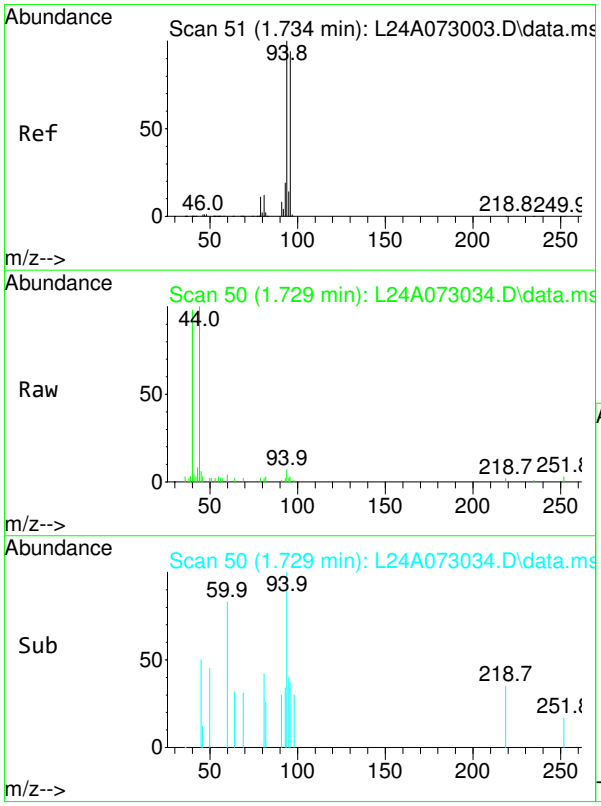


#5
FREON 114
Concen: 0.02 PPBV
RT: 1.601 min Scan# 25
Delta R.T. 0.003 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 85 Resp: 1084

Ion	Ratio	Lower	Upper
85	100		
135	50.9	41.5	81.5
87	40.0	12.1	52.1

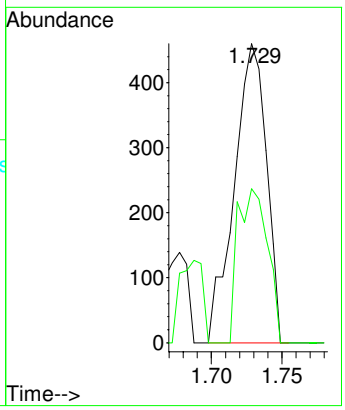


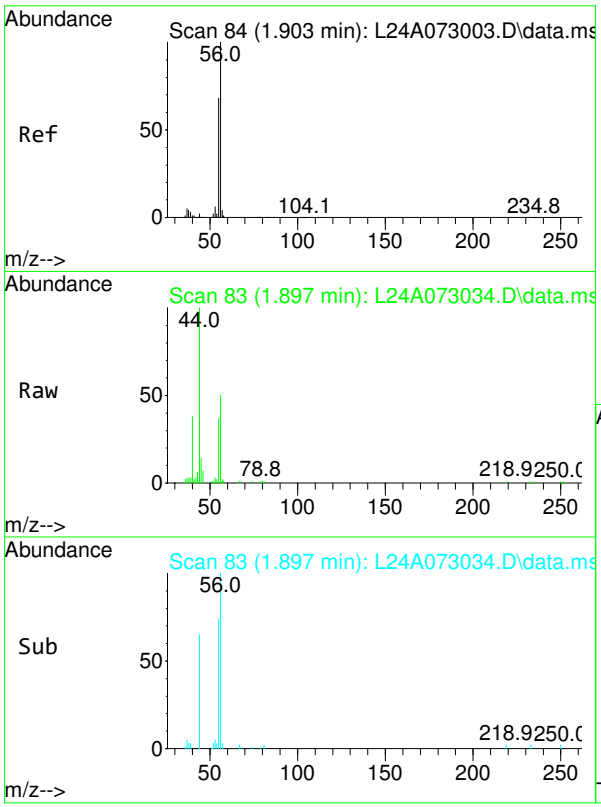


#8
BROMOMETHANE
Concen: 0.05 PPBV
RT: 1.729 min Scan# 50
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 94 Resp: 732

Ion	Ratio	Lower	Upper
94	100		
96	47.5	73.3	113.3#

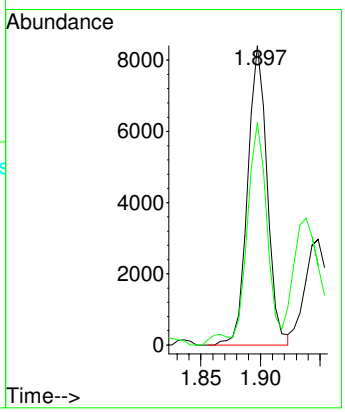


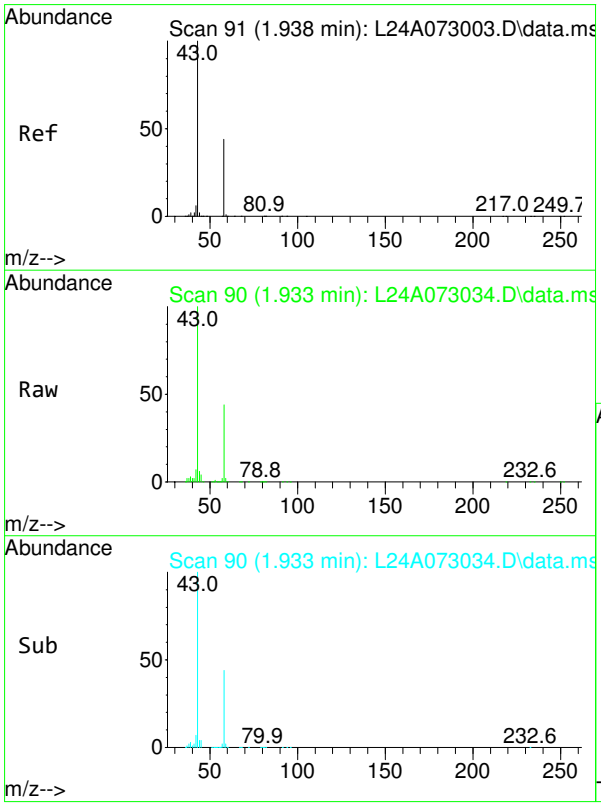


#10
ACROLEIN
Concen: 1.17 PPBV
RT: 1.897 min Scan# 83
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 56 Resp: 9487

Ion	Ratio	Lower	Upper
56	100		
55	77.8	51.4	91.4

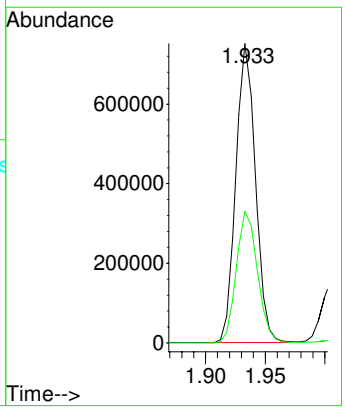


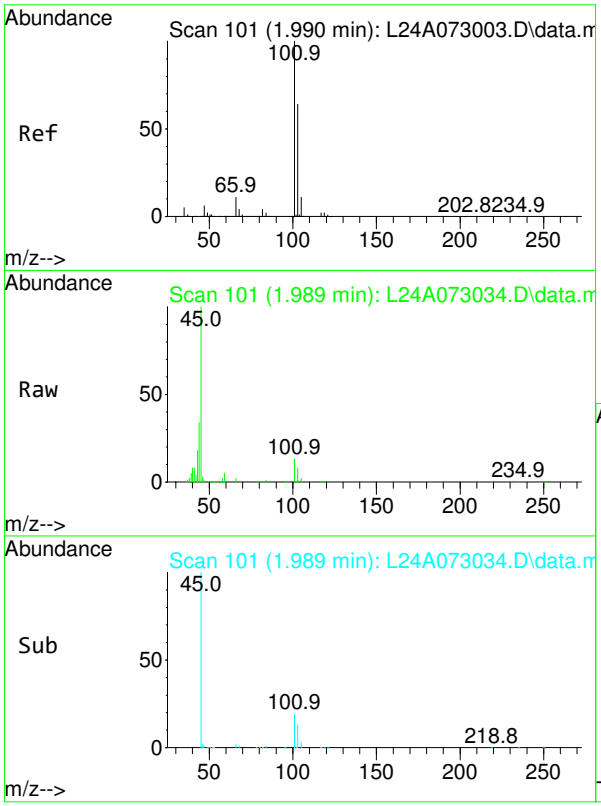


#11
ACETONE
Concen: 29.67 PPBV
RT: 1.933 min Scan# 90
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 43 Resp: 850622

Ion	Ratio	Lower	Upper
43	100		
58	47.5	13.1	53.1

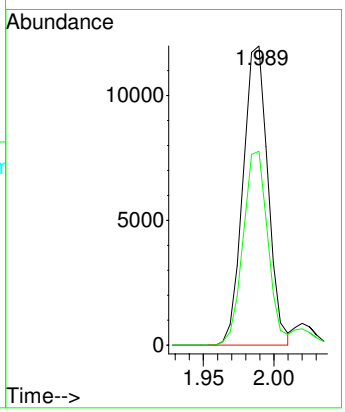


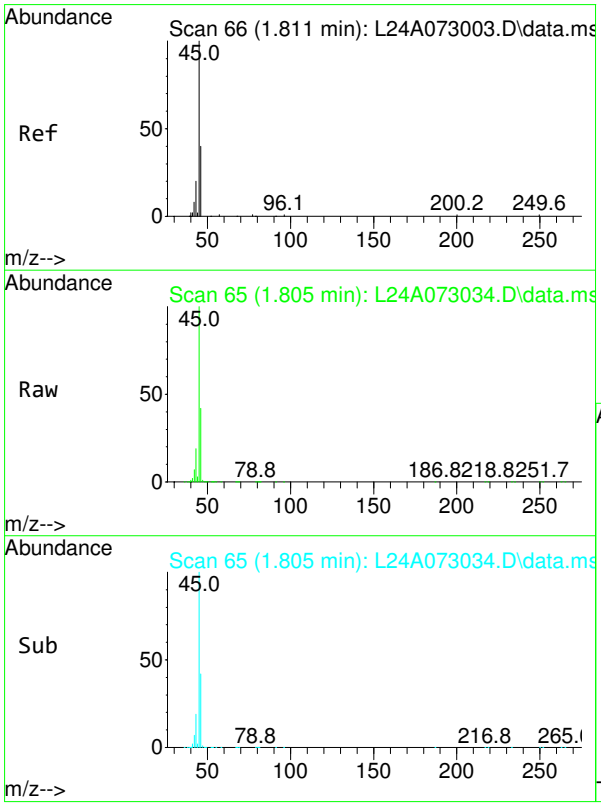


#12
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 1.989 min Scan# 101
Delta R.T. 0.002 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:101 Resp: 14751

Ion	Ratio	Lower	Upper
101	100		
103	64.6	44.7	84.7

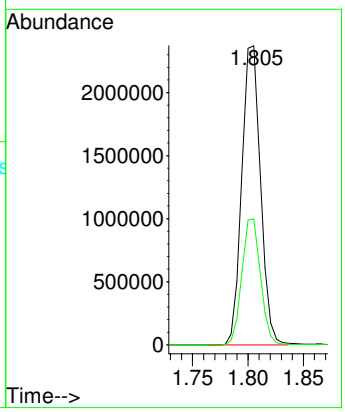


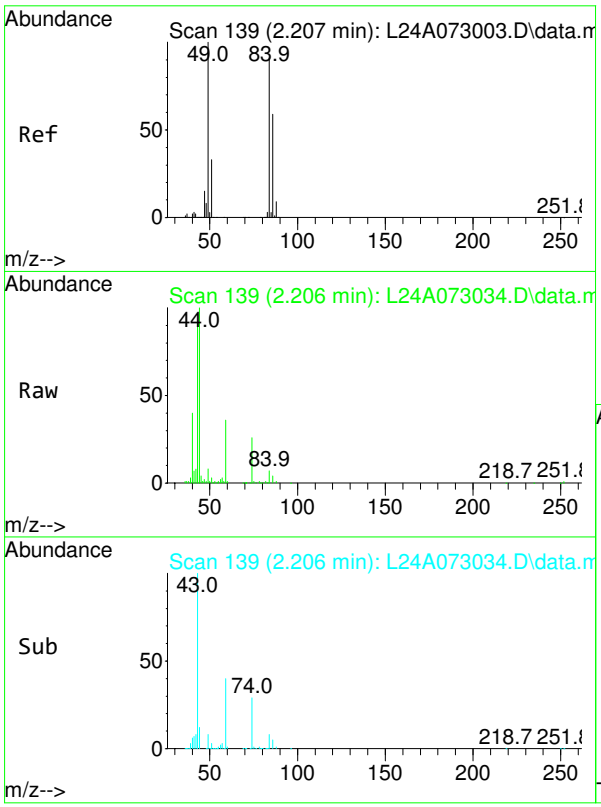


#13
ETHANOL
Concen: 631.95 PPBV
RT: 1.805 min Scan# 65
Delta R.T. -0.003 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 45 Resp: 2796532

Ion	Ratio	Lower	Upper
45	100		
46	41.9	20.5	60.5

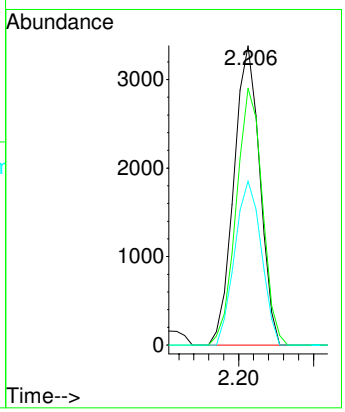


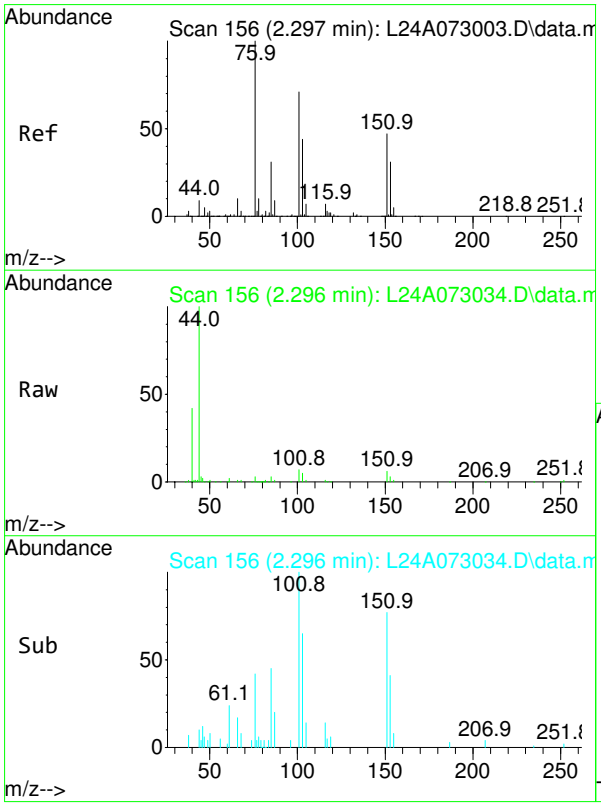


#15
METHYLENE CHLORIDE
Concen: 0.18 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 49 Resp: 4075

Ion	Ratio	Lower	Upper
49	100		
84	86.1	52.0	92.0
86	56.0	27.3	67.3

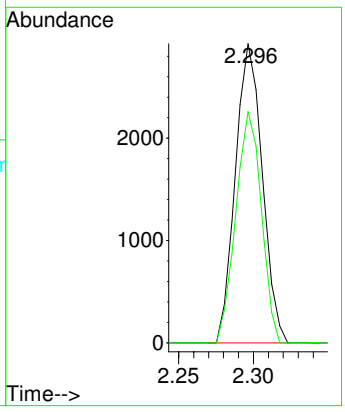


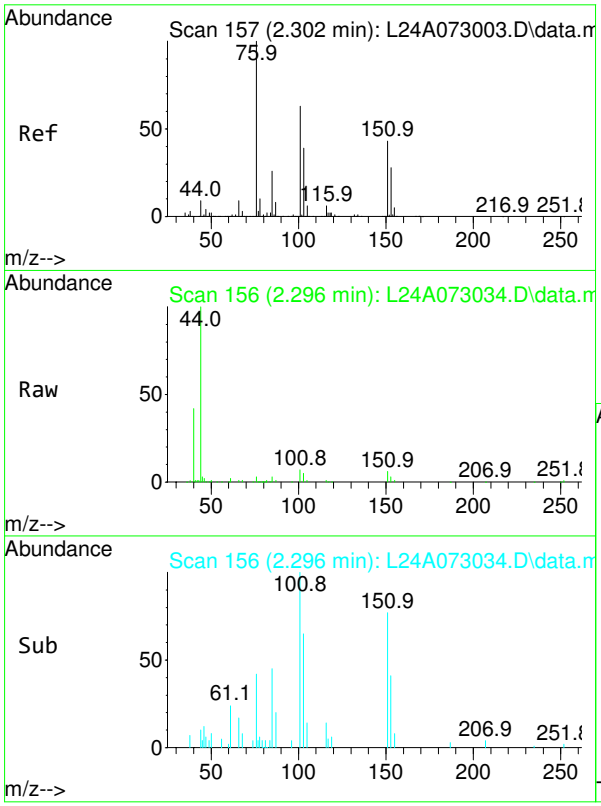


#16
FREON 113
Concen: 0.10 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:101 Resp: 3646

Ion	Ratio	Lower	Upper
101	100		
151	73.2	52.3	92.3

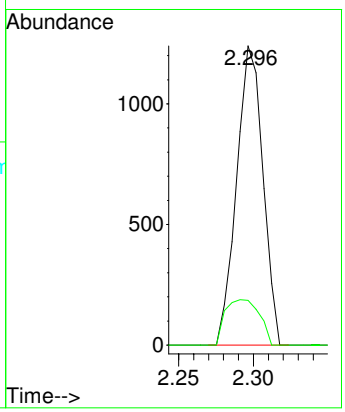


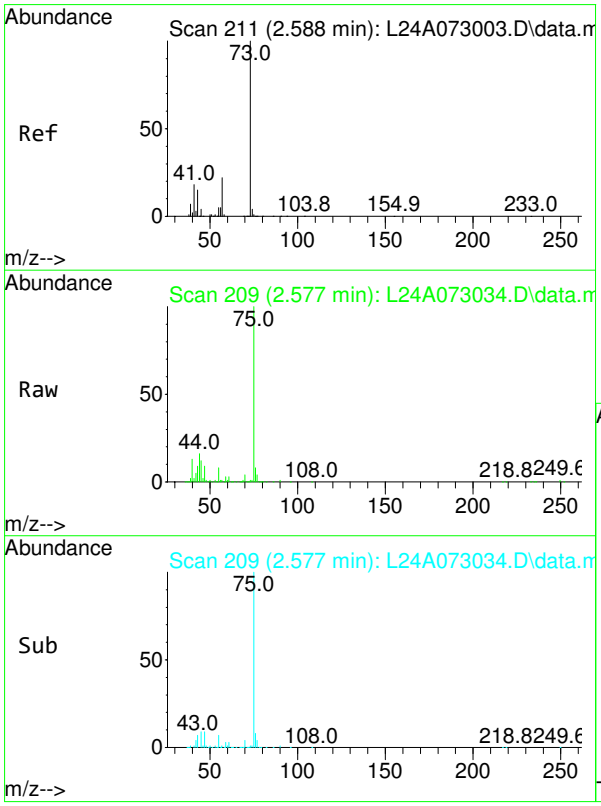


#17
CARBON DISULFIDE
Concen: 0.03 PPBV
RT: 2.296 min Scan# 156
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 76 Resp: 1512

Ion	Ratio	Lower	Upper
76	100		
78	19.8	0.0	31.1

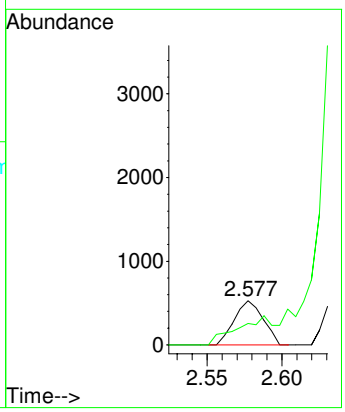


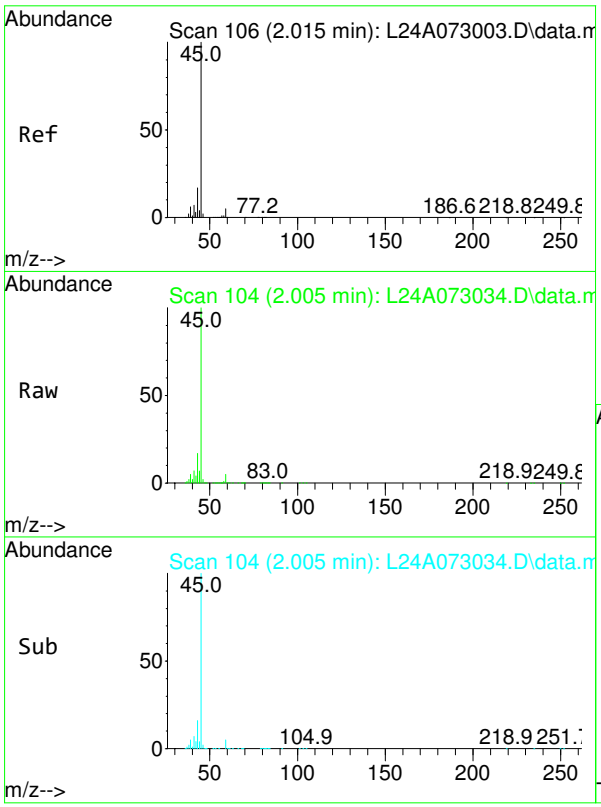


#20
MTBE
Concen: 0.01 PPBV
RT: 2.577 min Scan# 209
Delta R.T. -0.012 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 73 Resp: 705

Ion	Ratio	Lower	Upper
73	100		
57	87.8	4.6	44.6#

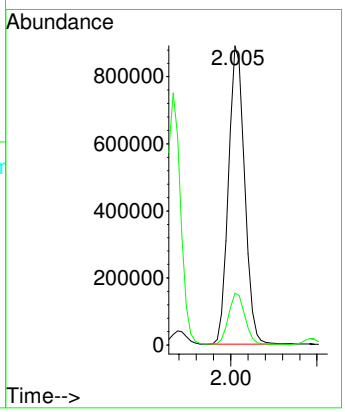


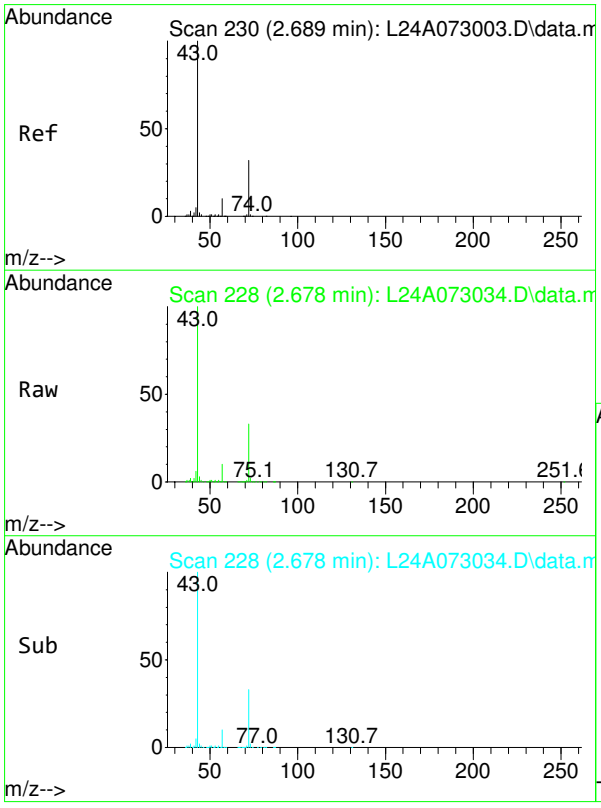


#21
IPA
Concen: 38.43 PPBV
RT: 2.005 min Scan# 104
Delta R.T. -0.008 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 45 Resp: 1159052

Ion	Ratio	Lower	Upper
45	100		
43	17.4	0.0	39.3

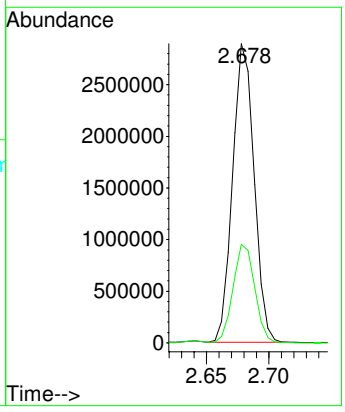


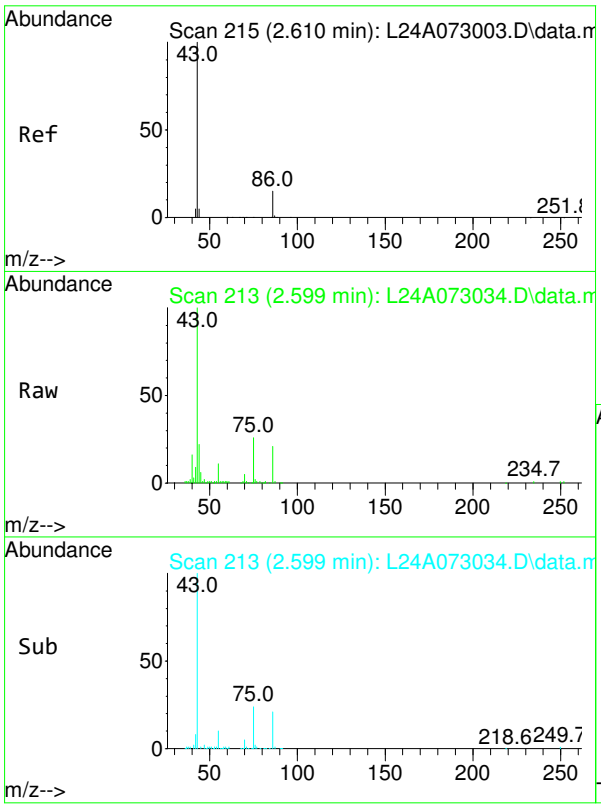


#22
2-BUTANONE(MEK)
Concen: 98.05 PPBV
RT: 2.678 min Scan# 228
Delta R.T. -0.009 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 43 Resp: 3460200

Ion	Ratio	Lower	Upper
43	100		
72	33.2	5.6	45.6

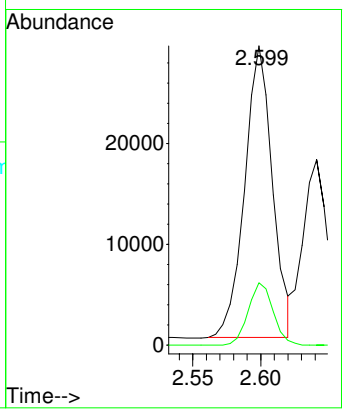


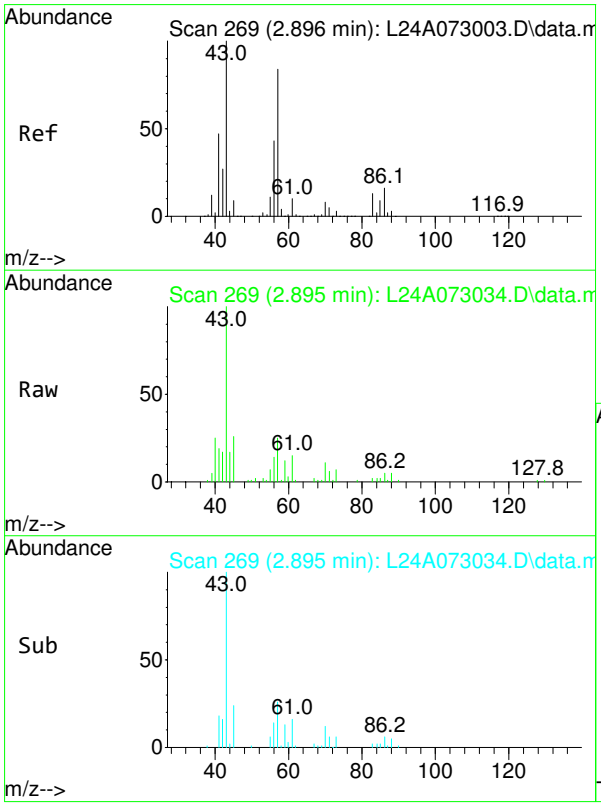


#24
VINYL ACETATE
Concen: 1.10 PPBV
RT: 2.599 min Scan# 213
Delta R.T. -0.012 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 43 Resp: 40990

Ion	Ratio	Lower	Upper
43	100		
86	19.1	0.0	19.5

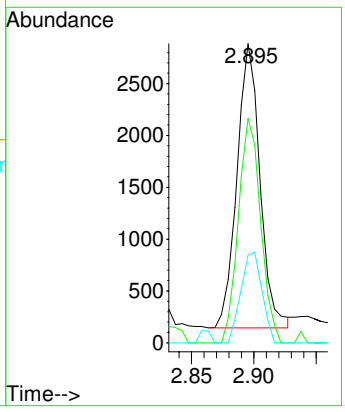


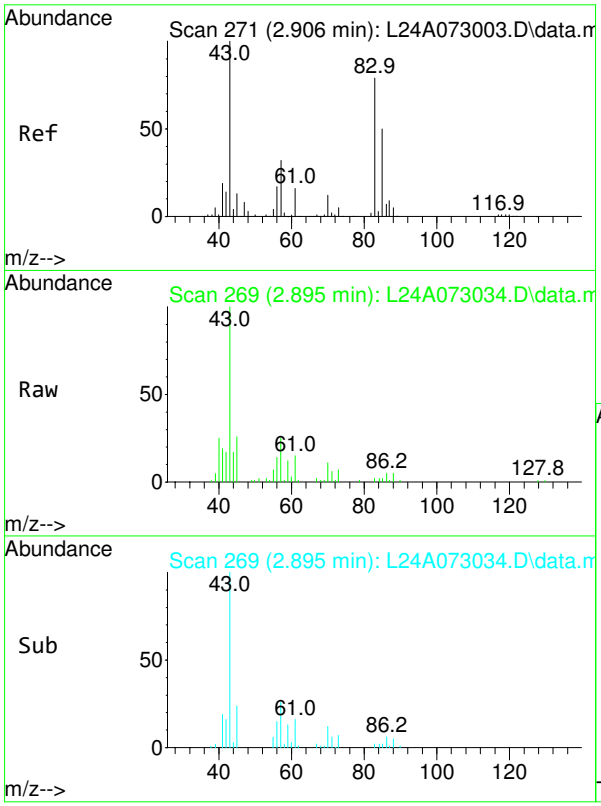


#25
HEXANE
Concen: 0.18 PPBV
RT: 2.895 min Scan# 269
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 41 Resp: 3514

Ion	Ratio	Lower	Upper
41	100		
56	76.2	52.3	92.3
86	29.3	16.1	36.1

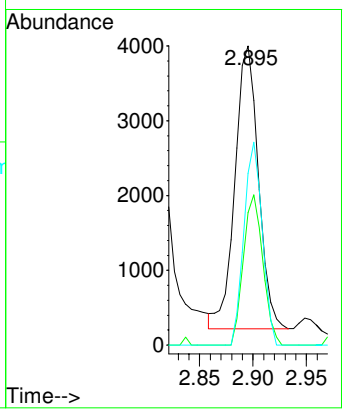


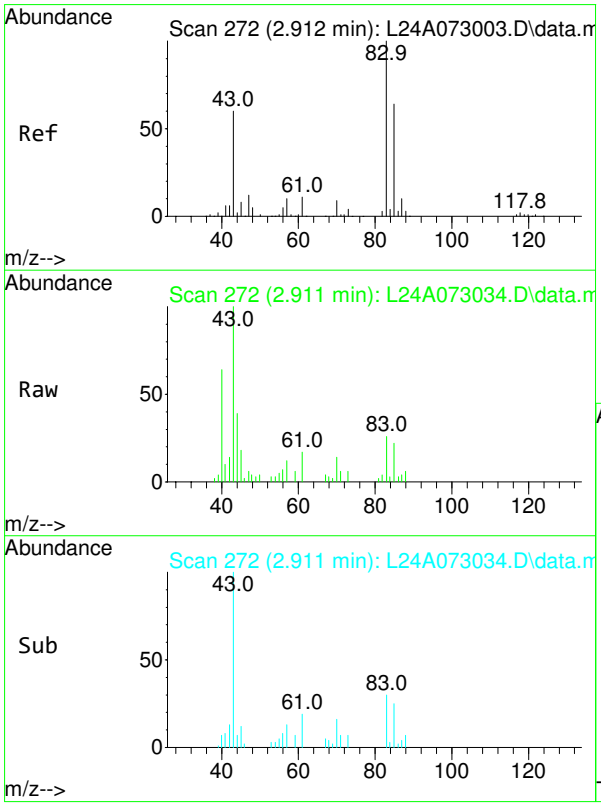


#26
ETHYL ACETATE
Concen: 0.95 PPBV
RT: 2.895 min Scan# 269
Delta R.T. -0.009 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 45 Resp: 5776

Ion	Ratio	Lower	Upper
45	100		
70	44.2	68.8	108.8#
61	55.9	83.3	123.3#

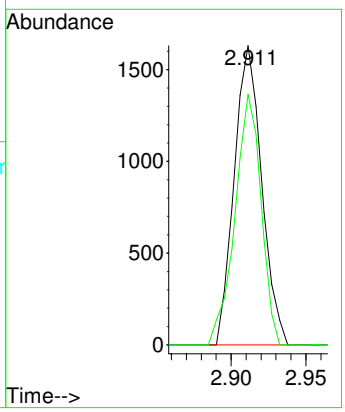


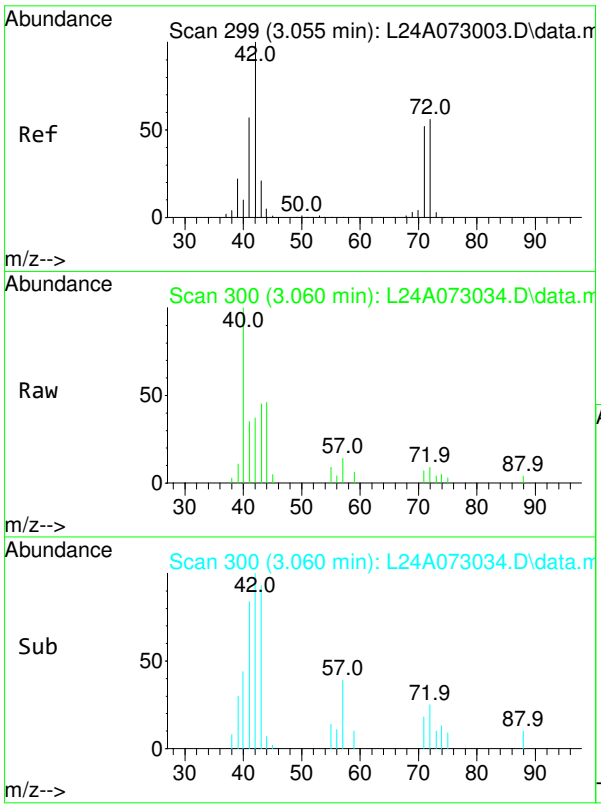


#27
CHLOROFORM
Concen: 0.06 PPBV
RT: 2.911 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 83 Resp: 2077

Ion	Ratio	Lower	Upper
83	100		
85	79.4	44.8	84.8

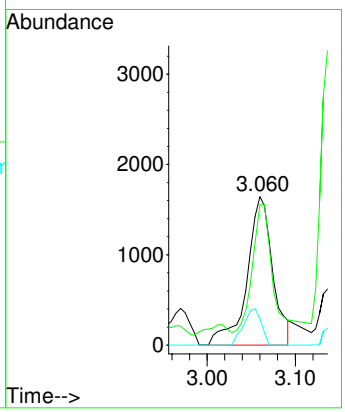


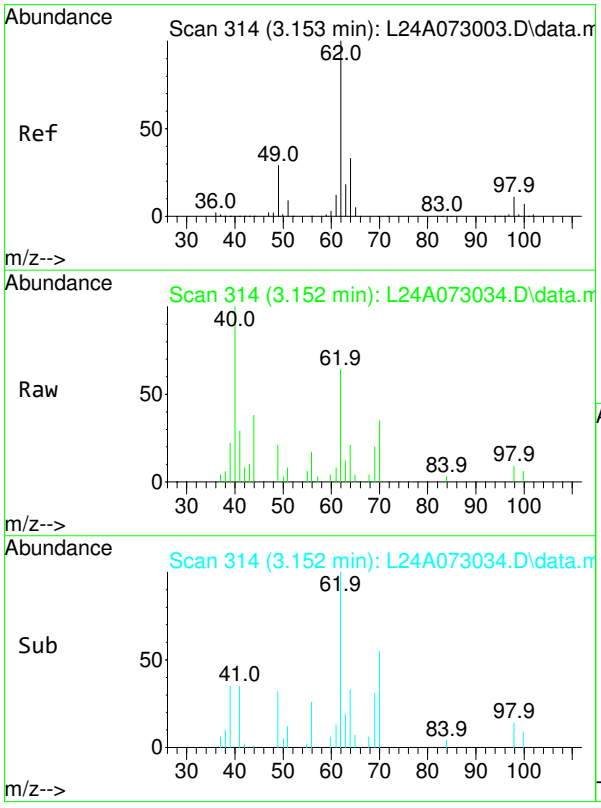


#28
TETRAHYDROFURAN
Concen: 0.14 PPBV
RT: 3.060 min Scan# 300
Delta R.T. 0.009 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 42 Resp: 3333

Ion	Ratio	Lower	Upper
42	100		
41	64.2	33.5	73.5
71	16.9	24.0	64.0#

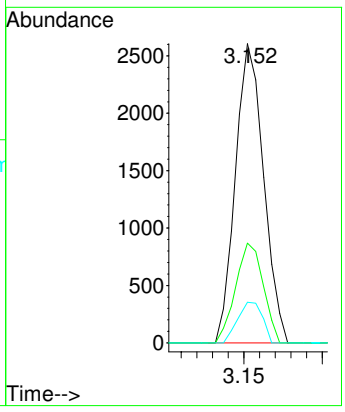


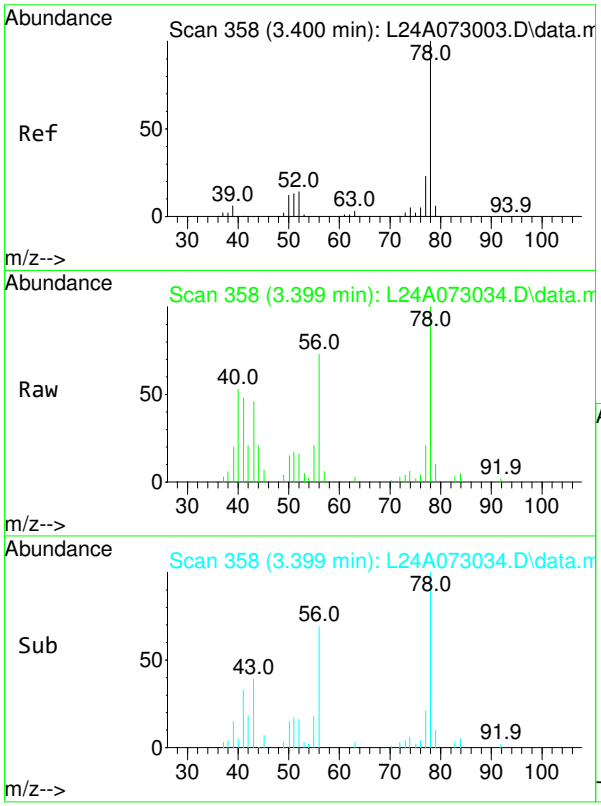


#29
1,2-DICHLOROETHANE
Concen: 0.13 PPBV
RT: 3.152 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 62 Resp: 3197

Ion	Ratio	Lower	Upper
62	100		
64	32.6	13.0	53.0
98	12.0	0.0	19.3

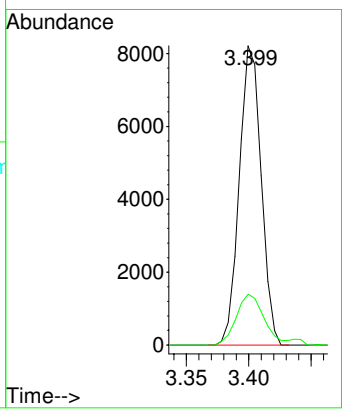


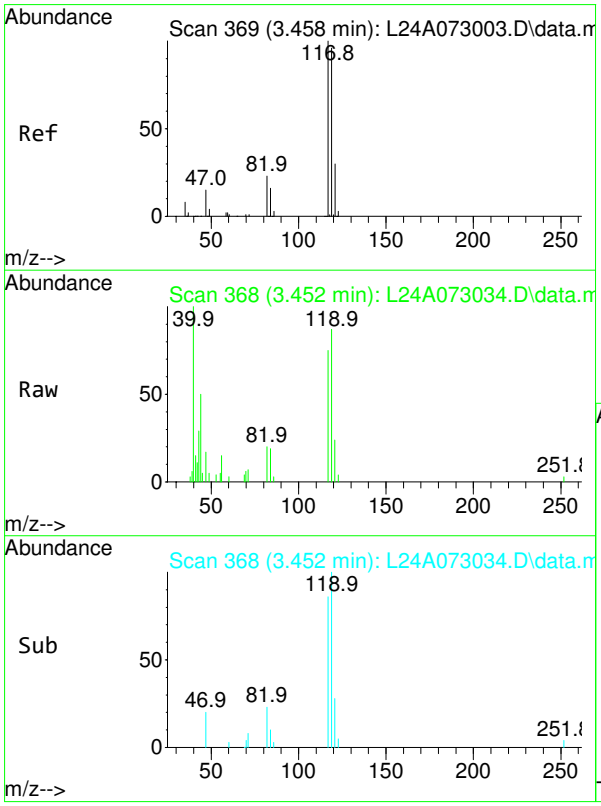


#32
BENZENE
Concen: 0.18 PPBV
RT: 3.399 min Scan# 358
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 78 Resp: 10017

Ion	Ratio	Lower	Upper
78	100		
51	21.5	0.0	37.7

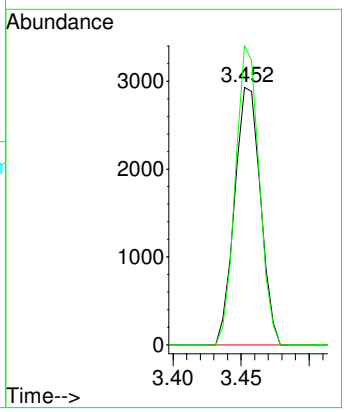


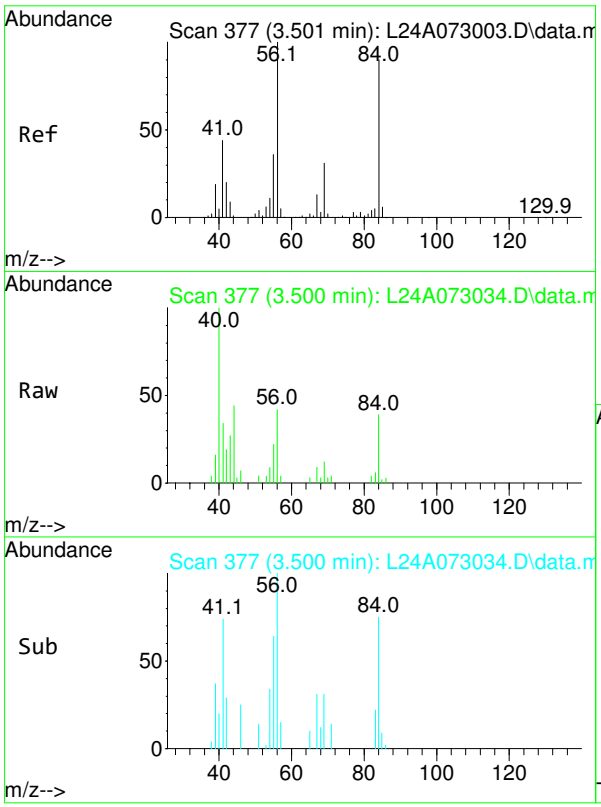


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 3.452 min Scan# 368
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:117 Resp: 3880

Ion	Ratio	Lower	Upper
117	100		
119	106.8	75.3	115.3

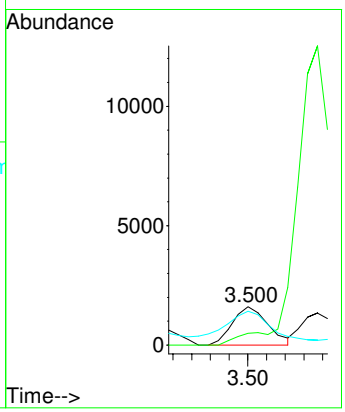


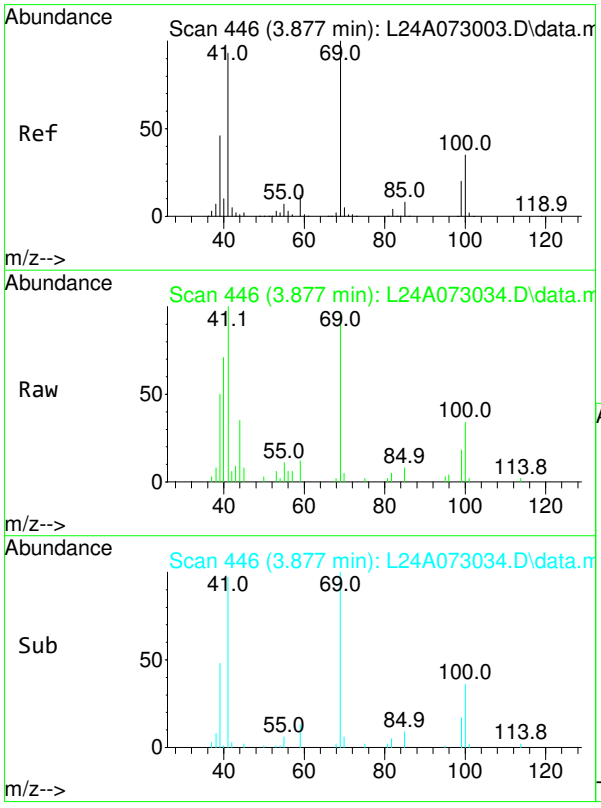


#34
CYCLOHEXANE
Concen: 0.09 PPBV
RT: 3.500 min Scan# 377
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 84 Resp: 2122

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.7	57.7#
41	90.3	44.6	84.6#

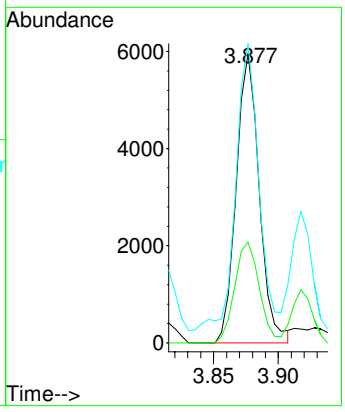


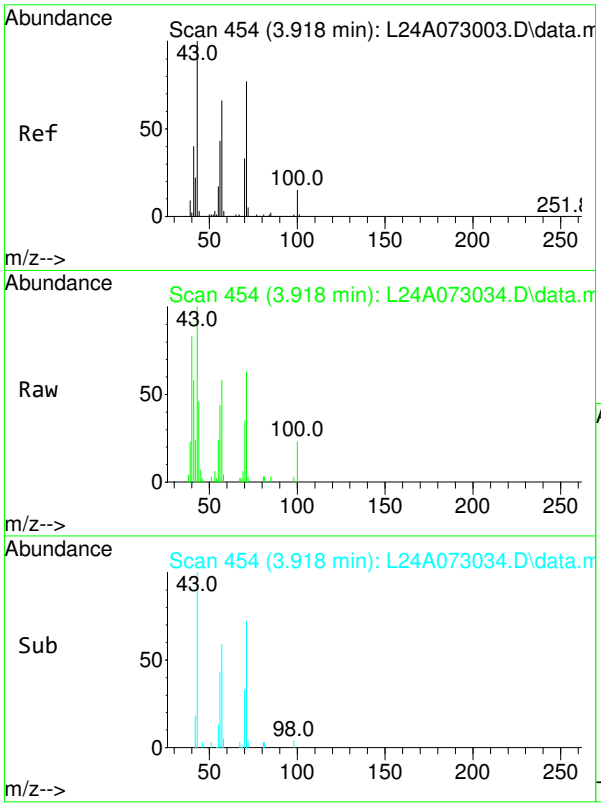


#39
METHYLMETHACRYLATE
Concen: 0.38 PPBV
RT: 3.877 min Scan# 446
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 69 Resp: 7360

Ion	Ratio	Lower	Upper
69	100		
100	37.4	18.0	58.0
41	97.9	102.8	142.8#

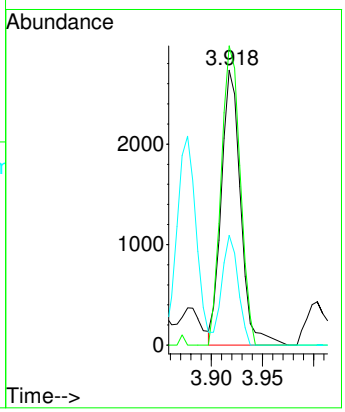


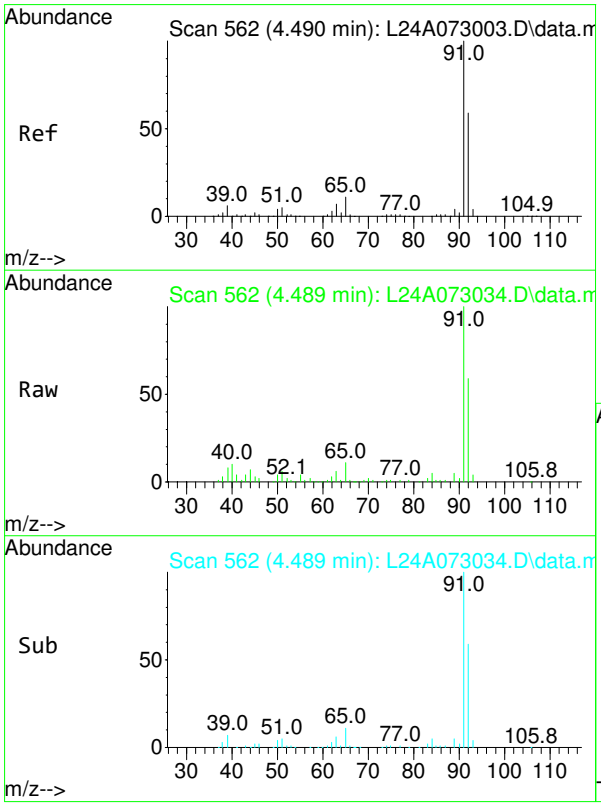


#40
HEPTANE
Concen: 0.28 PPBV
RT: 3.918 min Scan# 454
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 57 Resp: 4828

Ion	Ratio	Lower	Upper
57	100		
71	79.6	87.9	127.9#
100	24.5	4.4	44.4

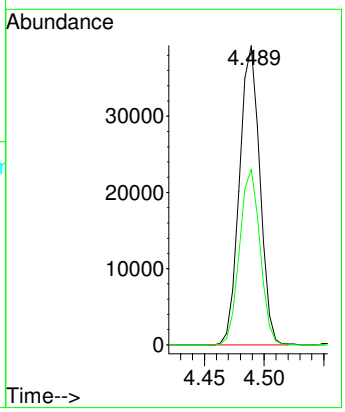


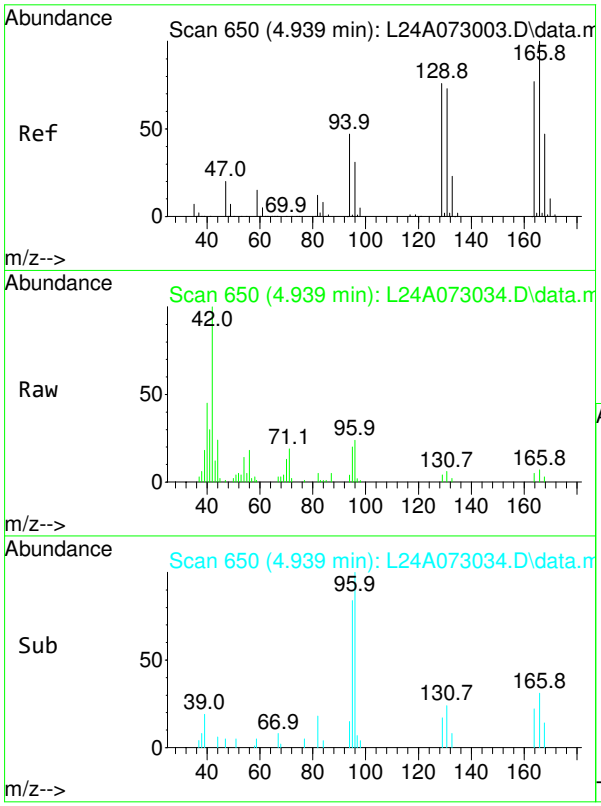


#46
TOLUENE
Concen: 0.69 PPBV
RT: 4.489 min Scan# 562
Delta R.T. -0.005 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 46208

Ion	Ratio	Lower	Upper
91	100		
92	58.9	39.1	79.1

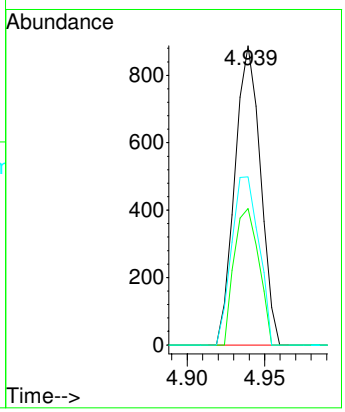


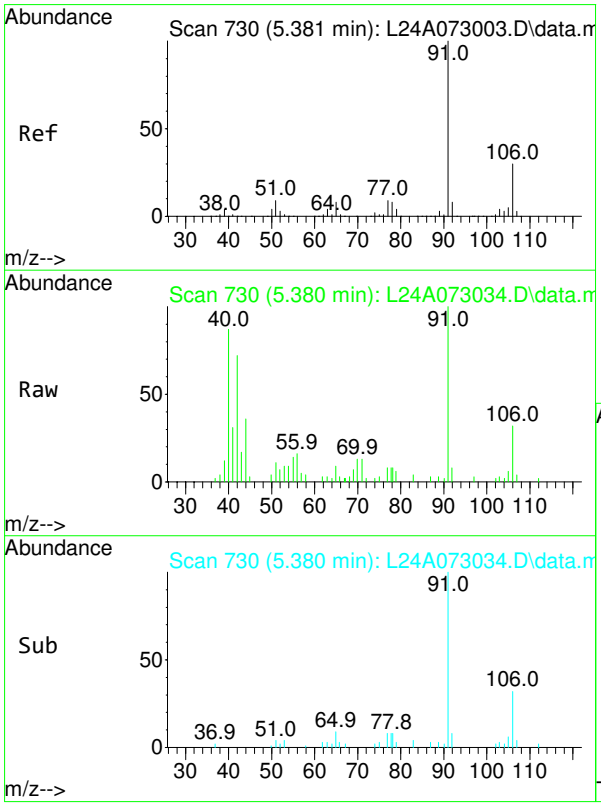


#50
TETRACHLOROETHENE
Concen: 0.03 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:166 Resp: 1018

Ion	Ratio	Lower	Upper
166	100		
168	44.1	28.8	68.8
129	59.6	56.6	96.6

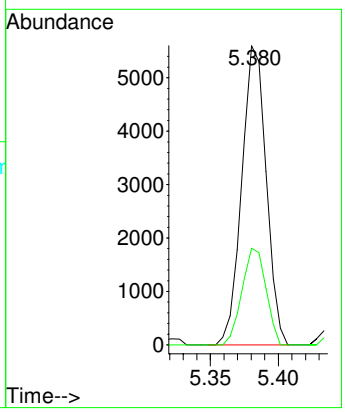


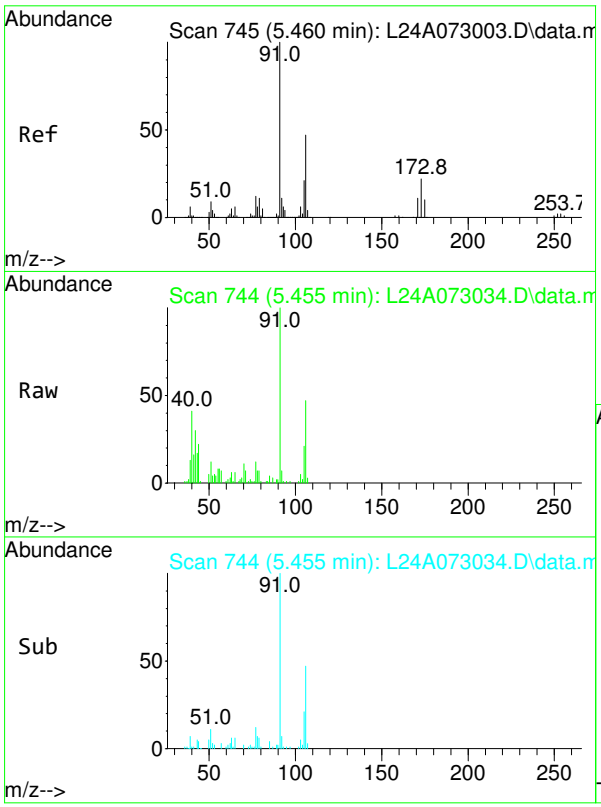


#52
ETHYLBENZENE
Concen: 0.08 PPBV
RT: 5.380 min Scan# 730
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 7016

Ion	Ratio	Lower	Upper
91	100		
106	31.6	10.1	50.1

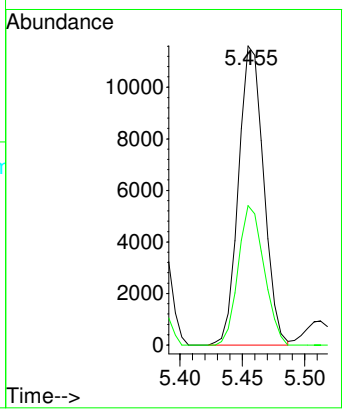


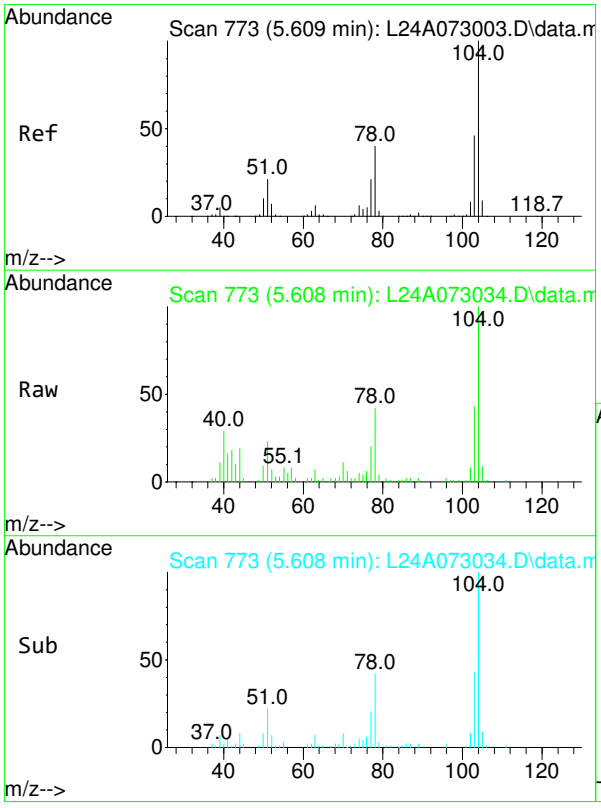


#53
M/P-XYLENE
Concen: 0.23 PPBV
RT: 5.455 min Scan# 744
Delta R.T. -0.013 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 16260

Ion	Ratio	Lower	Upper
91	100		
106	47.9	24.9	64.9

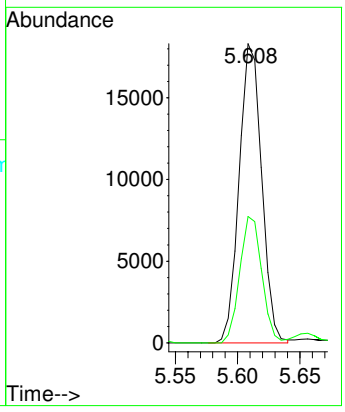


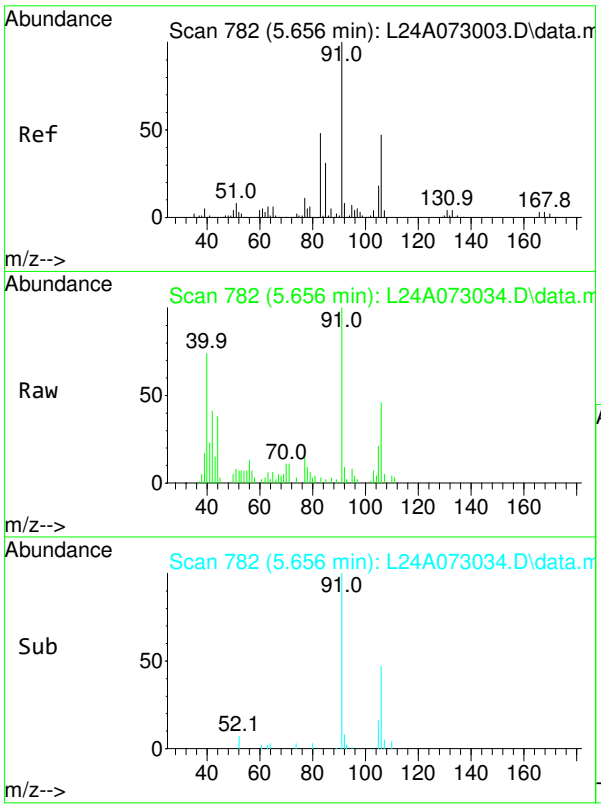


#55
STYRENE
Concen: 0.48 PPBV
RT: 5.608 min Scan# 773
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:104 Resp: 22993

Ion	Ratio	Lower	Upper
104	100		
78	41.2	24.7	64.7

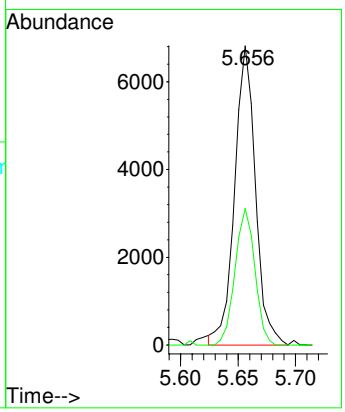


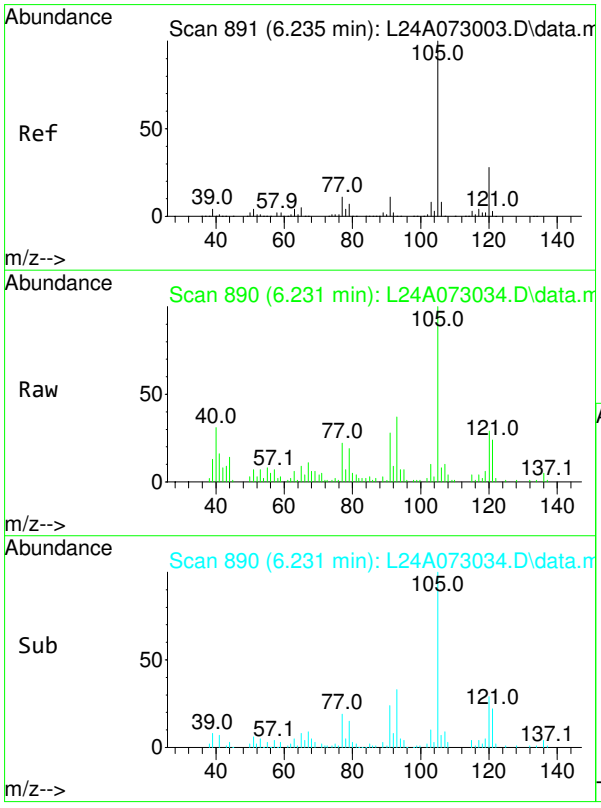


#56
O-XYLENE
Concen: 0.12 PPBV
RT: 5.656 min Scan# 782
Delta R.T. -0.008 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 91 Resp: 8509

Ion	Ratio	Lower	Upper
91	100		
106	43.4	25.4	65.4

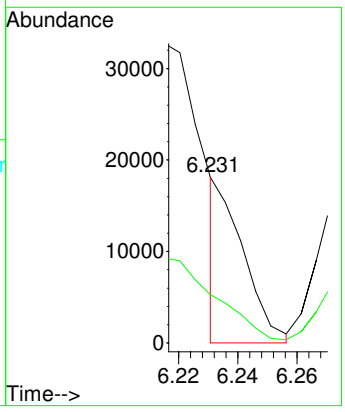


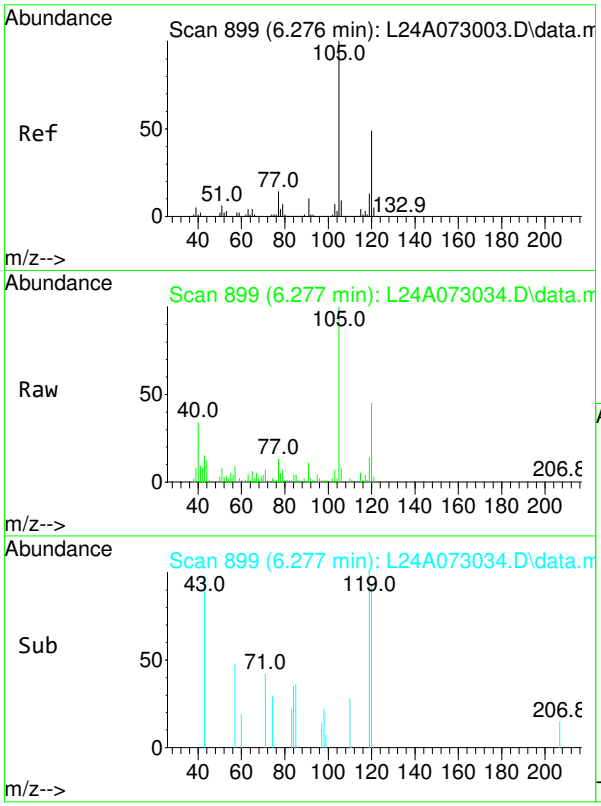


#59
4-ETHYLTOLUENE
Concen: 0.12 PPBV m
RT: 6.231 min Scan# 890
Delta R.T. -0.010 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:105 Resp: 10742

Ion	Ratio	Lower	Upper
105	100		
120	144.1	8.8	48.8#

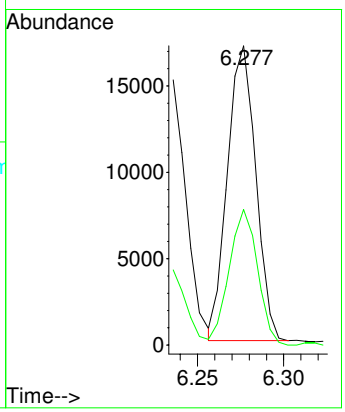


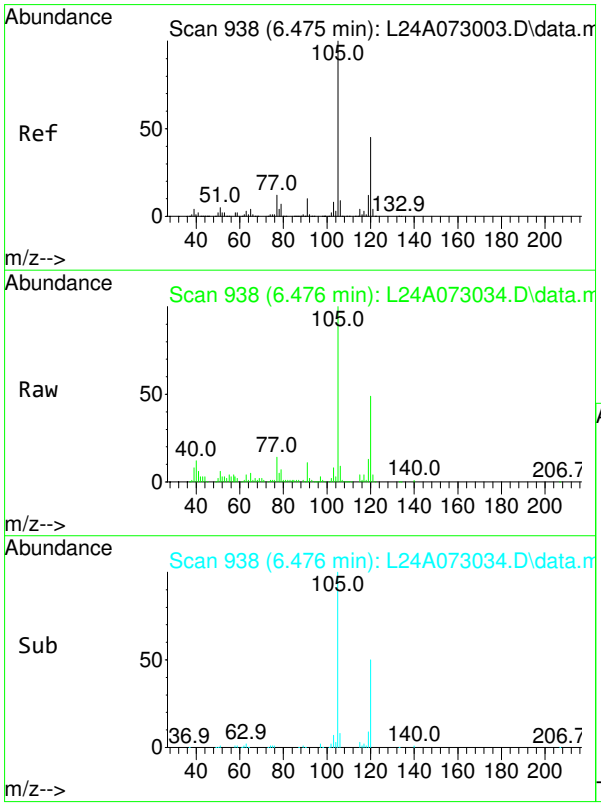


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.26 PPBV
RT: 6.277 min Scan# 899
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:105 Resp: 19584

Ion	Ratio	Lower	Upper
105	100		
120	46.1	26.9	66.9

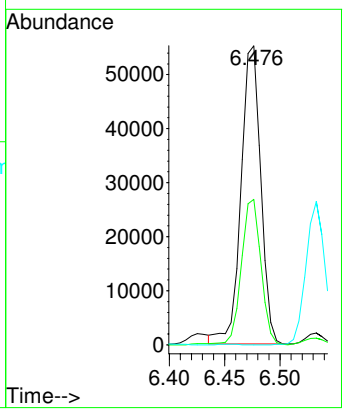


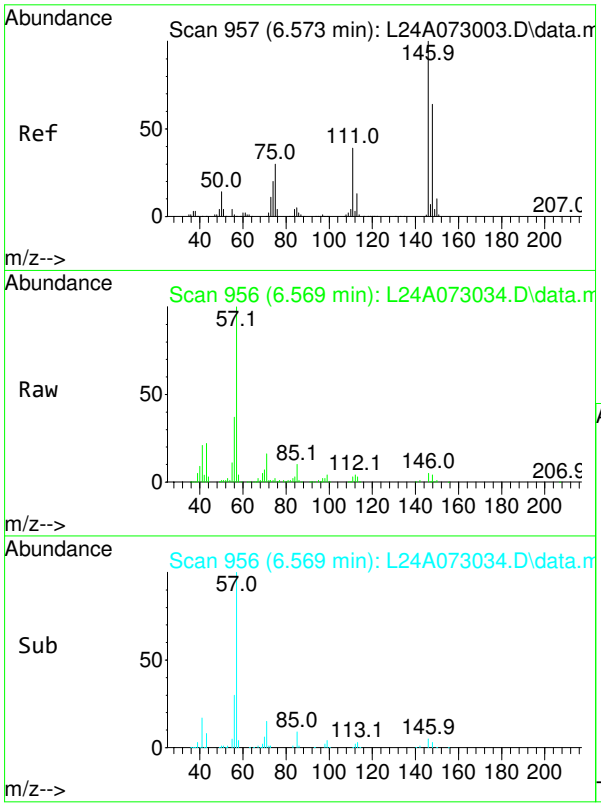


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.94 PPBV
RT: 6.476 min Scan# 938
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:105 Resp: 68631

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.0	64.0
207	0.2	0.0	20.0

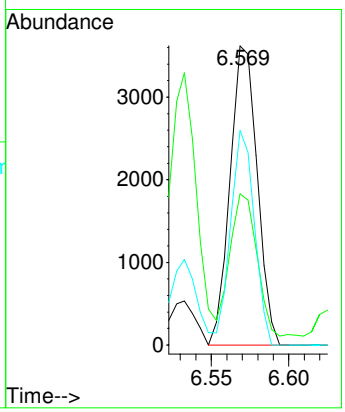


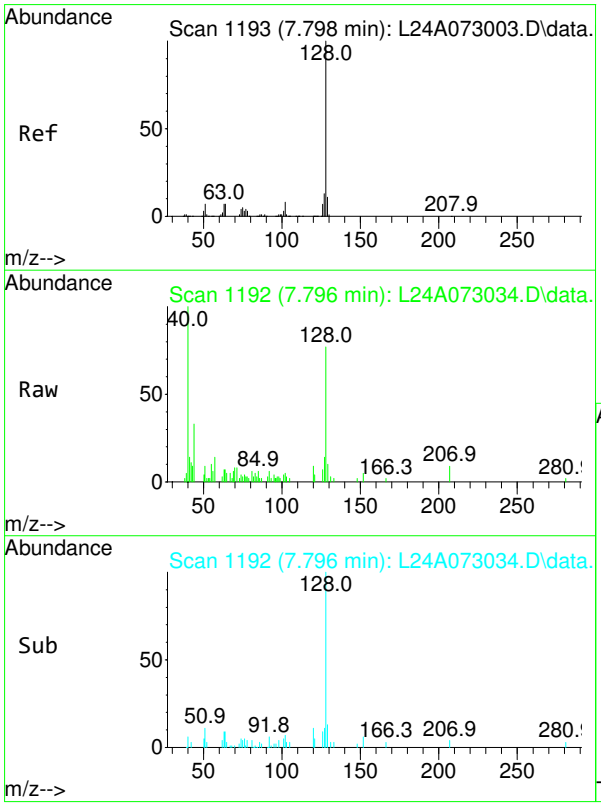


#64
1,4-DICHLOROBENZENE
Concen: 0.11 PPBV
RT: 6.569 min Scan# 956
Delta R.T. -0.008 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:146 Resp: 4438

Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.5	60.5
148	61.9	44.9	84.9

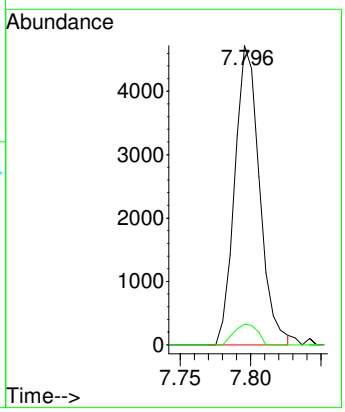


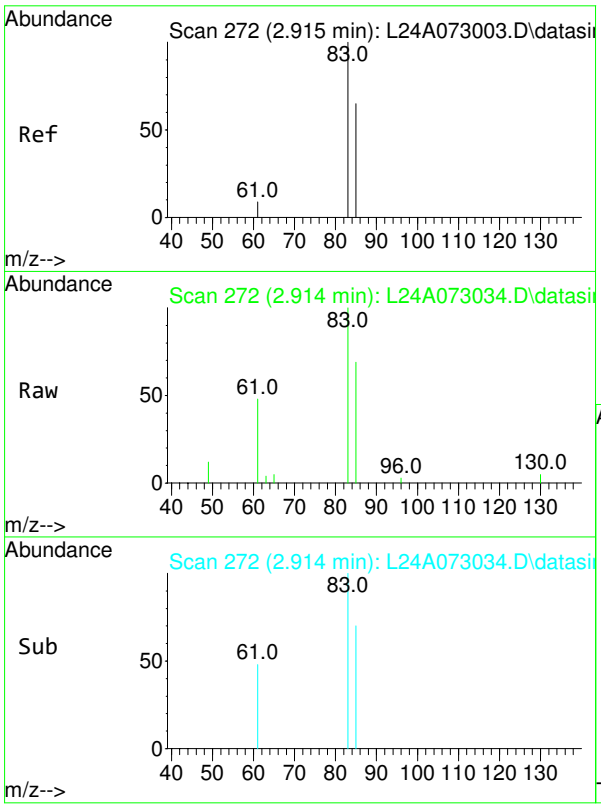


#67
NAPHTHALENE
Concen: 0.08 PPBV
RT: 7.796 min Scan# 1192
Delta R.T. -0.007 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:128 Resp: 5768

Ion	Ratio	Lower	Upper
128	100		
102	6.5	0.0	29.2

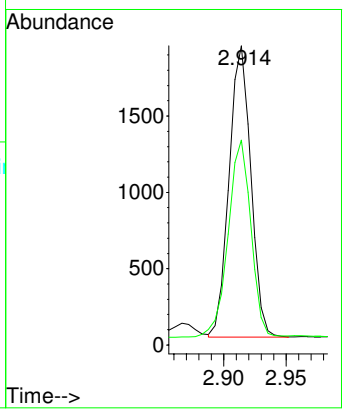


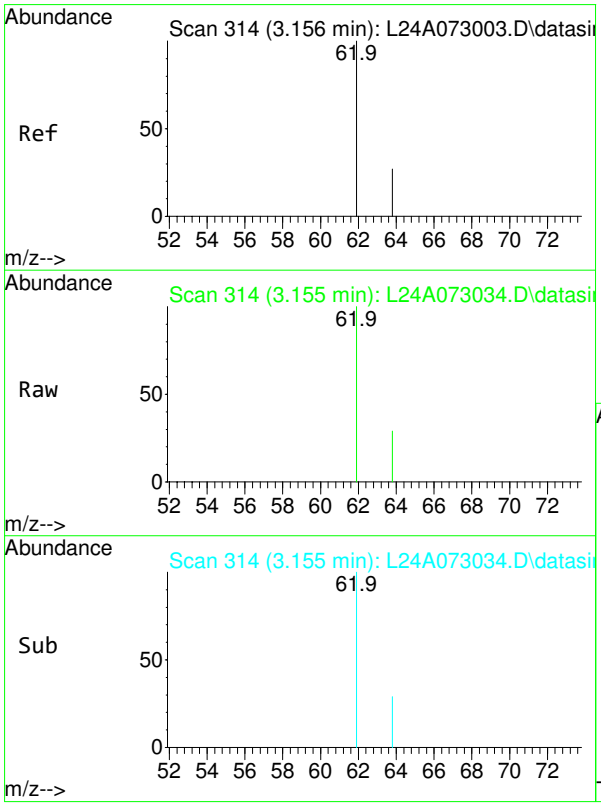


#75
CHLOROFORM (SIM)
Concen: 0.06 PPBV
RT: 2.914 min Scan# 272
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 83 Resp: 2308

Ion	Ratio	Lower	Upper
83	100		
85	70.5	45.0	85.0

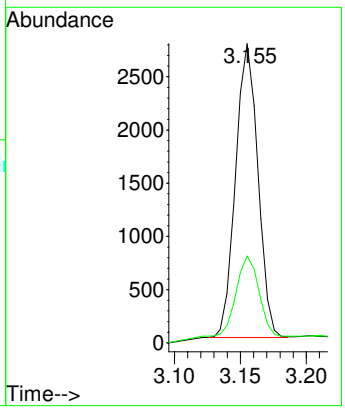


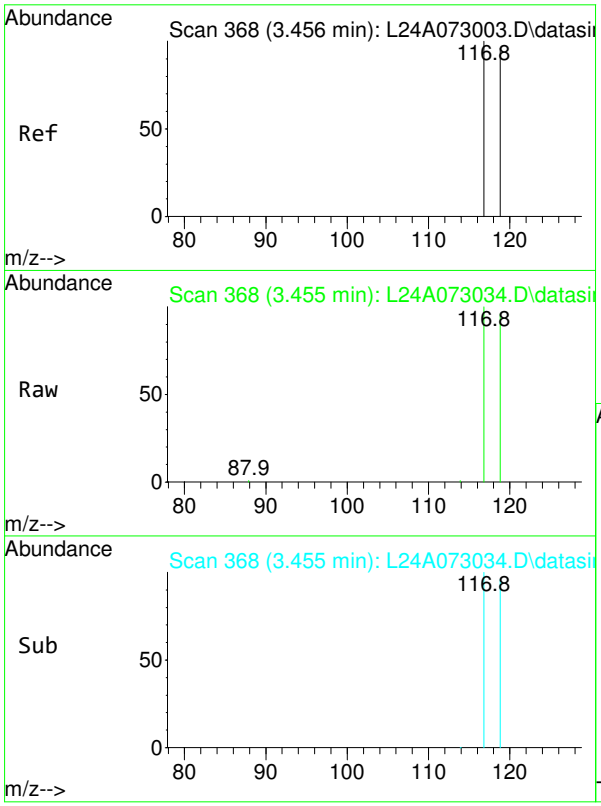


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.12 PPBV
RT: 3.155 min Scan# 314
Delta R.T. -0.004 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion: 62 Resp: 3162

Ion	Ratio	Lower	Upper
62	100		
64	27.5	7.0	47.0

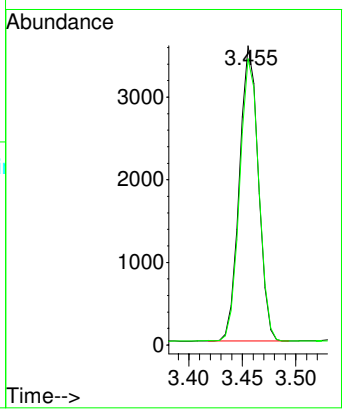




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.10 PPBV
RT: 3.455 min Scan# 368
Delta R.T. -0.006 min
Lab File: L24A073034.D
Acq: 14 Mar 2024 03:03 am

Tgt Ion:117 Resp: 4407

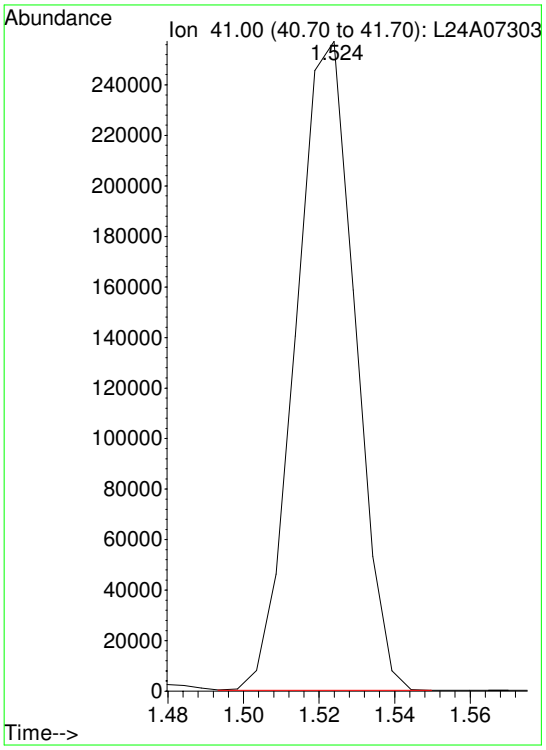
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

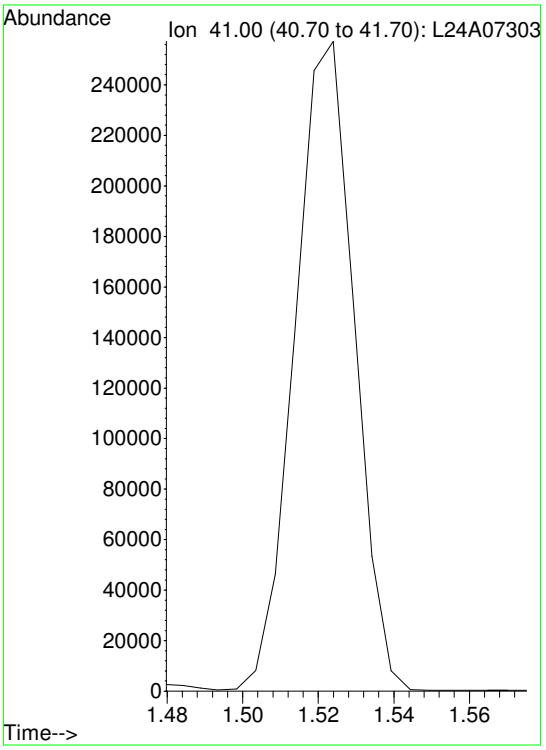
RT : 1.52
Area : 281237
Amount: 27.0167

Manual Int. Results

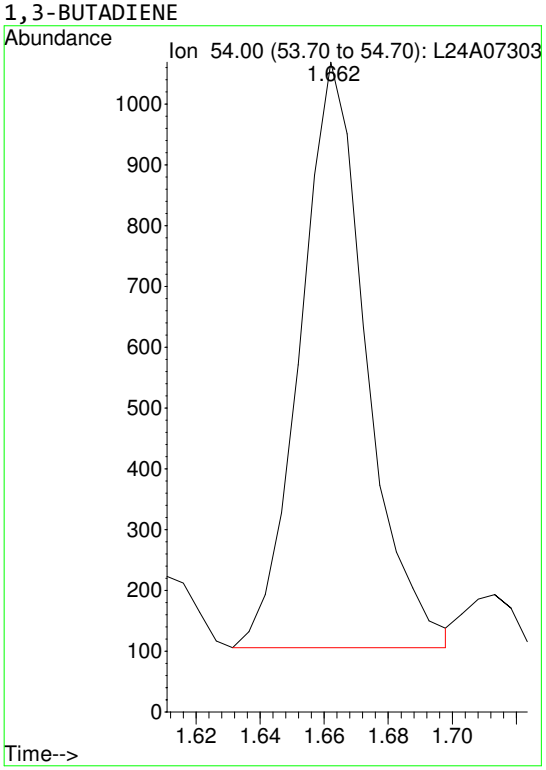
Fri Mar 15 11:18:52 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

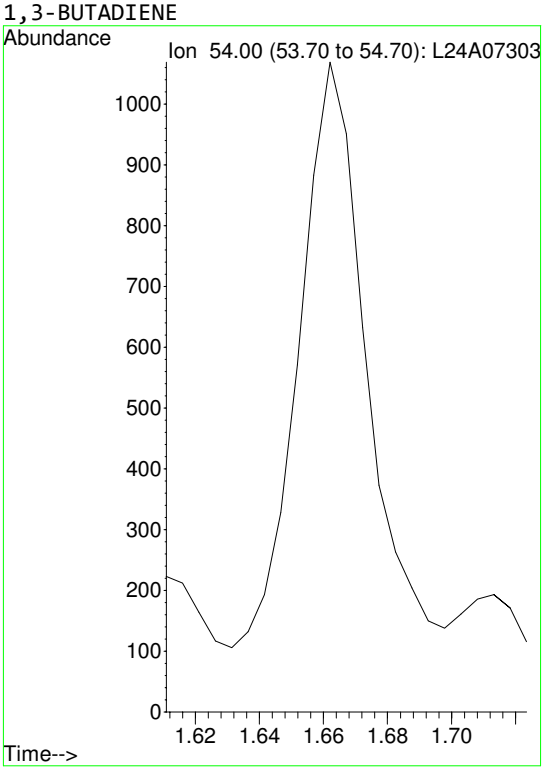
RT : 1.66
Area : 1384
Amount: 0.0983061

Manual Int. Results

Fri Mar 15 11:18:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

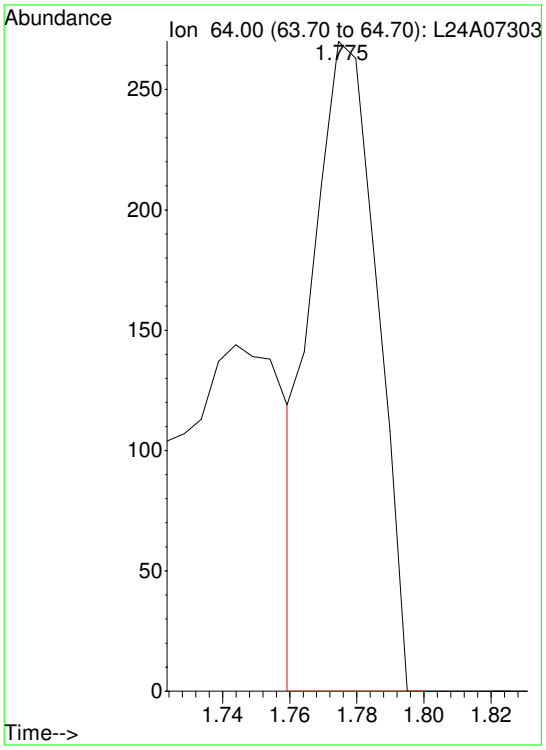
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

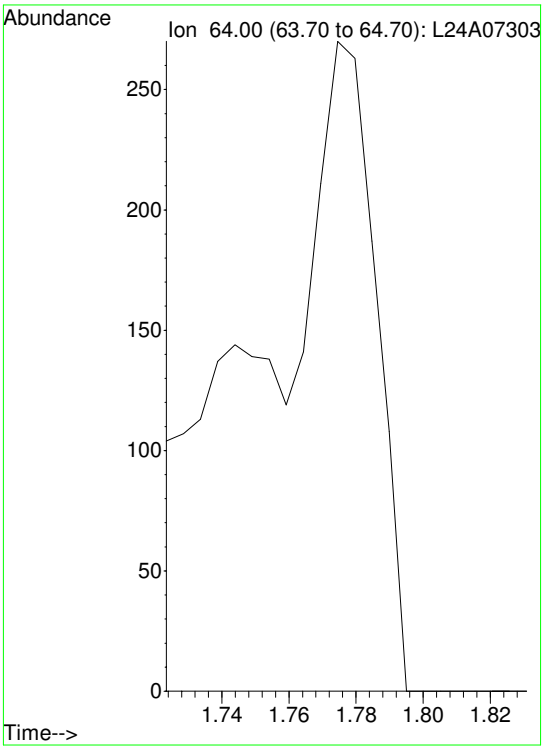
RT : 1.77
Area : 362
Amount: 0.0344181

Manual Int. Results

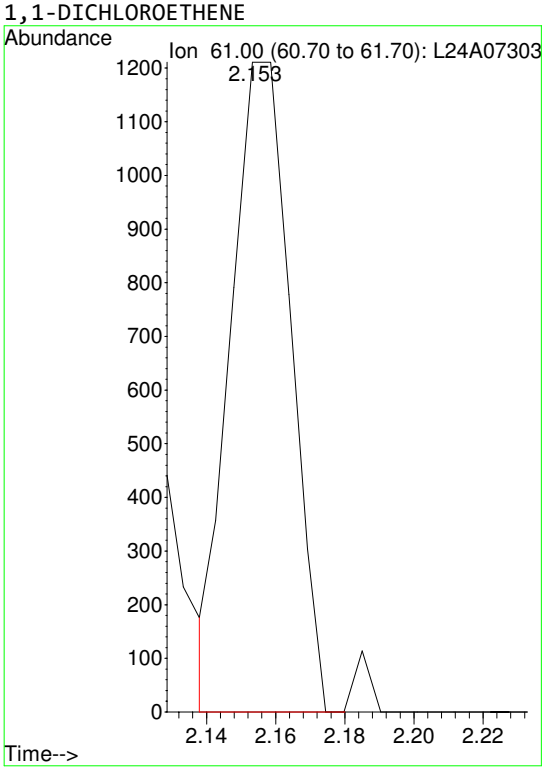
Fri Mar 15 11:19:10 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
1,1-DICHLOROETHENE



Original Int. Results

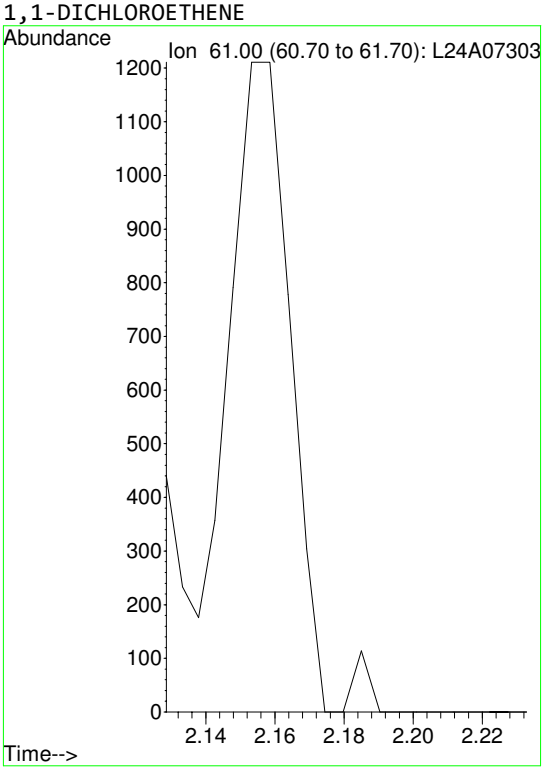
RT : 2.15
Area : 1459
Amount: 0.0506725

Manual Int. Results

Fri Mar 15 11:19:17 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

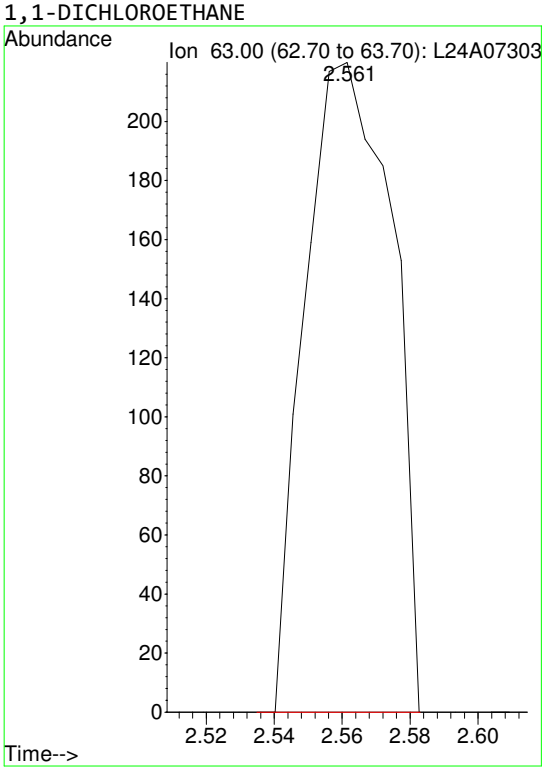
Manual Integration
1,1-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

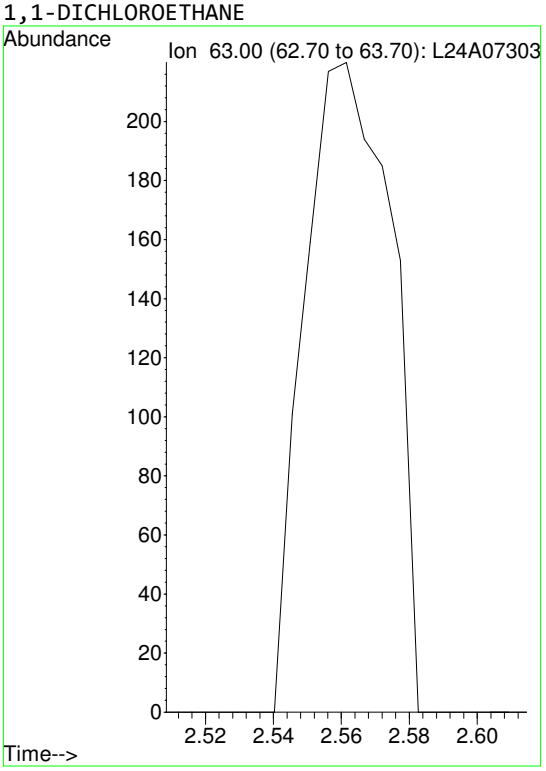
RT : 2.56
Area : 391
Amount: 0.0109899

Manual Int. Results

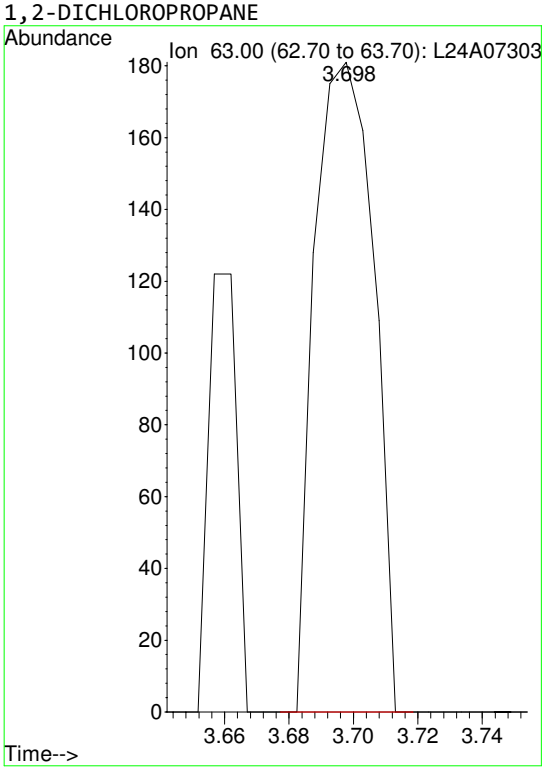
Fri Mar 15 11:19:25 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

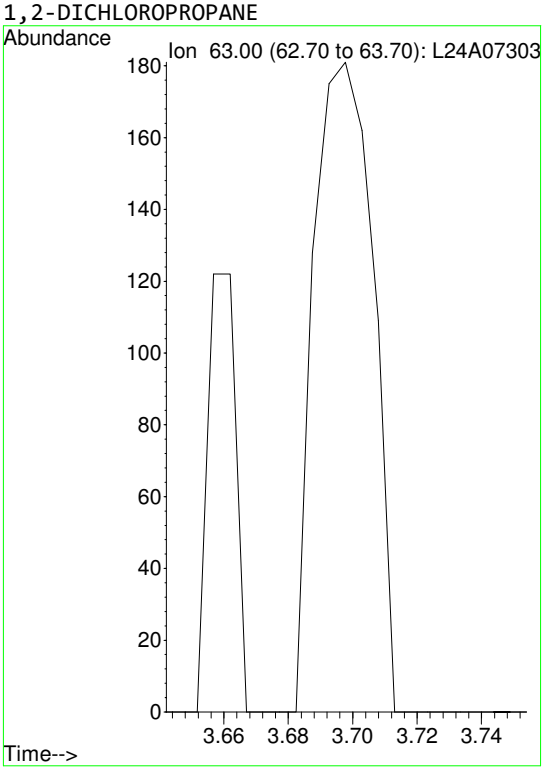
RT : 3.70
Area : 232
Amount: 0.0117605

Manual Int. Results

Fri Mar 15 11:19:51 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

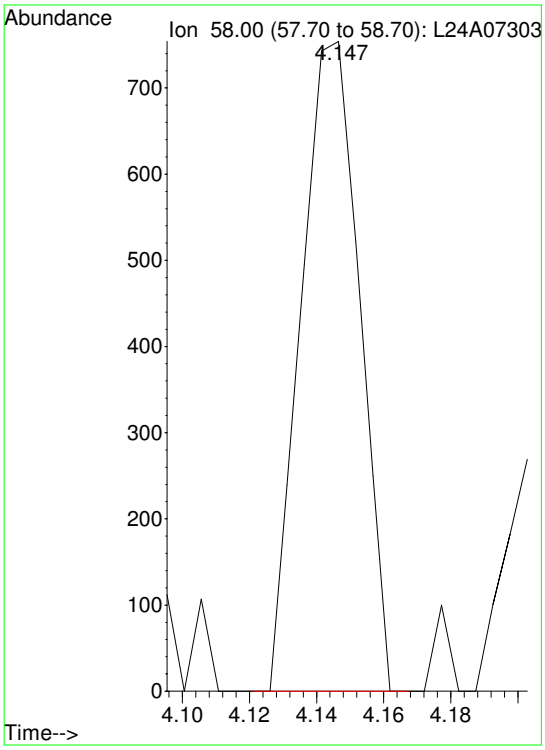
Manual Integration
1,2-DICHLOROPROPANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
MIBK



Original Int. Results

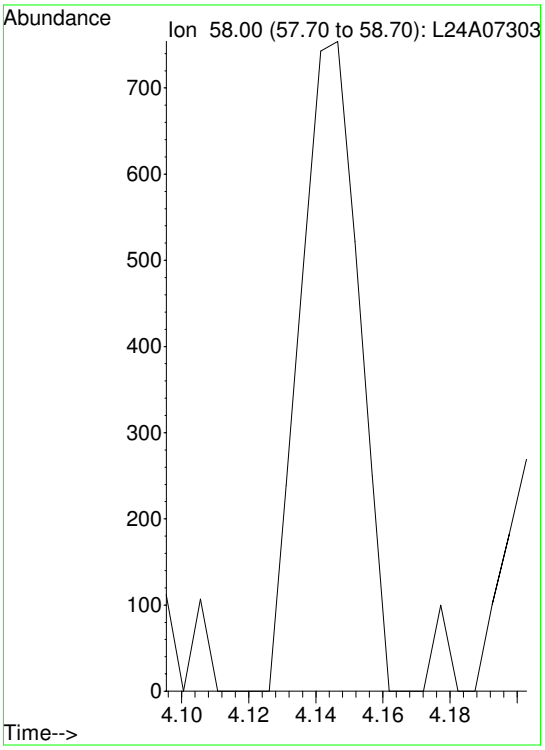
RT : 4.15
Area : 921
Amount: 0.0503142

Manual Int. Results

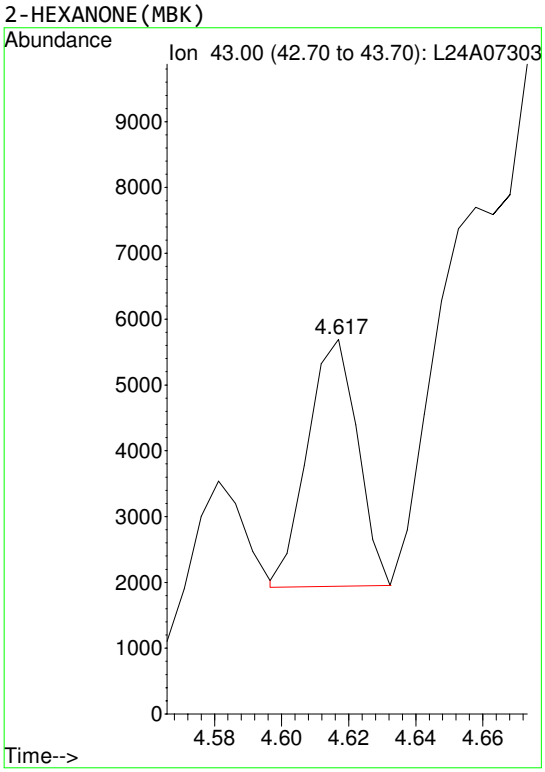
Fri Mar 15 11:19:57 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

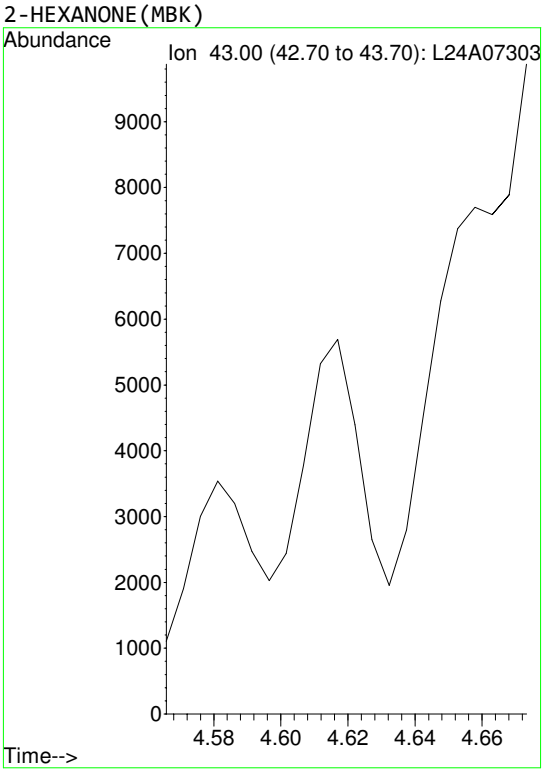
RT : 4.62
Area : 3883
Amount: 0.0905988

Manual Int. Results

Fri Mar 15 11:20:02 2024

MIuser: TPH
Reason: Other
RT : 0.00
Area : 0
Amount: 0

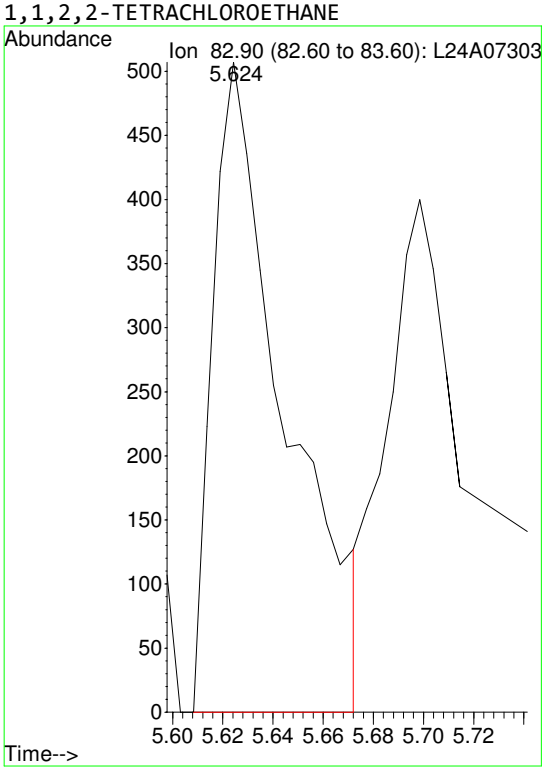
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

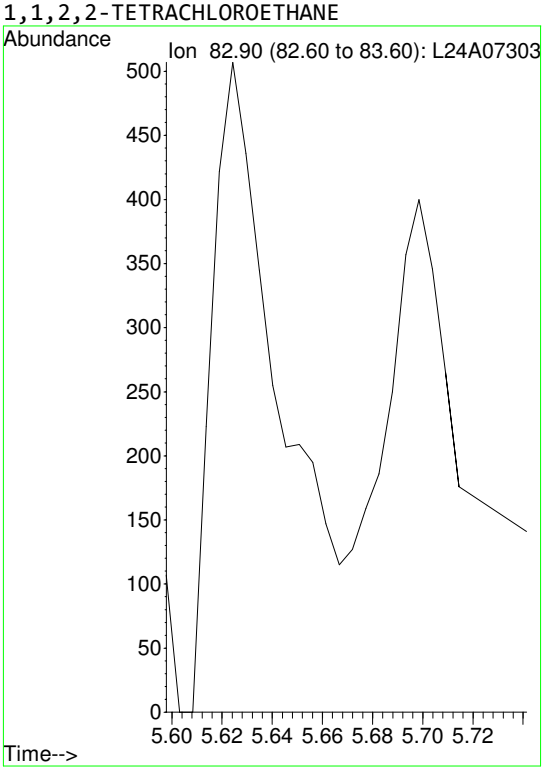
RT : 5.62
Area : 1015
Amount: 0.0207579

Manual Int. Results

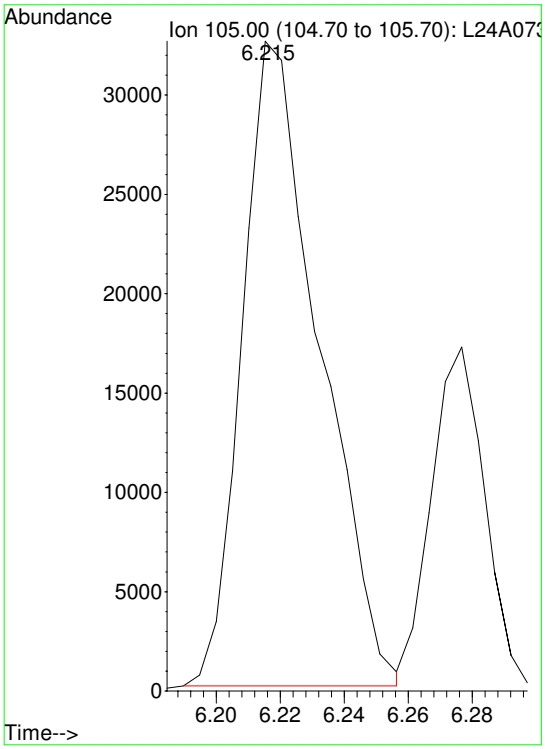
Fri Mar 15 11:20:19 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

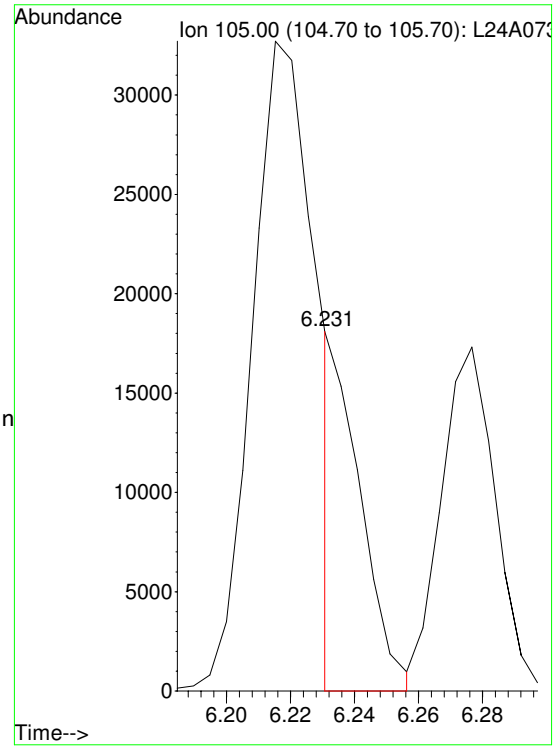
RT : 6.22
Area : 54322
Amount: 0.609186

Manual Int. Results

Fri Mar 15 11:20:25 2024

MIuser: TPH
Reason: Incorret Integration
RT : 6.23
Area : 10742
Amount: 0.120464

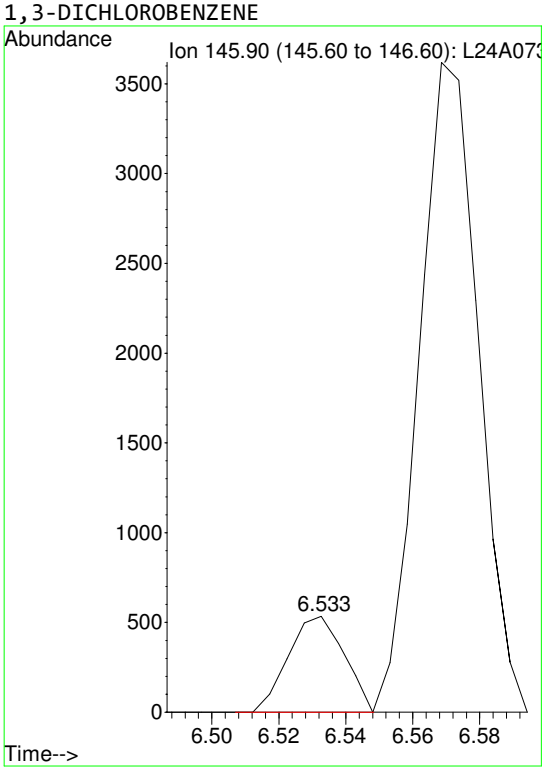
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

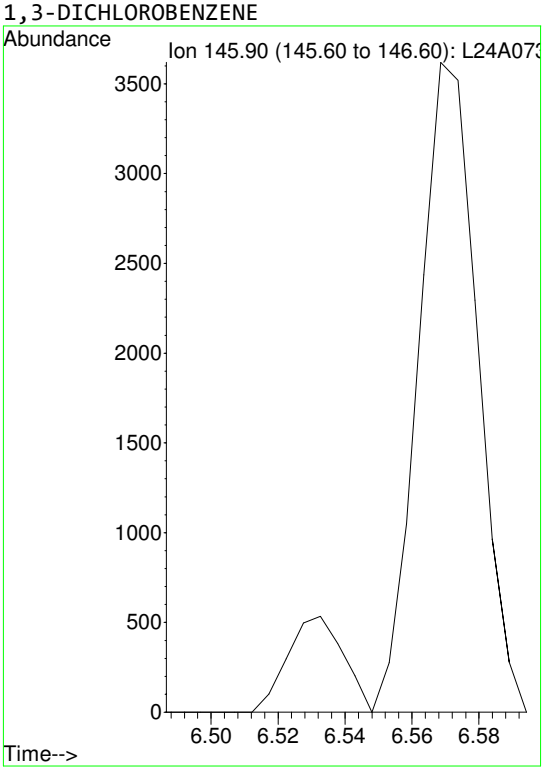
RT : 6.53
Area : 620
Amount: 0.013835

Manual Int. Results

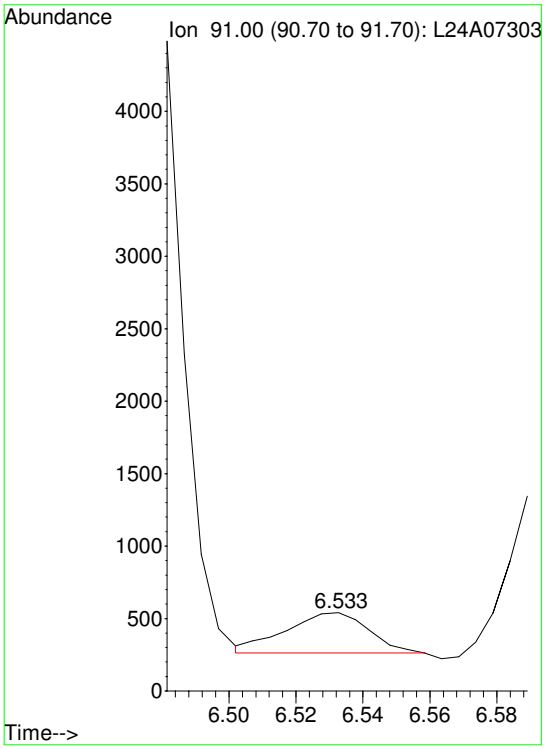
Fri Mar 15 11:20:35 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

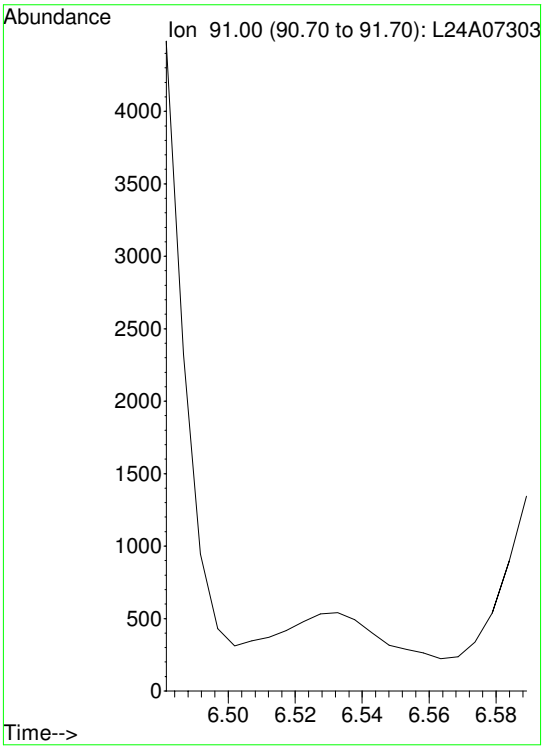
RT : 6.53
Area : 478
Amount: 0.0102541

Manual Int. Results

Fri Mar 15 11:20:29 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

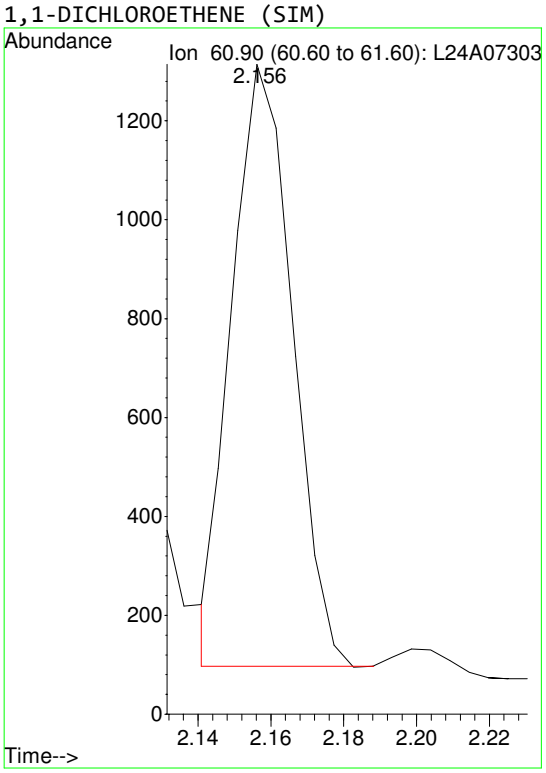
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073034.D
Acq On : 14 Mar 2024 03:03 am
Operator : CMR
Sample : 24C0251-11 0.7X
Misc : 1.74,1,200,500,0.7X

Quant Time : Fri Mar 15 11:20:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHENE (SIM)



Original Int. Results

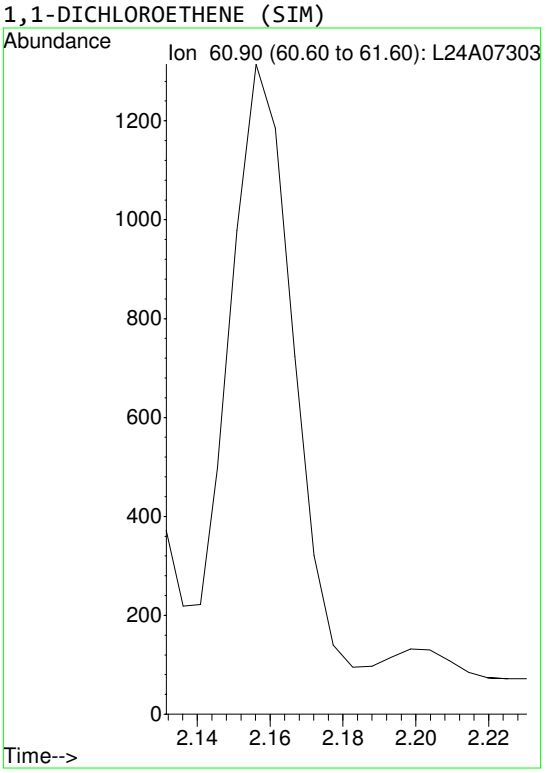
RT : 2.16
Area : 1406
Amount: 0.0451686

Manual Int. Results

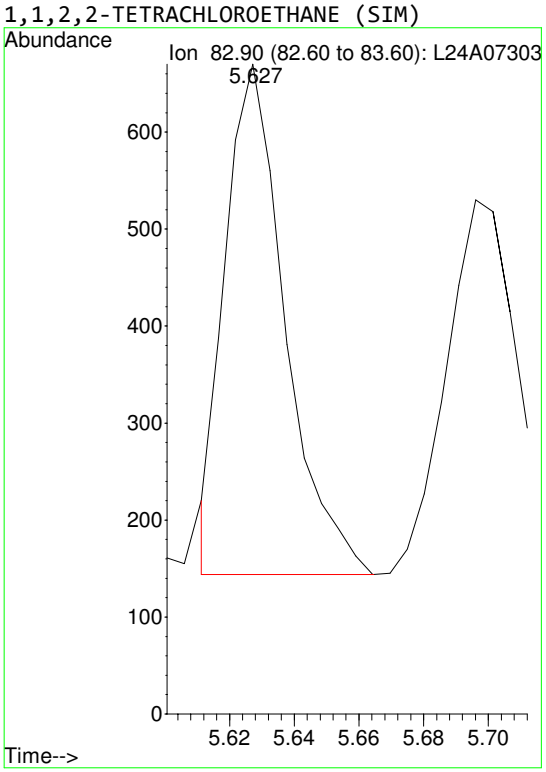
Fri Mar 15 11:20:43 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE (SIM)



Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

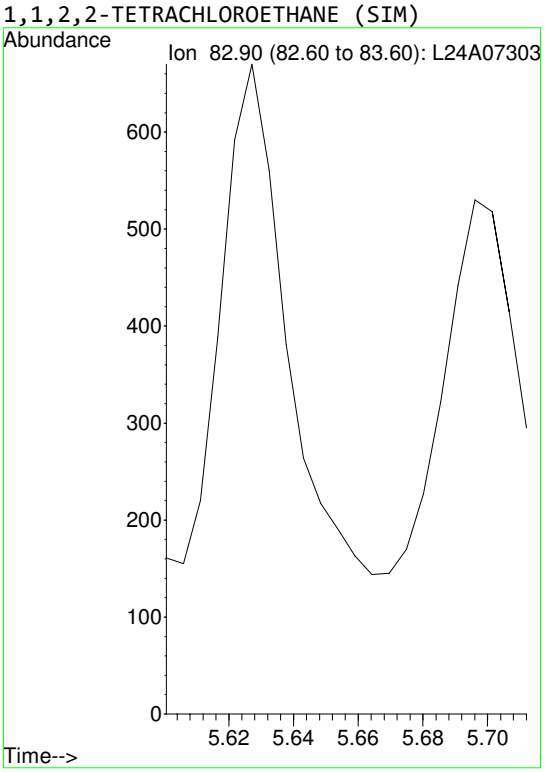
RT : 5.63
Area : 678
Amount: 0.0125886

Manual Int. Results

Fri Mar 15 11:20:46 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

EPA TO-15

Laboratory:	Pace New England	SDG:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Instrument:	SYSL

	BFB1 (SIM) (70% - 130%)	BFB1 (70% - 130%)
24C0251-04	97.5	93.0
24C0251-06	95.8	94.4
24C0251-08	97.3	93.0
24C0251-09	94.6	92.0
24C0251-11	95.8	94.8
B368535-BLK1	93.2	91.0
B368535-BS1	98.8	95.8

2 - FORM II
SYSTEM MONITORING COMPOUND SUMMARY
EPA TO-15

Laboratory:	Pace New England	SDG:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Instrument:	SYSL

	BFB1 (70% - 130%)
24C0251-01	92.6
24C0251-01RE1	87.1
24C0251-02	89.3
24C0251-03	93.5
24C0251-05	90.7
24C0251-07	92.1
24C0251-10	90.5
B368536-BLK1	91.0
B368536-BS1	95.8
B368536-DUP1	92.3

DUPLICATES

SSV-DUP-28022024

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Laboratory ID:	B368536-DUP1
Batch:	B368536	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Acetone	8.4	8.5	1.56		25
Benzene	0.052	0.052 J	0.00		25
Benzyl chloride	ND	ND			25
Bromodichloromethane	ND	ND			25
Bromoform	ND	ND			25
Bromomethane	ND	ND			25
1,3-Butadiene	ND	ND			25
2-Butanone (MEK)	ND	ND			25
Carbon Disulfide	ND	ND			25
Carbon Tetrachloride	ND	ND			25
Chlorobenzene	ND	ND			25
Chloroethane	ND	ND			25
Chloroform	7.0	6.8	2.34		25
Chloromethane	ND	ND			25
Cyclohexane	ND	ND			25
Dibromochloromethane	ND	ND			25
1,2-Dibromoethane (EDB)	ND	ND			25
1,2-Dichlorobenzene	ND	ND			25
1,3-Dichlorobenzene	ND	ND			25
1,4-Dichlorobenzene	ND	ND			25
Dichlorodifluoromethane (Freon 12)	0.25	0.35 R-04	33.1	*	25
1,1-Dichloroethane	ND	ND			25
1,2-Dichloroethane	ND	ND			25
1,1-Dichloroethylene	ND	ND			25
cis-1,2-Dichloroethylene	ND	ND			25
trans-1,2-Dichloroethylene	ND	ND			25
1,2-Dichloropropane	ND	ND			25
cis-1,3-Dichloropropene	ND	ND			25
trans-1,3-Dichloropropene	ND	ND			25

DUPLICATES

SSV-DUP-28022024

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Laboratory ID:	B368536-DUP1
Batch:	B368536	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
1,2-Dichloro-1,1,2,2-tetrafluoroethane (I	ND	ND			25
1,4-Dioxane	ND	ND			25
Ethanol	11	9.2	14.2		25
Ethyl Acetate	ND	ND			25
Ethylbenzene	ND	ND			25
4-Ethyltoluene	ND	ND			25
Heptane	0.11	0.12	13.8		25
Hexachlorobutadiene	ND	ND			25
Hexane	ND	ND			25
2-Hexanone (MBK)	ND	ND			25
Isopropanol	ND	ND			25
Methyl tert-Butyl Ether (MTBE)	ND	ND			25
Methylene Chloride	ND	ND			25
4-Methyl-2-pentanone (MIBK)	ND	ND			25
Naphthalene	ND	ND			25
Propene	ND	ND			25
Styrene	ND	ND			25
1,1,2,2-Tetrachloroethane	ND	ND			25
Tetrachloroethylene	0.11	0.12	8.40		25
Tetrahydrofuran	ND	ND			25
Toluene	0.062	0.060 J	3.28		25
1,2,4-Trichlorobenzene	ND	ND			25
1,1,1-Trichloroethane	0.26	0.24	8.76		25
1,1,2-Trichloroethane	ND	ND			25
Trichloroethylene	ND	ND			25
Trichlorofluoromethane (Freon 11)	0.28	0.26 J	6.69		25
1,1,2-Trichloro-1,2,2-trifluoroethane (Fre	0.10	0.090 J	10.5		25
1,2,4-Trimethylbenzene	ND	ND			25
1,3,5-Trimethylbenzene	ND	ND			25

DUPLICATES

SSV-DUP-28022024

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Laboratory ID:	B368536-DUP1
Batch:	B368536	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Vinyl Acetate	ND	ND			25
Vinyl Chloride	ND	ND			25
m&p-Xylene	ND	ND			25
o-Xylene	ND	ND			25

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368535	Laboratory ID:	B368535-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Acetone	5.00	3.92	78.3	70 - 130
Benzene	5.00	5.13	103	70 - 130
Benzyl chloride	5.00	4.42	88.3	70 - 130
Bromodichloromethane	5.00	4.76	95.1	70 - 130
Bromodichloromethane (SIM)	5.00	4.62	92.5	70 - 130
Bromoform	5.00	4.73	94.6	70 - 130
Bromomethane	5.00	5.42	108	70 - 130
1,3-Butadiene	5.00	4.93	98.6	70 - 130
2-Butanone (MEK)	5.00	4.40	88.0	70 - 130
Carbon Disulfide	5.00	5.46	109	70 - 130
Carbon Tetrachloride	5.00	4.64	92.8	70 - 130
Carbon Tetrachloride (SIM)	5.00	4.56	91.2	70 - 130
Chlorobenzene	5.00	5.21	104	70 - 130
Chloroethane	5.00	4.96	99.1	70 - 130
Chloroform	5.00	5.39	108	70 - 130
Chloroform (SIM)	5.00	5.43	109	70 - 130
Chloromethane	5.00	4.75	95.0	70 - 130
Cyclohexane	5.00	5.01	100	70 - 130
Dibromochloromethane	5.00	4.93	98.7	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.18	104	70 - 130
1,2-Dichlorobenzene	5.00	5.17	103	70 - 130
1,3-Dichlorobenzene	5.00	5.77	115	70 - 130
1,4-Dichlorobenzene	5.00	5.82	116	70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	5.04	101	70 - 130
1,1-Dichloroethane	5.00	4.66	93.2	70 - 130
1,1-Dichloroethane (SIM)	5.00	4.76	95.1	70 - 130
1,2-Dichloroethane	5.00	4.41	88.1	70 - 130
1,2-Dichloroethane (SIM)	5.00	4.48	89.6	70 - 130
1,1-Dichloroethylene	5.00	4.99	99.8	70 - 130
1,1-Dichloroethylene (SIM)	5.00	4.98	99.6	70 - 130
cis-1,2-Dichloroethylene	5.00	5.14	103	70 - 130
cis-1,2-Dichloroethylene (SIM)	5.00	5.13	103	70 - 130
trans-1,2-Dichloroethylene	5.00	4.47	89.5	70 - 130
trans-1,2-Dichloroethylene (SIM)	5.00	4.57	91.4	70 - 130
1,2-Dichloropropane	5.00	5.44	109	70 - 130
1,2-Dichloropropane (SIM)	5.00	5.47	109	70 - 130
cis-1,3-Dichloropropene	5.00	5.24	105	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368535	Laboratory ID:	B368535-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
cis-1,3-Dichloropropene (SIM)	5.00	5.11	102	70 - 130
trans-1,3-Dichloropropene	5.00	4.88	97.6	70 - 130
trans-1,3-Dichloropropene (SIM)	5.00	4.58	91.7	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.88	97.7	70 - 130
1,4-Dioxane	5.00	5.52	110	70 - 130
Ethanol	5.00	5.16	103	70 - 130
Ethyl Acetate	5.00	3.99	79.7	70 - 130
Ethylbenzene	5.00	5.21	104	70 - 130
4-Ethyltoluene	5.00	5.31	106	70 - 130
Heptane	5.00	4.87	97.5	70 - 130
Hexachlorobutadiene	5.00	4.35	87.0	70 - 130
Hexane	5.00	4.11	82.1	70 - 130
2-Hexanone (MBK)	5.00	4.77	95.4	70 - 130
Isopropanol	5.00	4.54	90.9	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.56	91.1	70 - 130
Methylene Chloride	5.00	4.43	88.6	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.24	105	70 - 130
Naphthalene	5.00	4.87	97.3	70 - 130
Propene	5.00	5.05	101	70 - 130
Styrene	5.00	5.35	107	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.92	118	70 - 130
1,1,2,2-Tetrachloroethane (SIM)	5.00	5.73	115	70 - 130
Tetrachloroethylene	5.00	5.06	101	70 - 130
Tetrahydrofuran	5.00	4.27	85.4	70 - 130
Toluene	5.00	5.31	106	70 - 130
1,2,4-Trichlorobenzene	5.00	4.46	89.2	70 - 130
1,1,1-Trichloroethane	5.00	4.42	88.5	70 - 130
1,1,2-Trichloroethane	5.00	5.70	114	70 - 130
1,1,2-Trichloroethane (SIM)	5.00	5.56	111	70 - 130
Trichloroethylene	5.00	4.85	97.1	70 - 130
Trichloroethylene (SIM)	5.00	4.95	99.0	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.76	95.1	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.24	105	70 - 130
1,2,4-Trimethylbenzene	5.00	5.20	104	70 - 130
1,3,5-Trimethylbenzene	5.00	5.30	106	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368535	Laboratory ID:	B368535-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Vinyl Acetate	5.00	4.77	95.5	70 - 130
Vinyl Chloride	5.00	5.26	105	70 - 130
Vinyl Chloride (SIM)	5.00	5.54	111	70 - 130
m&p-Xylene	10.0	10.6	106	70 - 130
o-Xylene	5.00	5.38	108	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368536	Laboratory ID:	B368536-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Acetone	5.00	3.92	78.3	70 - 130
Benzene	5.00	5.13	103	70 - 130
Benzyl chloride	5.00	4.42	88.3	70 - 130
Bromodichloromethane	5.00	4.76	95.1	70 - 130
Bromoform	5.00	4.73	94.6	70 - 130
Bromomethane	5.00	5.42	108	70 - 130
1,3-Butadiene	5.00	4.93	98.6	70 - 130
2-Butanone (MEK)	5.00	4.40	88.0	70 - 130
Carbon Disulfide	5.00	5.46	109	70 - 130
Carbon Tetrachloride	5.00	4.64	92.8	70 - 130
Chlorobenzene	5.00	5.21	104	70 - 130
Chloroethane	5.00	4.96	99.1	70 - 130
Chloroform	5.00	5.39	108	70 - 130
Chloromethane	5.00	4.75	95.0	70 - 130
Cyclohexane	5.00	5.01	100	70 - 130
Dibromochloromethane	5.00	4.93	98.7	70 - 130
1,2-Dibromoethane (EDB)	5.00	5.18	104	70 - 130
1,2-Dichlorobenzene	5.00	5.17	103	70 - 130
1,3-Dichlorobenzene	5.00	5.77	115	70 - 130
1,4-Dichlorobenzene	5.00	5.82	116	70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	5.04	101	70 - 130
1,1-Dichloroethane	5.00	4.66	93.2	70 - 130
1,2-Dichloroethane	5.00	4.41	88.1	70 - 130
1,1-Dichloroethylene	5.00	4.99	99.8	70 - 130
cis-1,2-Dichloroethylene	5.00	5.14	103	70 - 130
trans-1,2-Dichloroethylene	5.00	4.47	89.5	70 - 130
1,2-Dichloropropane	5.00	5.44	109	70 - 130
cis-1,3-Dichloropropene	5.00	5.24	105	70 - 130
trans-1,3-Dichloropropene	5.00	4.88	97.6	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.88	97.7	70 - 130
1,4-Dioxane	5.00	5.52	110	70 - 130
Ethanol	5.00	5.16	103	70 - 130
Ethyl Acetate	5.00	3.99	79.7	70 - 130
Ethylbenzene	5.00	5.21	104	70 - 130
4-Ethyltoluene	5.00	5.31	106	70 - 130
Heptane	5.00	4.87	97.5	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B368536	Laboratory ID:	B368536-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
Hexachlorobutadiene	5.00	4.35	87.0	70 - 130
Hexane	5.00	4.11	82.1	70 - 130
2-Hexanone (MBK)	5.00	4.77	95.4	70 - 130
Isopropanol	5.00	4.54	90.9	70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	4.56	91.1	70 - 130
Methylene Chloride	5.00	4.43	88.6	70 - 130
4-Methyl-2-pentanone (MIBK)	5.00	5.24	105	70 - 130
Naphthalene	5.00	4.87	97.3	70 - 130
Propene	5.00	5.05	101	70 - 130
Styrene	5.00	5.35	107	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.92	118	70 - 130
Tetrachloroethylene	5.00	5.06	101	70 - 130
Tetrahydrofuran	5.00	4.27	85.4	70 - 130
Toluene	5.00	5.31	106	70 - 130
1,2,4-Trichlorobenzene	5.00	4.46	89.2	70 - 130
1,1,1-Trichloroethane	5.00	4.42	88.5	70 - 130
1,1,2-Trichloroethane	5.00	5.70	114	70 - 130
Trichloroethylene	5.00	4.85	97.1	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.76	95.1	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	5.24	105	70 - 130
1,2,4-Trimethylbenzene	5.00	5.20	104	70 - 130
1,3,5-Trimethylbenzene	5.00	5.30	106	70 - 130
Vinyl Acetate	5.00	4.77	95.5	70 - 130
Vinyl Chloride	5.00	5.26	105	70 - 130
m&p-Xylene	10.0	10.6	106	70 - 130
o-Xylene	5.00	5.38	108	70 - 130

4 - FORM IV
METHOD BLANK SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Blank ID:	B368535-BLK1 Batch: B368535	Prepared:	03/13/2024 10:00

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B368535-BS1	L24A073025.D	22:21
5AVE-IA-3-28022024	24C0251-04	L24A073030.D	00:50
5AVE-IA-2-28022024	24C0251-06	L24A073031.D	01:23
5AVE-IA-1-28022024	24C0251-08	L24A073032.D	01:56
5AVE-OA-1-28022024	24C0251-09	L24A073033.D	02:29
IA-DUP-28022024	24C0251-11	L24A073034.D	03:03

4 - FORM IV
METHOD BLANK SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Blank ID:	B368536-BLK1 Batch: B368536	Prepared:	03/13/2024 10:00

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B368536-BS1	L24A073025.D	22:21
SSV-DUP-28022024	24C0251-10	L24A073035.D	03:31
Duplicate	B368536-DUP1	L24A073036.D	03:59
5AVE-SSV-1-28022024	24C0251-07	L24A073037.D	04:27
5AVE-SSV-2-28022024	24C0251-05	L24A073038.D	04:55
5AVE-SSV-3-28022024	24C0251-03	L24A073039.D	05:23
CVS-SV-1-28022024	24C0251-02	L24A073040.D	05:51
CVS-SV-2-28022024	24C0251-01	L24A073041.D	06:19
CVS-SV-2-28022024	24C0251-01RE1	L24A073042.D	06:46

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Lab File ID:	L23A214003.D	Injection Date:	08/02/23
Instrument ID:	SYSL	Injection Time:	16:08
Sequence:	S091464	Lab Sample ID:	S091464-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	20.3	PASS
75	30 - 66% of 95	52.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.6	PASS
173	Less than 2% of 174	0.859	PASS
174	50 - 120% of 95	74.3	PASS
175	4 - 9% of 174	7.27	PASS
176	93 - 101% of 174	98	PASS
177	5 - 9% of 176	6.39	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
0.005	S091464-CAL1	L23A214004.D	08/02/2023	16:32:00
0.010	S091464-CAL2	L23A214005.D	08/02/2023	16:58:00
0.020	S091464-CAL3	L23A214006.D	08/02/2023	17:24:00
0.025	S091464-CAL4	L23A214007.D	08/02/2023	17:50:00
0.050	S091464-CAL5	L23A214008.D	08/02/2023	18:17:00
0.10	S091464-CAL6	L23A214009.D	08/02/2023	18:43:00
0.20	S091464-CAL7	L23A214010.D	08/02/2023	19:09:00
0.25	S091464-CAL8	L23A214011.D	08/02/2023	19:35:00
0.50	S091464-CAL9	L23A214012.D	08/02/2023	20:01:00
1.0	S091464-CALA	L23A214013.D	08/02/2023	20:30:00
2.0	S091464-CALB	L23A214014.D	08/02/2023	20:55:00
5.0	S091464-CALC	L23A214015.D	08/02/2023	21:21:00
10.0	S091464-CALD	L23A214016.D	08/02/2023	21:48:00
20.0	S091464-CALE	L23A214017.D	08/02/2023	22:17:00
50.0	S091464-CALF	L23A214018.D	08/02/2023	22:50:00
5.0 ICV	S091464-ICV1	L23A214020.D	08/02/2023	23:42:00

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Lab File ID:	L24A073002.D	Injection Date:	03/13/24
Instrument ID:	SYSL	Injection Time:	10:00
Sequence:	S101689	Lab Sample ID:	S101689-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	15.1	PASS
75	30 - 66% of 95	46	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.3	PASS
173	Less than 2% of 174	0.896	PASS
174	50 - 120% of 95	71.1	PASS
175	4 - 9% of 174	7.71	PASS
176	93 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.88	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S101689-CCV1	L24A073003.D	03/13/2024	10:26:00
LCS	B368535-BS1	L24A073025.D	03/13/2024	22:21:00
Blank	B368535-BLK1	L24A073028.D	03/13/2024	23:50:00
5AVE-IA-3-28022024	24C0251-04	L24A073030.D	03/14/2024	0:50:00
5AVE-IA-2-28022024	24C0251-06	L24A073031.D	03/14/2024	1:23:00
5AVE-IA-1-28022024	24C0251-08	L24A073032.D	03/14/2024	1:56:00
5AVE-OA-1-28022024	24C0251-09	L24A073033.D	03/14/2024	2:29:00
IA-DUP-28022024	24C0251-11	L24A073034.D	03/14/2024	3:03:00

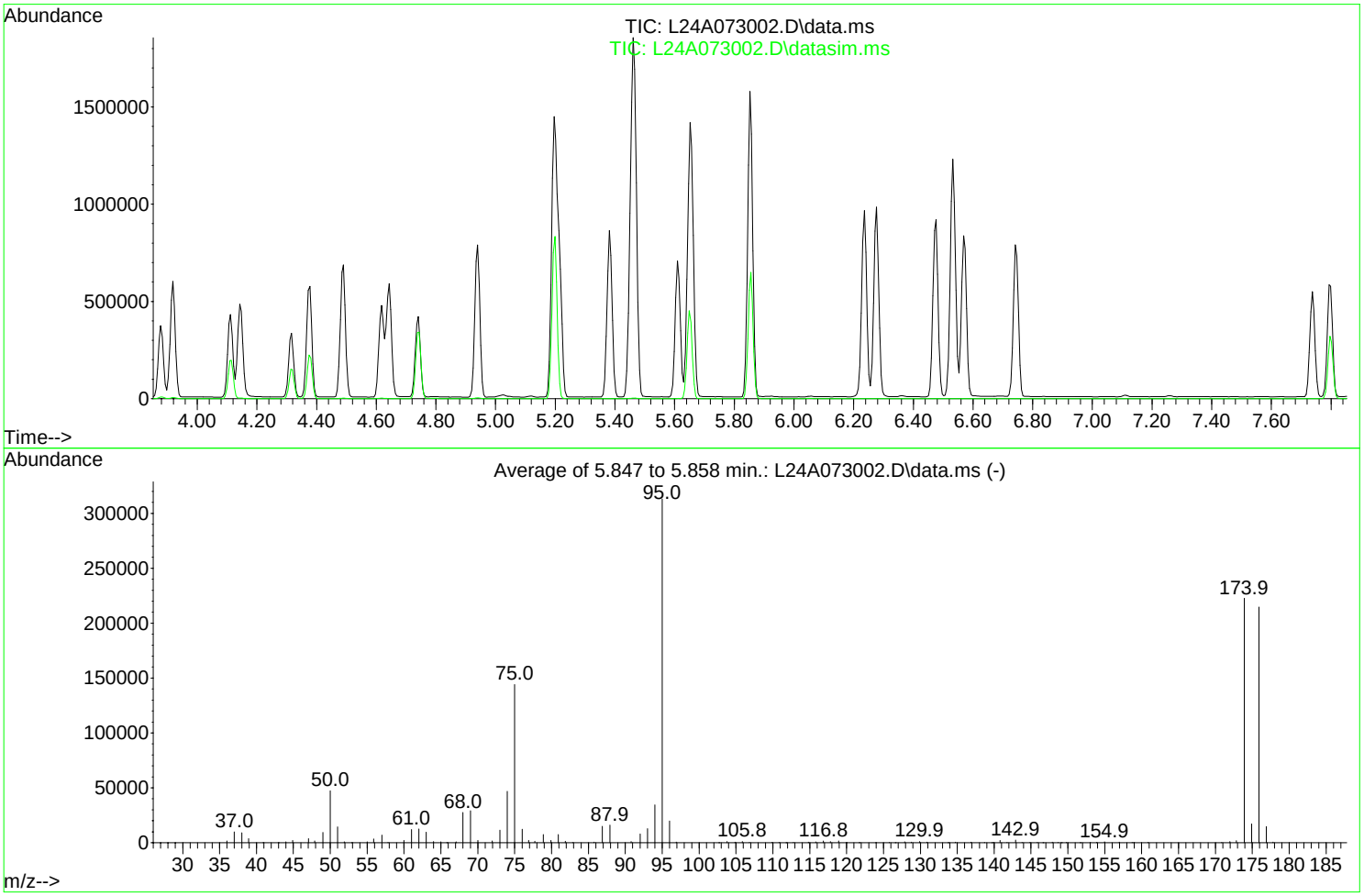
BFB

409

Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073002.D
Acq On : 13 Mar 2024 10:00 am
Operator : CMR
Sample : BFB
Misc : CTIS-612-2182
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
DataAcq Meth:TOSIMSCAN-TW1.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Wed Nov 01 12:42:22 2023



AutoFind: Scans 815, 816, 817; Background Corrected with Scan 808

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.1	47341	PASS
75	95	30	66	46.0	144136	PASS
95	95	100	100	100.0	313131	PASS
96	95	5	9	6.3	19723	PASS
173	174	0.00	2	0.9	1994	PASS
174	95	50	120	71.1	222571	PASS
175	174	4	9	7.7	17161	PASS
176	174	93	101	96.4	214528	PASS
177	176	5	9	6.9	14770	PASS

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Lab File ID:	L24A073002.D	Injection Date:	03/13/24
Instrument ID:	SYSL	Injection Time:	10:00
Sequence:	S101690	Lab Sample ID:	S101690-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	15.1	PASS
75	30 - 66% of 95	46	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.3	PASS
173	Less than 2% of 174	0.896	PASS
174	50 - 120% of 95	71.1	PASS
175	4 - 9% of 174	7.71	PASS
176	93 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.88	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S101690-CCV1	L24A073003.D	03/13/2024	10:26:00
LCS	B368536-BS1	L24A073025.D	03/13/2024	22:21:00
Blank	B368536-BLK1	L24A073028.D	03/13/2024	23:50:00
SSV-DUP-28022024	24C0251-10	L24A073035.D	03/14/2024	3:31:00
Duplicate	B368536-DUP1	L24A073036.D	03/14/2024	3:59:00
5AVE-SSV-1-28022024	24C0251-07	L24A073037.D	03/14/2024	4:27:00
5AVE-SSV-2-28022024	24C0251-05	L24A073038.D	03/14/2024	4:55:00
5AVE-SSV-3-28022024	24C0251-03	L24A073039.D	03/14/2024	5:23:00
CVS-SV-1-28022024	24C0251-02	L24A073040.D	03/14/2024	5:51:00
CVS-SV-2-28022024	24C0251-01	L24A073041.D	03/14/2024	6:19:00
CVS-SV-2-28022024	24C0251-01RE1	L24A073042.D	03/14/2024	6:46:00

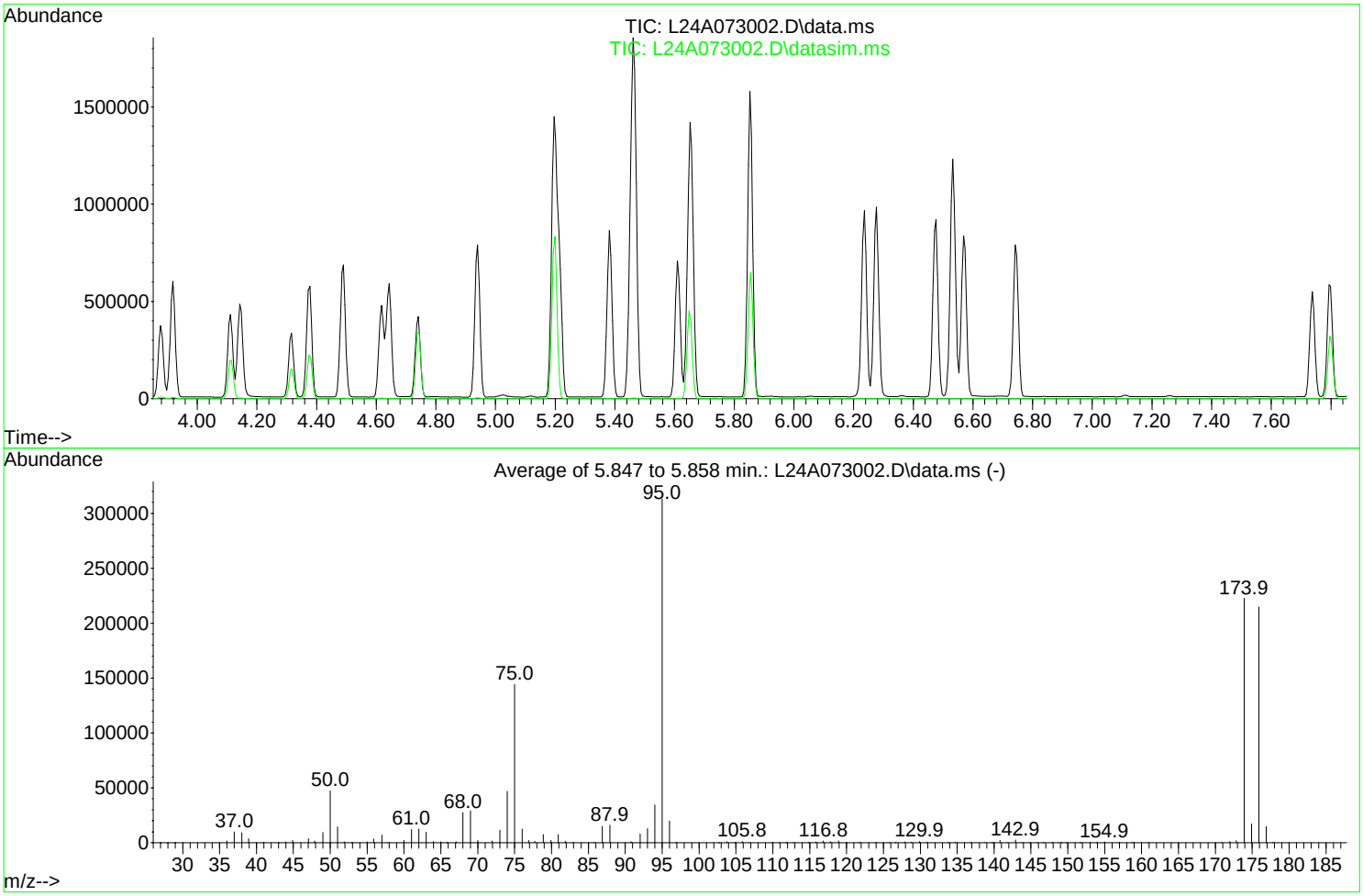
BFB

411

Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073002.D
Acq On : 13 Mar 2024 10:00 am
Operator : CMR
Sample : BFB
Misc : CTIS-612-2182
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
DataAcq Meth:TOSIMSCAN-TW1.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Wed Nov 01 12:42:22 2023



AutoFind: Scans 815, 816, 817; Background Corrected with Scan 808

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.1	47341	PASS
75	95	30	66	46.0	144136	PASS
95	95	100	100	100.0	313131	PASS
96	95	5	9	6.3	19723	PASS
173	174	0.00	2	0.9	1994	PASS
174	95	50	120	71.1	222571	PASS
175	174	4	9	7.7	17161	PASS
176	174	93	101	96.4	214528	PASS
177	176	5	9	6.9	14770	PASS

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acetone												
Acrolein											0.1	0.3885115
Benzene							0.025	0.8405486	0.05	0.739919	0.1	0.7347861
Benzyl chloride									0.05	0.5291838	0.1	0.5301415
Bromodichloromethane							0.025	0.5317313	0.05	0.5376995	0.1	0.5445079
Bromoform							0.025	0.5174954	0.05	0.4738566	0.1	0.4777173
Bromomethane									0.05	0.7347401	0.1	0.6158904
1,3-Butadiene									0.05	0.5279098	0.1	0.5708131
2-Butanone (MEK)							0.025	2.124353	0.05	1.613277	0.1	1.327663
Carbon Disulfide							0.025	2.437864	0.05	2.294339	0.1	1.938822
Carbon Tetrachloride							0.025	0.4552518	0.05	0.4891597	0.1	0.5508627
Chlorobenzene							0.025	0.7633729	0.05	0.7465406	0.1	0.7231048
Chloroethane									0.05	0.4993475	0.1	0.5623455
Chloroform							0.025	1.446894	0.05	1.310418	0.1	1.484562
Chloromethane							0.025	0.7684462	0.05	0.5402211	0.1	0.5932272
Cyclohexane							0.025	0.4099441	0.05	0.2546998	0.1	0.3335315
Dibromochloromethane							0.025	0.5536086	0.05	0.6053998	0.1	0.5859509
1,2-Dibromoethane (EDB)									0.05	0.6836859	0.1	0.540104
1,2-Dichlorobenzene							0.025	0.5958688	0.05	0.6185729	0.1	0.6045218
1,3-Dichlorobenzene							0.025	0.5935637	0.05	0.5154461	0.1	0.4810059
1,4-Dichlorobenzene							0.025	0.535552	0.05	0.4683992	0.1	0.4229718
Dichlorodifluoromethane (Freon							0.025	1.59821	0.05	1.932879	0.1	1.777191
1,1-Dichloroethane							0.025	1.41228	0.05	1.557629	0.1	1.329407
1,2-Dichloroethane							0.025	1.083934	0.05	0.8396326	0.1	0.9496118
1,1-Dichloroethylene							0.025	1.071078	0.05	1.203063	0.1	1.103024
cis-1,2-Dichloroethylene							0.025	0.8693233	0.05	0.9115308	0.1	0.8248398
trans-1,2-Dichloroethylene							0.025	1.278766	0.05	0.998695	0.1	1.116722
1,2-Dichloropropane							0.025	0.2439367	0.05	0.2880149	0.1	0.2560041
cis-1,3-Dichloropropene							0.025	0.4432906	0.05	0.3781092	0.1	0.385277
trans-1,3-Dichloropropene							0.025	0.3740604	0.05	0.3822288	0.1	0.315466
1,2-Dichloro-1,1,2,2-tetrafluoroe							0.025	1.743592	0.05	1.908256	0.1	1.781674

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane											0.1	0.2013536
Ethanol												
Ethyl Acetate									0.05	0.3442248	0.1	0.2131832
Ethylbenzene							0.025	1.188664	0.05	1.090924	0.1	1.120445
4-Ethyltoluene							0.025	1.239761	0.05	1.11934	0.1	1.126345
Heptane							0.025	0.2812702	0.05	0.2453859	0.1	0.2151524
Hexachlorobutadiene							0.025	0.4544892	0.05	0.4343372	0.1	0.4239391
Hexane									0.05	0.7007608	0.1	0.7518694
2-Hexanone (MBK)									0.05	0.5690796	0.1	0.5839197
Isopropanol												
Methyl tert-Butyl Ether (MTBE)							0.025	2.377535	0.05	2.346539	0.1	2.143289
Methylene Chloride									0.05	0.9435402	0.1	0.9638074
Methyl methacrylate									0.05	0.2942839	0.1	0.2467443
4-Methyl-2-pentanone (MIBK)									0.05	0.272432	0.1	0.245655
Naphthalene							0.025	0.8417464	0.05	0.6825568	0.1	0.9846451
Propene											0.1	0.5787825
Styrene							0.025	0.6888413	0.05	0.5858283	0.1	0.5995889
1,1,2,2-Tetrachloroethane							0.025	0.6077785	0.05	0.6466129	0.1	0.6799661
Tetrachloroethylene							0.025	0.4352801	0.05	0.3831501	0.1	0.4393181
Tetrahydrofuran									0.05	1.045971	0.1	0.9077721
Toluene							0.025	1.103375	0.05	0.9149686	0.1	0.9399589
1,2,4-Trichlorobenzene									0.05	0.2184859	0.1	0.3335993
1,1,1-Trichloroethane							0.025	0.5030968	0.05	0.5566856	0.1	0.5289843
1,1,2-Trichloroethane							0.025	0.2339678	0.05	0.3878548	0.1	0.3161891
Trichloroethylene							0.025	0.368986	0.05	0.3788256	0.1	0.3339854
Trichlorofluoromethane (Freon 1							0.025	2.054135	0.05	1.718169	0.1	1.756271
1,1,2-Trichloro-1,2,2-trifluoroeth							0.025	1.416236	0.05	1.373452	0.1	1.484811
1,2,4-Trimethylbenzene							0.025	0.985431	0.05	0.8396935	0.1	0.9064926
1,3,5-Trimethylbenzene							0.025	1.044595	0.05	0.8886223	0.1	0.9765204
Vinyl Acetate												
Vinyl Chloride							0.025	0.7130627	0.05	0.7312929	0.1	0.8019276

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
m&p-Xylene							0.05	0.9358713	0.1	0.920426	0.2	0.9592069
o-Xylene							0.025	0.8647974	0.05	0.7275336	0.1	0.8277596
4-Bromofluorobenzene (1)	8	0.5127263	8	0.5363439	8	0.5377228	8	0.541807	8	0.5388061	8	0.5350199
Acetone												
Acrolein											0.1	0.3885115
Benzene							0.025	0.8405486	0.05	0.739919	0.1	0.7347861
Benzyl chloride									0.05	0.5291838	0.1	0.5301415
Bromodichloromethane							0.025	0.5317313	0.05	0.5376995	0.1	0.5445079
Bromodichloromethane (SIM)	0.005	0.5827138	0.01	0.5829442	0.02	0.5638501	0.025	0.5750529	0.05	0.5658191	0.1	0.5750555
Bromoform							0.025	0.5174954	0.05	0.4738566	0.1	0.4777173
Bromomethane									0.05	0.7347401	0.1	0.6158904
1,3-Butadiene									0.05	0.5279098	0.1	0.5708131
2-Butanone (MEK)							0.025	2.124353	0.05	1.613277	0.1	1.327663
Carbon Disulfide							0.025	2.437864	0.05	2.294339	0.1	1.938822
Carbon Tetrachloride							0.025	0.4552518	0.05	0.4891597	0.1	0.5508627
Carbon Tetrachloride (SIM)	0.005	0.5117317	0.01	0.5434783	0.02	0.5263163	0.025	0.5394512	0.05	0.5273588	0.1	0.5353727
Chlorobenzene							0.025	0.7633729	0.05	0.7465406	0.1	0.7231048
Chloroethane							0.025	0.8070169	0.05	0.4993475	0.1	0.5623455
Chloroform							0.025	1.446894	0.05	1.310418	0.1	1.484562
Chloroform (SIM)	0.005	1.260822	0.01	1.438163	0.02	1.402663	0.025	1.462662	0.05	1.40401	0.1	1.399825
Chloromethane							0.025	0.7684462	0.05	0.5402211	0.1	0.5932272
Cyclohexane							0.025	0.4099441	0.05	0.2546998	0.1	0.3335315
Dibromochloromethane							0.025	0.5536086	0.05	0.6053998	0.1	0.5859509
1,2-Dibromoethane (EDB)									0.05	0.6836859	0.1	0.540104
1,2-Dichlorobenzene							0.025	0.5958688	0.05	0.6185729	0.1	0.6045218
1,3-Dichlorobenzene							0.025	0.5935637	0.05	0.5154461	0.1	0.4810059
1,4-Dichlorobenzene							0.025	0.535552	0.05	0.4683992	0.1	0.4229718
Dichlorodifluoromethane (Freon							0.025	1.59821	0.05	1.932879	0.1	1.777191
1,1-Dichloroethane							0.025	1.41228	0.05	1.557629	0.1	1.329407
1,1-Dichloroethane (SIM)	0.005	1.579299	0.01	1.336366	0.02	1.37923	0.025	1.358571	0.05	1.32276	0.1	1.350808
1,2-Dichloroethane							0.025	1.083934	0.05	0.8396326	0.1	0.9496118

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,2-Dichloroethane (SIM)	0.005	0.959795	0.01	1.017977	0.02	0.9172546	0.025	0.9556659	0.05	0.9227627	0.1	0.9069225
1,1-Dichloroethylene							0.025	1.071078	0.05	1.203063	0.1	1.103024
1,1-Dichloroethylene (SIM)	0.005	1.173567	0.01	1.156595	0.02	1.038886	0.025	1.1127	0.05	1.10178	0.1	1.108689
cis-1,2-Dichloroethylene							0.025	0.8693233	0.05	0.9115308	0.1	0.8248398
cis-1,2-Dichloroethylene (SIM)	0.005	0.8899917	0.01	0.924843	0.02	0.9116752	0.025	0.9395138	0.05	0.8821379	0.1	0.9194616
trans-1,2-Dichloroethylene							0.025	1.278766	0.05	0.998695	0.1	1.116722
trans-1,2-Dichloroethylene (SIM	0.005	1.134303	0.01	1.141434	0.02	1.14601	0.025	1.132442	0.05	1.104458	0.1	1.09387
1,2-Dichloropropane							0.025	0.2439367	0.05	0.2880149	0.1	0.2560041
1,2-Dichloropropane (SIM)	0.005	0.2311046	0.01	0.2663948	0.02	0.2694841	0.025	0.253281	0.05	0.265023	0.1	0.2623378
cis-1,3-Dichloropropene							0.025	0.4432906	0.05	0.3781092	0.1	0.385277
cis-1,3-Dichloropropene (SIM)	0.005	0.4407495	0.01	0.4382359	0.02	0.3753378	0.025	0.4167099	0.05	0.3874576	0.1	0.3796608
trans-1,3-Dichloropropene							0.025	0.3740604	0.05	0.3822288	0.1	0.315466
trans-1,3-Dichloropropene (SIM	0.005	0.5051287	0.01	0.4670131	0.02	0.3837723	0.025	0.3892457	0.05	0.3439589	0.1	0.3368724
1,2-Dichloro-1,1,2,2-tetrafluoroe							0.025	1.743592	0.05	1.908256	0.1	1.781674
1,4-Dioxane											0.1	0.2013536
Ethanol												
Ethyl Acetate									0.05	0.3442248	0.1	0.2131832
Ethylbenzene							0.025	1.188664	0.05	1.090924	0.1	1.120445
4-Ethyltoluene							0.025	1.239761	0.05	1.11934	0.1	1.126345
Heptane							0.025	0.2812702	0.05	0.2453859	0.1	0.2151524
Hexachlorobutadiene							0.025	0.4544892	0.05	0.4343372	0.1	0.4239391
Hexane									0.05	0.7007608	0.1	0.7518694
2-Hexanone (MBK)									0.05	0.5690796	0.1	0.5839197
Isopropanol												
Methyl tert-Butyl Ether (MTBE)							0.025	2.377535	0.05	2.346539	0.1	2.143289
Methylene Chloride									0.05	0.9435402	0.1	0.9638074
Methyl methacrylate									0.05	0.2942839	0.1	0.2467443
4-Methyl-2-pentanone (MIBK)									0.05	0.272432	0.1	0.245655
Naphthalene							0.025	0.8417464	0.05	0.6825568	0.1	0.9846451
Propene											0.1	0.5787825
Styrene							0.025	0.6888413	0.05	0.5858283	0.1	0.5995889

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,1,2,2-Tetrachloroethane							0.025	0.6077785	0.05	0.6466129	0.1	0.6799661
1,1,2,2-Tetrachloroethane (SIM)	0.005	0.7298716	0.01	0.7024329	0.02	0.6588469	0.025	0.6823256	0.05	0.6566451	0.1	0.6526327
Tetrachloroethylene							0.025	0.4352801	0.05	0.3831501	0.1	0.4393181
Tetrahydrofuran									0.05	1.045971	0.1	0.9077721
Toluene							0.025	1.103375	0.05	0.9149686	0.1	0.9399589
1,2,4-Trichlorobenzene									0.05	0.2184859	0.1	0.3335993
1,1,1-Trichloroethane							0.025	0.5030968	0.05	0.5566856	0.1	0.5289843
1,1,2-Trichloroethane							0.025	0.2339678	0.05	0.3878548	0.1	0.3161891
1,1,2-Trichloroethane (SIM)	0.005	0.3253238	0.01	0.3252933	0.02	0.3244289	0.025	0.3199372	0.05	0.3020224	0.1	0.2987936
Trichloroethylene							0.025	0.368986	0.05	0.3788256	0.1	0.3339854
Trichloroethylene (SIM)	0.005	0.3450062	0.01	0.3403933	0.02	0.3272608	0.025	0.3505924	0.05	0.3313627	0.1	0.3271243
Trichlorofluoromethane (Freon 1							0.025	2.054135	0.05	1.718169	0.1	1.756271
1,1,2-Trichloro-1,2,2-trifluoroeth							0.025	1.416236	0.05	1.373452	0.1	1.484811
1,2,4-Trimethylbenzene							0.025	0.985431	0.05	0.8396935	0.1	0.9064926
1,3,5-Trimethylbenzene							0.025	1.044595	0.05	0.8886223	0.1	0.9765204
Vinyl Acetate												
Vinyl Chloride							0.025	0.7130627	0.05	0.7312929	0.1	0.8019276
Vinyl Chloride (SIM)			0.01	0.6735976	0.02	0.6539066	0.025	0.6649281	0.05	0.6571392	0.1	0.6663988
m&p-Xylene							0.05	0.9358713	0.1	0.920426	0.2	0.9592069
o-Xylene							0.025	0.8647974	0.05	0.7275336	0.1	0.8277596
4-Bromofluorobenzene (1)	8	0.5127263	8	0.5363439	8	0.5377228	8	0.541807	8	0.5388061	8	0.5350199
4-Bromofluorobenzene (1) (SIM	8	0.4814846	8	0.4986124	8	0.5059267	8	0.5030059	8	0.5082102	8	0.5059838

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acetone					0.5	1.245483	1	1.321763	2	1.065935	5	1.077574
Acrolein	0.2	0.3703797	0.25	0.3091929	0.5	0.3264387	1	0.3135294	2	0.2863925	5	0.2909864
Benzene	0.2	0.7437176	0.25	0.7350453	0.5	0.7032121	1	0.6913739	2	0.6735362	5	0.7115321
Benzyl chloride	0.2	0.5165149	0.25	0.4987211	0.5	0.5451883	1	0.5960513	2	0.5888905	5	0.7057336
Bromodichloromethane	0.2	0.5834203	0.25	0.5586067	0.5	0.5699647	1	0.5664825	2	0.5391603	5	0.5719574
Bromoform	0.2	0.4963005	0.25	0.4567796	0.5	0.4653316	1	0.4750214	2	0.4484417	5	0.4909786
Bromomethane	0.2	0.6320844	0.25	0.5936059	0.5	0.6082242	1	0.657994	2	0.6174078	5	0.6271715
1,3-Butadiene	0.2	0.6047893	0.25	0.5738831	0.5	0.5180168	1	0.5720197	2	0.528946	5	0.5445443
2-Butanone (MEK)	0.2	1.353763	0.25	1.299379	0.5	1.24298	1	1.247982	2	1.210686	5	1.268701
Carbon Disulfide	0.2	2.128388	0.25	1.958626	0.5	1.921137	1	2.084808	2	1.911416	5	2.031092
Carbon Tetrachloride	0.2	0.5300637	0.25	0.5058687	0.5	0.5192849	1	0.5226233	2	0.4915672	5	0.5214178
Chlorobenzene	0.2	0.7089172	0.25	0.7743147	0.5	0.7030196	1	0.7011299	2	0.6710464	5	0.7175072
Chloroethane	0.2	0.4224427	0.25	0.4081104	0.5	0.3821049	1	0.4005607	2	0.3588964	5	0.3763192
Chloroform	0.2	1.452076	0.25	1.4429	0.5	1.356715	1	1.477909	2	1.381841	5	1.47116
Chloromethane	0.2	0.5663739	0.25	0.6332538	0.5	0.6251944	1	0.6085749	2	0.5732989	5	0.6292198
Cyclohexane	0.2	0.3048105	0.25	0.2871373	0.5	0.2649003	1	0.2847996	2	0.2834901	5	0.2955517
Dibromochloromethane	0.2	0.5653218	0.25	0.5578384	0.5	0.5362577	1	0.5538254	2	0.5195757	5	0.5680937
1,2-Dibromoethane (EDB)	0.2	0.5362423	0.25	0.4844798	0.5	0.4723032	1	0.4745159	2	0.4443146	5	0.4748734
1,2-Dichlorobenzene	0.2	0.5637144	0.25	0.55553	0.5	0.5857312	1	0.6123526	2	0.5721425	5	0.6485354
1,3-Dichlorobenzene	0.2	0.5499783	0.25	0.566211	0.5	0.5602262	1	0.6638421	2	0.604509	5	0.7266766
1,4-Dichlorobenzene	0.2	0.5627402	0.25	0.4735249	0.5	0.5150548	1	0.5943891	2	0.5281771	5	0.6612395
Dichlorodifluoromethane (Freon	0.2	1.807923	0.25	1.789718	0.5	1.720148	1	1.786411	2	1.739375	5	1.829387
1,1-Dichloroethane	0.2	1.389524	0.25	1.436629	0.5	1.344	1	1.391161	2	1.343835	5	1.3814
1,2-Dichloroethane	0.2	1.00575	0.25	0.97461	0.5	0.9953351	1	1.001428	2	0.9205804	5	0.982555
1,1-Dichloroethylene	0.2	1.128325	0.25	1.106702	0.5	1.096105	1	1.161724	2	1.095088	5	1.149374
cis-1,2-Dichloroethylene	0.2	0.9630378	0.25	0.9436604	0.5	0.861726	1	0.9142157	2	0.8704585	5	0.9231002
trans-1,2-Dichloroethylene	0.2	1.176218	0.25	1.090621	0.5	1.1338	1	1.131949	2	1.087071	5	1.14249
1,2-Dichloropropane	0.2	0.2575492	0.25	0.2628501	0.5	0.259096	1	0.2511781	2	0.2534091	5	0.2632935
cis-1,3-Dichloropropene	0.2	0.3790913	0.25	0.396923	0.5	0.3732466	1	0.3926311	2	0.3678378	5	0.3982205
trans-1,3-Dichloropropene	0.2	0.3382892	0.25	0.315442	0.5	0.344906	1	0.3336055	2	0.3275223	5	0.3550614
1,2-Dichloro-1,1,2,2-tetrafluoroe	0.2	1.798193	0.25	1.788707	0.5	1.748682	1	1.814072	2	1.724638	5	1.814641

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane	0.2	0.2165196	0.25	0.1688785	0.5	0.165959	1	0.1622003	2	0.1708649	5	0.173569
Ethanol					0.5	0.1706031	1	0.1980375	2	0.1669145	5	0.1707471
Ethyl Acetate	0.2	0.2522272	0.25	0.2315154	0.5	0.2342789	1	0.229772	2	0.1979565	5	0.2222943
Ethylbenzene	0.2	1.222315	0.25	1.168025	0.5	1.083924	1	1.16647	2	1.140236	5	1.221209
4-Ethyltoluene	0.2	1.212281	0.25	1.194748	0.5	1.16839	1	1.200258	2	1.1934	5	1.335017
Heptane	0.2	0.2429932	0.25	0.1995572	0.5	0.2319736	1	0.2069293	2	0.2097615	5	0.2216258
Hexachlorobutadiene	0.2	0.4721893	0.25	0.4674997	0.5	0.457342	1	0.4647468	2	0.4571067	5	0.4900462
Hexane	0.2	0.7918115	0.25	0.7779888	0.5	0.7545484	1	0.7232933	2	0.7063834	5	0.7281922
2-Hexanone (MBK)	0.2	0.5882152	0.25	0.6095611	0.5	0.5810643	1	0.5931449	2	0.5799957	5	0.620284
Isopropanol					0.5	1.225759	1	1.184204	2	1.153112	5	1.218601
Methyl tert-Butyl Ether (MTBE)	0.2	2.067859	0.25	2.173049	0.5	2.072417	1	2.114557	2	2.038064	5	2.105159
Methylene Chloride	0.2	0.844759	0.25	0.9068445	0.5	0.880248	1	0.8316958	2	0.8363329	5	0.8589987
Methyl methacrylate	0.2	0.2455405	0.25	0.2529891	0.5	0.2292865	1	0.234698	2	0.2358878	5	0.2487077
4-Methyl-2-pentanone (MIBK)	0.2	0.2199312	0.25	0.2516378	0.5	0.2284087	1	0.2351782	2	0.2355537	5	0.2445298
Naphthalene	0.2	0.7980555	0.25	0.7595647	0.5	0.7717179	1	0.8753115	2	0.8979787	5	1.081177
Propene	0.2	0.4745056	0.25	0.4164041	0.5	0.367037	1	0.3878514	2	0.3722717	5	0.3689772
Styrene	0.2	0.6338073	0.25	0.6119868	0.5	0.6167098	1	0.6708797	2	0.6500588	5	0.7116032
1,1,2,2-Tetrachloroethane	0.2	0.6626433	0.25	0.6808069	0.5	0.6894221	1	0.680571	2	0.6582739	5	0.7106192
Tetrachloroethylene	0.2	0.3850969	0.25	0.4407776	0.5	0.4156852	1	0.4244359	2	0.4007892	5	0.4188561
Tetrahydrofuran	0.2	0.8750869	0.25	0.9459867	0.5	0.9312087	1	0.8664207	2	0.9064213	5	0.8735096
Toluene	0.2	0.9805698	0.25	0.9128157	0.5	0.9142232	1	0.8975034	2	0.8603164	5	0.9310184
1,2,4-Trichlorobenzene	0.2	0.3060414	0.25	0.2682382	0.5	0.2898888	1	0.3310802	2	0.3505158	5	0.4184739
1,1,1-Trichloroethane	0.2	0.4816197	0.25	0.5042617	0.5	0.50146	1	0.5020662	2	0.4858549	5	0.5080859
1,1,2-Trichloroethane	0.2	0.3086717	0.25	0.2854139	0.5	0.290849	1	0.3102492	2	0.30723	5	0.316923
Trichloroethylene	0.2	0.3338769	0.25	0.3320961	0.5	0.3357876	1	0.3260133	2	0.3103305	5	0.3272097
Trichlorofluoromethane (Freon 1	0.2	1.92418	0.25	1.736618	0.5	1.728108	1	1.839517	2	1.754665	5	1.84244
1,1,2-Trichloro-1,2,2-trifluoroeth	0.2	1.487585	0.25	1.377158	0.5	1.430703	1	1.480229	2	1.373772	5	1.448339
1,2,4-Trimethylbenzene	0.2	0.9561177	0.25	0.9705636	0.5	0.9505985	1	1.012857	2	1.004878	5	1.122859
1,3,5-Trimethylbenzene	0.2	1.075699	0.25	1.008554	0.5	0.9857639	1	1.02594	2	1.021807	5	1.131302
Vinyl Acetate	0.2	1.630378	0.25	1.56235	0.5	1.337893	1	1.524466	2	1.452674	5	1.445787
Vinyl Chloride	0.2	0.6812409	0.25	0.6995022	0.5	0.6606366	1	0.6955289	2	0.6827037	5	0.7269388

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
m&p-Xylene	0.4	0.9454503	0.5	0.9156327	1	0.9347539	2	0.970446	4	0.9435359	10	1.024249
o-Xylene	0.2	1.3361	0.25	0.9229881	0.5	0.91841	1	0.9328569	2	0.8962624	5	1.006169
4-Bromofluorobenzene (1)	8	0.5482272	8	0.5449896	8	0.5500881	8	0.5558753	8	0.5633761	8	0.5724537
Acetone					0.5	1.245483	1	1.321763	2	1.065935	5	1.077574
Acrolein	0.2	0.3703797	0.25	0.3091929	0.5	0.3264387	1	0.3135294	2	0.2863925	5	0.2909864
Benzene	0.2	0.7437176	0.25	0.7350453	0.5	0.7032121	1	0.6913739	2	0.6735362	5	0.7115321
Benzyl chloride	0.2	0.5165149	0.25	0.4987211	0.5	0.5451883	1	0.5960513	2	0.5888905	5	0.7057336
Bromodichloromethane	0.2	0.5834203	0.25	0.5586067	0.5	0.5699647	1	0.5664825	2	0.5391603	5	0.5719574
Bromodichloromethane (SIM)	0.2	0.5841454	0.25	0.5758209	0.5	0.5679076	1	0.5807065	2	0.5538596	5	0.5806067
Bromoform	0.2	0.4963005	0.25	0.4567796	0.5	0.4653316	1	0.4750214	2	0.4484417	5	0.4909786
Bromomethane	0.2	0.6320844	0.25	0.5936059	0.5	0.6082242	1	0.657994	2	0.6174078	5	0.6271715
1,3-Butadiene	0.2	0.6047893	0.25	0.5738831	0.5	0.5180168	1	0.5720197	2	0.528946	5	0.5445443
2-Butanone (MEK)	0.2	1.353763	0.25	1.299379	0.5	1.24298	1	1.247982	2	1.210686	5	1.268701
Carbon Disulfide	0.2	2.128388	0.25	1.958626	0.5	1.921137	1	2.084808	2	1.911416	5	2.031092
Carbon Tetrachloride	0.2	0.5300637	0.25	0.5058687	0.5	0.5192849	1	0.5226233	2	0.4915672	5	0.5214178
Carbon Tetrachloride (SIM)	0.2	0.5451504	0.25	0.5429856	0.5	0.5299663	1	0.5381781	2	0.5182142	5	0.5383294
Chlorobenzene	0.2	0.7089172	0.25	0.7743147	0.5	0.7030196	1	0.7011299	2	0.6710464	5	0.7175072
Chloroethane	0.2	0.4224427	0.25	0.4081104	0.5	0.3821049	1	0.4005607	2	0.3588964	5	0.3763192
Chloroform	0.2	1.452076	0.25	1.4429	0.5	1.356715	1	1.477909	2	1.381841	5	1.47116
Chloroform (SIM)	0.2	1.441765	0.25	1.406041	0.5	1.388594	1	1.423977	2	1.364794	5	1.441653
Chloromethane	0.2	0.5663739	0.25	0.6332538	0.5	0.6251944	1	0.6085749	2	0.5732989	5	0.6292198
Cyclohexane	0.2	0.3048105	0.25	0.2871373	0.5	0.2649003	1	0.2847996	2	0.2834901	5	0.2955517
Dibromochloromethane	0.2	0.5653218	0.25	0.5578384	0.5	0.5362577	1	0.5538254	2	0.5195757	5	0.5680937
1,2-Dibromoethane (EDB)	0.2	0.5362423	0.25	0.4844798	0.5	0.4723032	1	0.4745159	2	0.4443146	5	0.4748734
1,2-Dichlorobenzene	0.2	0.5637144	0.25	0.55553	0.5	0.5857312	1	0.6123526	2	0.5721425	5	0.6485354
1,3-Dichlorobenzene	0.2	0.5499783	0.25	0.566211	0.5	0.5602262	1	0.6638421	2	0.604509	5	0.7266766
1,4-Dichlorobenzene	0.2	0.5627402	0.25	0.4735249	0.5	0.5150548	1	0.5943891	2	0.5281771	5	0.6612395
Dichlorodifluoromethane (Freon	0.2	1.807923	0.25	1.789718	0.5	1.720148	1	1.786411	2	1.739375	5	1.829387
1,1-Dichloroethane	0.2	1.389524	0.25	1.436629	0.5	1.344	1	1.391161	2	1.343835	5	1.3814
1,1-Dichloroethane (SIM)	0.2	1.39022	0.25	1.349689	0.5	1.334355	1	1.350547	2	1.307868	5	1.367428
1,2-Dichloroethane	0.2	1.00575	0.25	0.97461	0.5	0.9953351	1	1.001428	2	0.9205804	5	0.982555

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,2-Dichloroethane (SIM)	0.2	0.9353852	0.25	0.9223333	0.5	0.9130178	1	0.923368	2	0.8842463	5	0.9393545
1,1-Dichloroethylene	0.2	1.128325	0.25	1.106702	0.5	1.096105	1	1.161724	2	1.095088	5	1.149374
1,1-Dichloroethylene (SIM)	0.2	1.148568	0.25	1.132804	0.5	1.103556	1	1.130374	2	1.089681	5	1.141327
cis-1,2-Dichloroethylene	0.2	0.9630378	0.25	0.9436604	0.5	0.861726	1	0.9142157	2	0.8704585	5	0.9231002
cis-1,2-Dichloroethylene (SIM)	0.2	0.9270048	0.25	0.905382	0.5	0.8977277	1	0.9133243	2	0.8761705	5	0.9327075
trans-1,2-Dichloroethylene	0.2	1.176218	0.25	1.090621	0.5	1.1338	1	1.131949	2	1.087071	5	1.14249
trans-1,2-Dichloroethylene (SIM	0.2	1.134218	0.25	1.117411	0.5	1.090618	1	1.108504	2	1.060116	5	1.121418
1,2-Dichloropropane	0.2	0.2575492	0.25	0.2628501	0.5	0.259096	1	0.2511781	2	0.2534091	5	0.2632935
1,2-Dichloropropane (SIM)	0.2	0.2631402	0.25	0.2618446	0.5	0.2563477	1	0.2608917	2	0.2498129	5	0.2628828
cis-1,3-Dichloropropene	0.2	0.3790913	0.25	0.396923	0.5	0.3732466	1	0.3926311	2	0.3678378	5	0.3982205
cis-1,3-Dichloropropene (SIM)	0.2	0.392027	0.25	0.3908477	0.5	0.3813441	1	0.3927307	2	0.3703272	5	0.4009983
trans-1,3-Dichloropropene	0.2	0.3382892	0.25	0.315442	0.5	0.344906	1	0.3336055	2	0.3275223	5	0.3550614
trans-1,3-Dichloropropene (SIM	0.2	0.3492235	0.25	0.3445085	0.5	0.3463922	1	0.3493288	2	0.320978	5	0.3594562
1,2-Dichloro-1,1,2,2-tetrafluoroe	0.2	1.798193	0.25	1.788707	0.5	1.748682	1	1.814072	2	1.724638	5	1.814641
1,4-Dioxane	0.2	0.2165196	0.25	0.1688785	0.5	0.165959	1	0.1622003	2	0.1708649	5	0.173569
Ethanol					0.5	0.1706031	1	0.1980375	2	0.1669145	5	0.1707471
Ethyl Acetate	0.2	0.2522272	0.25	0.2315154	0.5	0.2342789	1	0.229772	2	0.1979565	5	0.2222943
Ethylbenzene	0.2	1.222315	0.25	1.168025	0.5	1.083924	1	1.16647	2	1.140236	5	1.221209
4-Ethyltoluene	0.2	1.212281	0.25	1.194748	0.5	1.16839	1	1.200258	2	1.1934	5	1.335017
Heptane	0.2	0.2429932	0.25	0.1995572	0.5	0.2319736	1	0.2069293	2	0.2097615	5	0.2216258
Hexachlorobutadiene	0.2	0.4721893	0.25	0.4674997	0.5	0.457342	1	0.4647468	2	0.4571067	5	0.4900462
Hexane	0.2	0.7918115	0.25	0.7779888	0.5	0.7545484	1	0.7232933	2	0.7063834	5	0.7281922
2-Hexanone (MBK)	0.2	0.5882152	0.25	0.6095611	0.5	0.5810643	1	0.5931449	2	0.5799957	5	0.620284
Isopropanol					0.5	1.225759	1	1.184204	2	1.153112	5	1.218601
Methyl tert-Butyl Ether (MTBE)	0.2	2.067859	0.25	2.173049	0.5	2.072417	1	2.114557	2	2.038064	5	2.105159
Methylene Chloride	0.2	0.844759	0.25	0.9068445	0.5	0.880248	1	0.8316958	2	0.8363329	5	0.8589987
Methyl methacrylate	0.2	0.2455405	0.25	0.2529891	0.5	0.2292865	1	0.234698	2	0.2358878	5	0.2487077
4-Methyl-2-pentanone (MIBK)	0.2	0.2199312	0.25	0.2516378	0.5	0.2284087	1	0.2351782	2	0.2355537	5	0.2445298
Naphthalene	0.2	0.7980555	0.25	0.7595647	0.5	0.7717179	1	0.8753115	2	0.8979787	5	1.081177
Propene	0.2	0.4745056	0.25	0.4164041	0.5	0.367037	1	0.3878514	2	0.3722717	5	0.3689772
Styrene	0.2	0.6338073	0.25	0.6119868	0.5	0.6167098	1	0.6708797	2	0.6500588	5	0.7116032

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC_EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW_South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,1,2,2-Tetrachloroethane	0.2	0.6626433	0.25	0.6808069	0.5	0.6894221	1	0.680571	2	0.6582739	5	0.7106192
1,1,2,2-Tetrachloroethane (SIM)	0.2	0.676941	0.25	0.6654354	0.5	0.6508043	1	0.6727981	2	0.6349921	5	0.6948658
Tetrachloroethylene	0.2	0.3850969	0.25	0.4407776	0.5	0.4156852	1	0.4244359	2	0.4007892	5	0.4188561
Tetrahydrofuran	0.2	0.8750869	0.25	0.9459867	0.5	0.9312087	1	0.8664207	2	0.9064213	5	0.8735096
Toluene	0.2	0.9805698	0.25	0.9128157	0.5	0.9142232	1	0.8975034	2	0.8603164	5	0.9310184
1,2,4-Trichlorobenzene	0.2	0.3060414	0.25	0.2682382	0.5	0.2898888	1	0.3310802	2	0.3505158	5	0.4184739
1,1,1-Trichloroethane	0.2	0.4816197	0.25	0.5042617	0.5	0.50146	1	0.5020662	2	0.4858549	5	0.5080859
1,1,2-Trichloroethane	0.2	0.3086717	0.25	0.2854139	0.5	0.290849	1	0.3102492	2	0.30723	5	0.316923
1,1,2-Trichloroethane (SIM)	0.2	0.3174963	0.25	0.3067758	0.5	0.3003924	1	0.3104185	2	0.2933246	5	0.3144594
Trichloroethylene	0.2	0.3338769	0.25	0.3320961	0.5	0.3357876	1	0.3260133	2	0.3103305	5	0.3272097
Trichloroethylene (SIM)	0.2	0.3437702	0.25	0.3404259	0.5	0.3326575	1	0.339057	2	0.3185053	5	0.3364185
Trichlorofluoromethane (Freon 1	0.2	1.92418	0.25	1.736618	0.5	1.728108	1	1.839517	2	1.754665	5	1.84244
1,1,2-Trichloro-1,2,2-trifluoroeth	0.2	1.487585	0.25	1.377158	0.5	1.430703	1	1.480229	2	1.373772	5	1.448339
1,2,4-Trimethylbenzene	0.2	0.9561177	0.25	0.9705636	0.5	0.9505985	1	1.012857	2	1.004878	5	1.122859
1,3,5-Trimethylbenzene	0.2	1.075699	0.25	1.008554	0.5	0.9857639	1	1.02594	2	1.021807	5	1.131302
Vinyl Acetate	0.2	1.630378	0.25	1.56235	0.5	1.337893	1	1.524466	2	1.452674	5	1.445787
Vinyl Chloride	0.2	0.6812409	0.25	0.6995022	0.5	0.6606366	1	0.6955289	2	0.6827037	5	0.7269388
Vinyl Chloride (SIM)	0.2	0.6954545	0.25	0.6709045	0.5	0.6619978	1	0.6745446	2	0.6522516	5	0.6843902
m&p-Xylene	0.4	0.9454503	0.5	0.9156327	1	0.9347539	2	0.970446	4	0.9435359	10	1.024249
o-Xylene	0.2	1.3361	0.25	0.9229881	0.5	0.91841	1	0.9328569	2	0.8962624	5	1.006169
4-Bromofluorobenzene (1)	8	0.5482272	8	0.5449896	8	0.5500881	8	0.5558753	8	0.5633761	8	0.5724537
4-Bromofluorobenzene (1) (SIM	8	0.5064722	8	0.5082069	8	0.5102291	8	0.5154219	8	0.5165696	8	0.524506

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
Acetone	10	1.066566	20	1.043876	50	1.034591						
Acrolein	10	0.3002203	20	0.2948334	50	0.2943136						
Benzene	10	0.7120333	20	0.7178307	50	0.701617						
Benzyl chloride	10	0.7787221	20	0.908713	50	0.9732599						
Bromodichloromethane	10	0.5559467	20	0.5625664	50	0.5584126						
Bromoform	10	0.5051828	20	0.5378884	50	0.566327						
Bromomethane	10	0.6209777	20	0.6117503	50	0.6196976						
1,3-Butadiene	10	0.5457284	20	0.5395763	50	0.5364125						
2-Butanone (MEK)	10	1.303022	20	1.277388	50	1.310051						
Carbon Disulfide	10	2.029489	20	2.023291	50	2.005809						
Carbon Tetrachloride	10	0.5049566	20	0.5217923	50	0.5195935						
Chlorobenzene	10	0.7097395	20	0.7216293	50	0.7234525						
Chloroethane	10	0.3764738	20	0.3682364	50	0.3744229						
Chloroform	10	1.471791	20	1.478319	50	1.497396						
Chloromethane	10	0.6049754	20	0.5946872	50	0.5842786						
Cyclohexane	10	0.300168	20	0.3076271	50	0.3096833						
Dibromochloromethane	10	0.5626705	20	0.5793451	50	0.5850593						
1,2-Dibromoethane (EDB)	10	0.4786999	20	0.4936029	50	0.5012719						
1,2-Dichlorobenzene	10	0.6826222	20	0.7070507	50	0.7350761						
1,3-Dichlorobenzene	10	0.7211296	20	0.758448	50	0.7796467						
1,4-Dichlorobenzene	10	0.7038868	20	0.7326535	50	0.7630487						
Dichlorodifluoromethane (Freon	10	1.797488	20	1.766929	50	1.671291						
1,1-Dichloroethane	10	1.393027	20	1.372524	50	1.362476						
1,2-Dichloroethane	10	0.9864991	20	0.9844235	50	1.003153						
1,1-Dichloroethylene	10	1.14557	20	1.143904	50	1.122292						
cis-1,2-Dichloroethylene	10	0.9398835	20	0.9325642	50	0.9530834						
trans-1,2-Dichloroethylene	10	1.132024	20	1.127039	50	1.123388						
1,2-Dichloropropane	10	0.2568314	20	0.2625918	50	0.2675829						
cis-1,3-Dichloropropene	10	0.3998913	20	0.412198	50	0.4280087						
trans-1,3-Dichloropropene	10	0.3631482	20	0.3770312	50	0.4006497						
1,2-Dichloro-1,1,2,2-tetrafluoroe	10	1.793654	20	1.774247	50	1.725887						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane	10	0.1642232	20	0.1590672	50	0.1602169						
Ethanol	10	0.1736403	20	0.1659716	50	0.1667759						
Ethyl Acetate	10	0.2302773	20	0.230179	50	0.2432769						
Ethylbenzene	10	1.229545	20	1.269934	50	1.221129						
4-Ethyltoluene	10	1.388138	20	1.417305	50	1.369847						
Heptane	10	0.2264849	20	0.2315884	50	0.2314939						
Hexachlorobutadiene	10	0.498911	20	0.5205138	50	0.565618						
Hexane	10	0.7477774	20	0.7467133	50	0.7570574						
2-Hexanone (MBK)	10	0.6184435	20	0.6302961	50	0.6192847						
Isopropanol	10	1.192364	20	1.14933	50	1.14152						
Methyl tert-Butyl Ether (MTBE)	10	2.080637	20	2.037727	50	2.013855						
Methylene Chloride	10	0.8559544	20	0.8349997	50	0.8306545						
Methyl methacrylate	10	0.2520785	20	0.2649204	50	0.2771595						
4-Methyl-2-pentanone (MIBK)	10	0.2382985	20	0.2424512	50	0.2417321						
Naphthalene	10	1.171307	20	1.270766	50	1.320589						
Propene	10	0.369303	20	0.3685598	50	0.371544						
Styrene	10	0.7208657	20	0.7560911	50	0.769947						
1,1,2,2-Tetrachloroethane	10	0.7125687	20	0.7366818	50	0.7400068						
Tetrachloroethylene	10	0.4108652	20	0.426132	50	0.4290922						
Tetrahydrofuran	10	0.8860892	20	0.8833382	50	0.901355						
Toluene	10	0.9248147	20	0.9571422	50	0.9262603						
1,2,4-Trichlorobenzene	10	0.4569409	20	0.5068905	50	0.5824473						
1,1,1-Trichloroethane	10	0.5045127	20	0.5084382	50	0.5058846						
1,1,2-Trichloroethane	10	0.3158503	20	0.3215226	50	0.3211385						
Trichloroethylene	10	0.3222816	20	0.3270166	50	0.3315086						
Trichlorofluoromethane (Freon 1	10	1.840487	20	1.804459	50	1.801864						
1,1,2-Trichloro-1,2,2-trifluoroeth	10	1.47478	20	1.434764	50	1.457158						
1,2,4-Trimethylbenzene	10	1.14633	20	1.186414	50	1.173384						
1,3,5-Trimethylbenzene	10	1.160685	20	1.183954	50	1.160115						
Vinyl Acetate	10	1.31971	20	1.374128	50	1.52448						
Vinyl Chloride	10	0.7158434	20	0.714741	50	0.7034901						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
m&p-Xylene	20	1.03967	40	1.060177	100	1.004388						
o-Xylene	10	0.9942707	20	1.025387	50	1.008087						
4-Bromofluorobenzene (1)	8	0.561299	8	0.5794373	8	0.5814325						
Acetone	10	1.066566	20	1.043876	50	1.034591						
Acrolein	10	0.3002203	20	0.2948334	50	0.2943136						
Benzene	10	0.7120333	20	0.7178307	50	0.701617						
Benzyl chloride	10	0.7787221	20	0.908713	50	0.9732599						
Bromodichloromethane	10	0.5559467	20	0.5625664	50	0.5584126						
Bromodichloromethane (SIM)	10	0.5776985	20	0.5818452	50	0.5665026						
Bromoform	10	0.5051828	20	0.5378884	50	0.566327						
Bromomethane	10	0.6209777	20	0.6117503	50	0.6196976						
1,3-Butadiene	10	0.5457284	20	0.5395763	50	0.5364125						
2-Butanone (MEK)	10	1.303022	20	1.277388	50	1.310051						
Carbon Disulfide	10	2.029489	20	2.023291	50	2.005809						
Carbon Tetrachloride	10	0.5049566	20	0.5217923	50	0.5195935						
Carbon Tetrachloride (SIM)	10	0.5331506	20	0.538072	50	0.530296						
Chlorobenzene	10	0.7097395	20	0.7216293	50	0.7234525						
Chloroethane	10	0.3764738	20	0.3682364	50	0.3744229						
Chloroform	10	1.471791	20	1.478319	50	1.497396						
Chloroform (SIM)	10	1.433752	20	1.465782	50	1.449499						
Chloromethane	10	0.6049754	20	0.5946872	50	0.5842786						
Cyclohexane	10	0.300168	20	0.3076271	50	0.3096833						
Dibromochloromethane	10	0.5626705	20	0.5793451	50	0.5850593						
1,2-Dibromoethane (EDB)	10	0.4786999	20	0.4936029	50	0.5012719						
1,2-Dichlorobenzene	10	0.6826222	20	0.7070507	50	0.7350761						
1,3-Dichlorobenzene	10	0.7211296	20	0.758448	50	0.7796467						
1,4-Dichlorobenzene	10	0.7038868	20	0.7326535	50	0.7630487						
Dichlorodifluoromethane (Freon	10	1.797488	20	1.766929	50	1.671291						
1,1-Dichloroethane	10	1.393027	20	1.372524	50	1.362476						
1,1-Dichloroethane (SIM)	10	1.350751	20	1.363126	50	1.329534						
1,2-Dichloroethane	10	0.9864991	20	0.9844235	50	1.003153						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
1,2-Dichloroethane (SIM)	10	0.9295696	20	0.9441831	50	0.9443924						
1,1-Dichloroethylene	10	1.14557	20	1.143904	50	1.122292						
1,1-Dichloroethylene (SIM)	10	1.129601	20	1.150536	50	1.110289						
cis-1,2-Dichloroethylene	10	0.9398835	20	0.9325642	50	0.9530834						
cis-1,2-Dichloroethylene (SIM)	10	0.9265229	20	0.9487084	50	0.9470907						
trans-1,2-Dichloroethylene	10	1.132024	20	1.127039	50	1.123388						
trans-1,2-Dichloroethylene (SIM	10	1.110002	20	1.122558	50	1.094394						
1,2-Dichloropropane	10	0.2568314	20	0.2625918	50	0.2675829						
1,2-Dichloropropane (SIM)	10	0.2573382	20	0.2635088	50	0.2641595						
cis-1,3-Dichloropropene	10	0.3998913	20	0.412198	50	0.4280087						
cis-1,3-Dichloropropene (SIM)	10	0.4030438	20	0.4195495	50	0.4250962						
trans-1,3-Dichloropropene	10	0.3631482	20	0.3770312	50	0.4006497						
trans-1,3-Dichloropropene (SIM	10	0.3654626	20	0.3844072	50	0.3976512						
1,2-Dichloro-1,1,2,2-tetrafluoroe	10	1.793654	20	1.774247	50	1.725887						
1,4-Dioxane	10	0.1642232	20	0.1590672	50	0.1602169						
Ethanol	10	0.1736403	20	0.1659716	50	0.1667759						
Ethyl Acetate	10	0.2302773	20	0.230179	50	0.2432769						
Ethylbenzene	10	1.229545	20	1.269934	50	1.221129						
4-Ethyltoluene	10	1.388138	20	1.417305	50	1.369847						
Heptane	10	0.2264849	20	0.2315884	50	0.2314939						
Hexachlorobutadiene	10	0.498911	20	0.5205138	50	0.565618						
Hexane	10	0.7477774	20	0.7467133	50	0.7570574						
2-Hexanone (MBK)	10	0.6184435	20	0.6302961	50	0.6192847						
Isopropanol	10	1.192364	20	1.14933	50	1.14152						
Methyl tert-Butyl Ether (MTBE)	10	2.080637	20	2.037727	50	2.013855						
Methylene Chloride	10	0.8559544	20	0.8349997	50	0.8306545						
Methyl methacrylate	10	0.2520785	20	0.2649204	50	0.2771595						
4-Methyl-2-pentanone (MIBK)	10	0.2382985	20	0.2424512	50	0.2417321						
Naphthalene	10	1.171307	20	1.270766	50	1.320589						
Propene	10	0.369303	20	0.3685598	50	0.371544						
Styrene	10	0.7208657	20	0.7560911	50	0.769947						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 24C0251

Project: DW South Shore Outdoor (AIR)

Calibration: 2300941 Instrument: SYSL

Calibration Date: 8/2/2023 4:08:03PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
1,1,2,2-Tetrachloroethane	10	0.7125687	20	0.7366818	50	0.7400068						
1,1,2,2-Tetrachloroethane (SIM)	10	0.6946082	20	0.7111172	50	0.703847						
Tetrachloroethylene	10	0.4108652	20	0.426132	50	0.4290922						
Tetrahydrofuran	10	0.8860892	20	0.8833382	50	0.901355						
Toluene	10	0.9248147	20	0.9571422	50	0.9262603						
1,2,4-Trichlorobenzene	10	0.4569409	20	0.5068905	50	0.5824473						
1,1,1-Trichloroethane	10	0.5045127	20	0.5084382	50	0.5058846						
1,1,2-Trichloroethane	10	0.3158503	20	0.3215226	50	0.3211385						
1,1,2-Trichloroethane (SIM)	10	0.3101366	20	0.3159705	50	0.3117014						
Trichloroethylene	10	0.3222816	20	0.3270166	50	0.3315086						
Trichloroethylene (SIM)	10	0.3342316	20	0.3388727	50	0.3407163						
Trichlorofluoromethane (Freon 1	10	1.840487	20	1.804459	50	1.801864						
1,1,2-Trichloro-1,2,2-trifluoroeth	10	1.47478	20	1.434764	50	1.457158						
1,2,4-Trimethylbenzene	10	1.14633	20	1.186414	50	1.173384						
1,3,5-Trimethylbenzene	10	1.160685	20	1.183954	50	1.160115						
Vinyl Acetate	10	1.31971	20	1.374128	50	1.52448						
Vinyl Chloride	10	0.7158434	20	0.714741	50	0.7034901						
Vinyl Chloride (SIM)	10	0.6743884	20	0.6817211	50	0.6635793						
m&p-Xylene	20	1.03967	40	1.060177	100	1.004388						
o-Xylene	10	0.9942707	20	1.025387	50	1.008087						
4-Bromofluorobenzene (1)	8	0.561299	8	0.5794373	8	0.5814325						
4-Bromofluorobenzene (1) (SIM	8	0.5261253	8	0.5302044	8	0.5413451						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	1.122255	10.1			30	
Acrolein	0.3174798	11.0			30	
Benzene	0.7254293	5.8			30	
Benzyl chloride	0.65192	25.6			30	
Bromodichloromethane	0.5567047	2.8			30	
Bromoform	0.4926101	7.0			30	
Bromomethane	0.6308676	6.0			30	
1,3-Butadiene	0.551149	4.7			30	
2-Butanone (MEK)	1.381604	18.5			30	
Carbon Disulfide	2.063757	7.7			30	
Carbon Tetrachloride	0.5110368	4.7			30	
Chlorobenzene	0.7219812	3.9			30	
Chloroethane	0.411751	15.4			30	
Chloroform	1.439332	4.1			30	
Chloromethane	0.6101459	9.3			30	
Cyclohexane	0.3030286	13.1			30	
Dibromochloromethane	0.5644122	4.1			30	
1,2-Dibromoethane (EDB)	0.5076449	12.8			30	
1,2-Dichlorobenzene	0.6234765	9.3			30	
1,3-Dichlorobenzene	0.6267236	16.0			30	
1,4-Dichlorobenzene	0.5801365	19.2			30	
Dichlorodifluoromethane (Freon 12)	1.768079	4.7			30	
1,1-Dichloroethane	1.392824	4.3			30	
1,2-Dichloroethane	0.9772927	5.9			30	
1,1-Dichloroethylene	1.127187	3.2			30	
cis-1,2-Dichloroethylene	0.908952	4.7			30	
trans-1,2-Dichloroethylene	1.128232	5.7			30	
1,2-Dichloropropane	0.2601948	4.1			30	
cis-1,3-Dichloropropene	0.3962271	5.7			30	
trans-1,3-Dichloropropene	0.3522842	7.8			30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	1.784687	2.8			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,4-Dioxane	0.1742852	11.0			30	
Ethanol	0.1732414	6.5			30	
Ethyl Acetate	0.2390169	15.8			30	
Ethylbenzene	1.176902	5.0			30	
4-Ethyltoluene	1.247069	8.3			30	
Heptane	0.2286847	9.5			30	
Hexachlorobutadiene	0.4755616	8.2			30	
Hexane	0.7442178	3.7			30	
2-Hexanone (MBK)	0.5993899	3.5			30	
Isopropanol	1.180699	2.9			30	
Methyl tert-Butyl Ether (MTBE)	2.130891	5.5			30	
Methylene Chloride	0.8716214	5.4			30	
Methyl methacrylate	0.252936	7.6			30	
4-Methyl-2-pentanone (MIBK)	0.2414371	5.6			30	
Naphthalene	0.954618	22.1			30	
Propene	0.4075236	16.9			30	
Styrene	0.6680173	9.2			30	
1,1,2,2-Tetrachloroethane	0.6838293	5.5			30	
Tetrachloroethylene	0.4174566	4.7			30	
Tetrahydrofuran	0.9111963	5.6			30	
Toluene	0.9385805	6.4			30	
1,2,4-Trichlorobenzene	0.3693275	29.8			30	
1,1,1-Trichloroethane	0.5075792	3.8			30	
1,1,2-Trichloroethane	0.309655	11.2			30	
Trichloroethylene	0.3356598	5.7			30	
Trichlorofluoromethane (Freon 11)	1.816743	5.3			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.436582	3.0			30	
1,2,4-Trimethylbenzene	1.021302	10.9			30	
1,3,5-Trimethylbenzene	1.055296	8.5			30	
Vinyl Acetate	1.463541	7.2			30	
Vinyl Chloride	0.7105757	5.0			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
m&p-Xylene	0.9711506	5.0			30	
o-Xylene	0.9550518	15.5			30	
4-Bromofluorobenzene (1)	0.5506403	3.4			30	
Acetone	1.122255	10.1			30	
Acrolein	0.3174798	11.0			30	
Benzene	0.7254293	5.8			30	
Benzyl chloride	0.65192	25.6			30	
Bromodichloromethane	0.5567047	2.8			30	
Bromodichloromethane (SIM)	0.5743019	1.5			30	
Bromoform	0.4926101	7.0			30	
Bromomethane	0.6308676	6.0			30	
1,3-Butadiene	0.551149	4.7			30	
2-Butanone (MEK)	1.381604	18.5			30	
Carbon Disulfide	2.063757	7.7			30	
Carbon Tetrachloride	0.5110368	4.7			30	
Carbon Tetrachloride (SIM)	0.5332034	1.8			30	
Chlorobenzene	0.7219812	3.9			30	
Chloroethane	0.4446898	29.0			30	
Chloroform	1.439332	4.1			30	
Chloroform (SIM)	1.412267	3.6			30	
Chloromethane	0.6101459	9.3			30	
Cyclohexane	0.3030286	13.1			30	
Dibromochloromethane	0.5644122	4.1			30	
1,2-Dibromoethane (EDB)	0.5076449	12.8			30	
1,2-Dichlorobenzene	0.6234765	9.3			30	
1,3-Dichlorobenzene	0.6267236	16.0			30	
1,4-Dichlorobenzene	0.5801365	19.2			30	
Dichlorodifluoromethane (Freon 12)	1.768079	4.7			30	
1,1-Dichloroethane	1.392824	4.3			30	
1,1-Dichloroethane (SIM)	1.364703	4.6			30	
1,2-Dichloroethane	0.9772927	5.9			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,2-Dichloroethane (SIM)	0.9344152	3.2			30	
1,1-Dichloroethylene	1.127187	3.2			30	
1,1-Dichloroethylene (SIM)	1.12193	2.9			30	
cis-1,2-Dichloroethylene	0.908952	4.7			30	
cis-1,2-Dichloroethylene (SIM)	0.9161508	2.5			30	
trans-1,2-Dichloroethylene	1.128232	5.7			30	
trans-1,2-Dichloroethylene (SIM)	1.114117	2.1			30	
1,2-Dichloropropane	0.2601948	4.1			30	
1,2-Dichloropropane (SIM)	0.2591701	3.6			30	
cis-1,3-Dichloropropene	0.3962271	5.7			30	
cis-1,3-Dichloropropene (SIM)	0.4009411	5.6			30	
trans-1,3-Dichloropropene	0.3522842	7.8			30	
trans-1,3-Dichloropropene (SIM)	0.3762266	13.3			30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	1.784687	2.8			30	
1,4-Dioxane	0.1742852	11.0			30	
Ethanol	0.1732414	6.5			30	
Ethyl Acetate	0.2390169	15.8			30	
Ethylbenzene	1.176902	5.0			30	
4-Ethyltoluene	1.247069	8.3			30	
Heptane	0.2286847	9.5			30	
Hexachlorobutadiene	0.4755616	8.2			30	
Hexane	0.7442178	3.7			30	
2-Hexanone (MBK)	0.5993899	3.5			30	
Isopropanol	1.180699	2.9			30	
Methyl tert-Butyl Ether (MTBE)	2.130891	5.5			30	
Methylene Chloride	0.8716214	5.4			30	
Methyl methacrylate	0.252936	7.6			30	
4-Methyl-2-pentanone (MIBK)	0.2414371	5.6			30	
Naphthalene	0.954618	22.1			30	
Propene	0.4075236	16.9			30	
Styrene	0.6680173	9.2			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Calibration:	2300941	Instrument:	SYSL
		Calibration Date:	8/2/2023 4:08:03PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6838293	5.5			30	
1,1,2,2-Tetrachloroethane (SIM)	0.6792109	3.9			30	
Tetrachloroethylene	0.4174566	4.7			30	
Tetrahydrofuran	0.9111963	5.6			30	
Toluene	0.9385805	6.4			30	
1,2,4-Trichlorobenzene	0.3693275	29.8			30	
1,1,1-Trichloroethane	0.5075792	3.8			30	
1,1,2-Trichloroethane	0.309655	11.2			30	
1,1,2-Trichloroethane (SIM)	0.311765	3.2			30	
Trichloroethylene	0.3356598	5.7			30	
Trichloroethylene (SIM)	0.3364263	2.4			30	
Trichlorofluoromethane (Freon 11)	1.816743	5.3			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.436582	3.0			30	
1,2,4-Trimethylbenzene	1.021302	10.9			30	
1,3,5-Trimethylbenzene	1.055296	8.5			30	
Vinyl Acetate	1.463541	7.2			30	
Vinyl Chloride	0.7105757	5.0			30	
Vinyl Chloride (SIM)	0.6696573	1.8			30	
m&p-Xylene	0.9711506	5.0			30	
o-Xylene	0.9550518	15.5			30	
4-Bromofluorobenzene (1)	0.5506403	3.4			30	
4-Bromofluorobenzene (1) (SIM)	0.5121536	2.8			30	

INITIAL CALIBRATION STANDARDS

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S091464	Instrument:	SYSL
Calibration:	2300941		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2206342	TO-15 Calibration Standard 0.005 PPBv	S091464-TUN1	L23A214003.D	08/02/23 16:08
2206342	TO-15 Calibration Standard 0.005 PPBv	S091464-CAL1	L23A214004.D	08/02/23 16:32
2206343	TO-15 Calibration Standard 0.010 PPBv	S091464-CAL2	L23A214005.D	08/02/23 16:58
2206344	TO-15 Calibration Standard 0.020 PPBv	S091464-CAL3	L23A214006.D	08/02/23 17:24
2306742	TO-15 Calibration Standard 0.025 PPBv	S091464-CAL4	L23A214007.D	08/02/23 17:50
2306743	TO-15 Calibration Standard 0.05 PPBv	S091464-CAL5	L23A214008.D	08/02/23 18:17
2306744	TO-15 Calibration Standard 0.10 PPBv	S091464-CAL6	L23A214009.D	08/02/23 18:43
2306745	TO-15 Calibration Standard 0.20 PPBv	S091464-CAL7	L23A214010.D	08/02/23 19:09
2305541	TO-15 Calibration Standard 0.25 PPBv	S091464-CAL8	L23A214011.D	08/02/23 19:35
2306746	TO-15 Calibration Standard 0.50 PPBv	S091464-CAL9	L23A214012.D	08/02/23 20:01
2306747	TO-15 Calibration Standard 1.0 PPBv	S091464-CALA	L23A214013.D	08/02/23 20:30
2306748	TO-15 Calibration Standard 2.0 PPBv	S091464-CALB	L23A214014.D	08/02/23 20:55
2306749	TO-15 Calibration Standard 5.0 PPBv	S091464-CALC	L23A214015.D	08/02/23 21:21
2306750	TO-15 Calibration Standard 10.0 PPBv	S091464-CALD	L23A214016.D	08/02/23 21:48
2306751	TO-15 Calibration Standard 20.0 PPBv	S091464-CALE	L23A214017.D	08/02/23 22:17
2306752	TO-15 Calibration Standard 50.0 PPBv	S091464-CALF	L23A214018.D	08/02/23 22:50

D:\MassHunter\GCMS\1\data\L080223\

Date	Filename	Lab ID	Sample Info
02 Aug 2023 03:09 pm	L23A214001.D	CLUP	CTIS-593-1298
02 Aug 2023 03:43 pm	L23A214002.D	CLUP	
02 Aug 2023 04:08 pm	L23A214003.D	BFB	
02 Aug 2023 04:32 pm	L23A214004.D	0.005PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 04:58 pm	L23A214005.D	0.010PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 05:24 pm	L23A214006.D	0.020PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 05:50 pm	L23A214007.D	0.025PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 06:17 pm	L23A214008.D	0.05PPBV STD	CTWS-4088-2489 08/26
02 Aug 2023 06:43 pm	L23A214009.D	0.10PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 07:09 pm	L23A214010.D	0.20PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 07:35 pm	L23A214011.D	0.25PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 08:01 pm	L23A214012.D	0.50PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 08:30 pm	L23A214013.D	1.0PPBV STD	CTWS-4087-2465 08/25
02 Aug 2023 08:55 pm	L23A214014.D	2.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 09:21 pm	L23A214015.D	5.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 09:48 pm	L23A214016.D	10.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 10:17 pm	L23A214017.D	20.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 10:50 pm	L23A214018.D	50.0PPBV STD	CTWS-4086-2059 08/12
02 Aug 2023 11:16 pm	L23A214019.D	CLUP	
02 Aug 2023 11:42 pm	L23A214020.D	5.0PPBV ICV	CTWS-4085-1300 08/12

Sequence Report

8/3/2023 9:12:29 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T1	50	0	10	TW060823.7200A.CTD	8/2/2023 3:09:14 PM	Completed		
	CLUP	One	T1	50	0	500	TW060823.7200A.CTD	8/2/2023 3:43:00 PM	Completed		
	BFB	One	T2	50	0	10	TW060823.7200A.CTD	8/2/2023 4:08:05 PM	Completed		
	0.005PPBV STD	One	T2	50	0	10	TW060823.7200A.CTD	8/2/2023 4:32:58 PM	Completed		
	0.010PPBV STD	One	T2	50	0	20	TW060823.7200A.CTD	8/2/2023 4:58:55 PM	Completed		
	0.020PPBV STD	One	T2	50	0	40	TW060823.7200A.CTD	8/2/2023 5:24:33 PM	Completed		
	0.025PPBV STD	One	T2	50	0	50	TW060823.7200A.CTD	8/2/2023 5:50:26 PM	Completed		
	0.05PPBV STD	One	T2	50	0	100	TW060823.7200A.CTD	8/2/2023 6:17:12 PM	Completed		
	0.10PPBV STD	One	T3	50	0	20	TW060823.7200A.CTD	8/2/2023 6:43:16 PM	Completed		
	0.20PPBV STD	One	T3	50	0	40	TW060823.7200A.CTD	8/2/2023 7:09:00 PM	Completed		
	0.25PPBV STD	One	T3	50	0	50	TW060823.7200A.CTD	8/2/2023 7:35:00 PM	Completed		
	0.50PPBV STD	One	T3	50	0	100	TW060823.7200A.CTD	8/2/2023 8:01:47 PM	Completed		
	1.0PPBV STD	One	T3	50	0	200	TW060823.7200A.CTD	8/2/2023 8:30:21 PM	Completed		
	2.0PPBV STD	One	T4	50	0	20	TW060823.7200A.CTD	8/2/2023 8:55:56 PM	Completed		
	5.0PPBV STD	One	T4	50	0	50	TW060823.7200A.CTD	8/2/2023 9:21:47 PM	Completed		
	10.0PPBV STD	One	T4	50	0	100	TW060823.7200A.CTD	8/2/2023 9:48:37 PM	Completed		

Sequence Report

8/3/2023 9:12:29 AM

	20.0PPBV STD	One	T4	50	0	200	TW06082 3.7200A.CTD	8/2/2023 10:17:09 PM	Completed		
	50.0PPBV STD	One	T4	50	0	500	TW06082 3.7200A.CTD	8/2/2023 10:50:53 PM	Completed		
	CLUP	One	T5	50	0	50	TW06082 3.7200A.CTD	8/2/2023 11:16:59 PM	Completed		
	5.0PPBV ICV	One	T5	50	0	50	TW06082 3.7200A.CTD	8/2/2023 11:42:51 PM	Completed		

Response Factor Report SYSL

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : L080223SIM.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Thu Aug 03 11:36:52 2023
Response Via : Initial Calibration

Calibration Files
5 =L23A214004.D 10 =L23A214005.D 20 =L23A214006.D 25 =L23A214007.D 50 =L23A214008.D 100 =L23A214009.D 200 =L23A214010.D 250 =L23A214011.D
500 =L23A214012.D 1.0 =L23A214013.D 2.0 =L23A214014.D 5.0 =L23A214015.D 10.0=L23A214016.D 20.0=L23A214017.D 50.0=L23A214018.D LCS =L23A160001.D

	Compound	5	10	20	25	50	100	200	250	500	1.0	2.0	5.0	10.0	20.0	50.0	LCS	Avg	%RSD
1) I	BROMOCHLOROMETHANE...	----------ISTD----------																	
2)	PROPENE						0.579	0.475	0.416	0.367	0.388	0.372	0.369	0.369	0.369	0.372		0.408	16.95
3)	DICHLORODIFLUO...	1.598	1.933	1.777	1.808	1.790	1.720	1.786	1.739	1.829	1.797	1.767	1.671					1.768	4.69
4)	CHLOROMETHANE	0.768	0.540	0.593	0.566	0.633	0.625	0.609	0.573	0.629	0.605	0.595	0.584					0.610	9.32
5)	FREON 114	1.744	1.908	1.782	1.798	1.789	1.749	1.814	1.725	1.815	1.794	1.774	1.726					1.785	2.80
6)	VINYL CHLORIDE	0.713	0.731	0.802	0.681	0.700	0.661	0.696	0.683	0.727	0.716	0.715	0.703					0.711	4.95
7)	1,3-BUTADIENE		0.528	0.571	0.605	0.574	0.518	0.572	0.529	0.545	0.546	0.540	0.536					0.551	4.72
8)	BROMOMETHANE		0.735	0.616	0.632	0.594	0.608	0.658	0.617	0.627	0.621	0.612	0.620					0.631	6.02
9)	CHLOROETHANE		0.499	0.562	0.422	0.408	0.382	0.401	0.359	0.376	0.376	0.368	0.374					0.412	15.37
10)	ACROLEIN						0.389	0.370	0.309	0.326	0.314	0.286	0.291	0.300	0.295	0.294		0.317	11.02
11)	ACETONE									1.245	1.322	1.066	1.078	1.067	1.044	1.035		1.122	10.10
12)	TRICHLOROFLUOR...	2.054	1.718	1.756	1.924	1.737	1.728	1.840	1.755	1.842	1.840	1.804	1.802					1.817	5.29
13)	ETHANOL									0.171	0.198	0.167	0.171	0.174	0.166	0.167		0.173	6.51
14)	1,1-DICHLOROET...	1.071	1.203	1.103	1.128	1.107	1.096	1.162	1.095	1.149	1.146	1.144	1.122					1.127	3.19
15)	METHYLENE CHLO...		0.944	0.964	0.845	0.907	0.880	0.832	0.836	0.859	0.856	0.835	0.831					0.872	5.38
16)	FREON 113	1.416	1.373	1.485	1.488	1.377	1.431	1.480	1.374	1.448	1.475	1.435	1.457					1.437	3.02
17)	CARBON DISULFIDE	2.438	2.294	1.939	2.128	1.959	1.921	2.085	1.911	2.031	2.029	2.023	2.006					2.064	7.66
18)	TRANS-1,2-DICH...	1.279	0.999	1.117	1.176	1.091	1.134	1.132	1.087	1.142	1.132	1.127	1.123					1.128	5.69
19)	1,1-DICHLOROET...	1.412	1.558	1.329	1.390	1.437	1.344	1.391	1.344	1.381	1.393	1.373	1.362					1.393	4.32
20)	MTBE	2.378	2.347	2.143	2.068	2.173	2.072	2.115	2.038	2.105	2.081	2.038	2.014					2.131	5.50
21)	IPA									1.226	1.184	1.153	1.219	1.192	1.149	1.142		1.181	2.87
22)	2-BUTANONE(MEK)	2.124	1.613	1.328	1.354	1.299	1.243	1.248	1.211	1.269	1.303	1.277	1.310					1.382	18.48
23)	CIS-1,2-DICHLO...	0.869	0.912	0.825	0.963	0.944	0.862	0.914	0.870	0.923	0.940	0.933	0.953					0.909	4.71
24)	VINYL ACETATE					1.630	1.562	1.338	1.524	1.453	1.446	1.320	1.374	1.524				1.464	7.24
25)	HEXANE		0.701	0.752	0.792	0.778	0.755	0.723	0.706	0.728	0.748	0.747	0.757					0.744	3.75
26)	ETHYL ACETATE		0.344	0.213	0.252	0.232	0.234	0.230	0.198	0.222	0.230	0.230	0.243					0.239	15.77
27)	CHLOROFORM	1.447	1.310	1.485	1.452	1.443	1.357	1.478	1.382	1.471	1.472	1.478	1.497					1.439	4.06
28)	TETRAHYDROFURAN		1.046	0.908	0.875	0.946	0.931	0.866	0.906	0.874	0.886	0.883	0.901					0.911	5.60
29)	1,2-DICHLOROET...	1.084	0.840	0.950	1.006	0.975	0.995	1.001	0.921	0.983	0.986	0.984	1.003					0.977	5.92
30) I	1,4-DIFLUOROBENZEN...	----------ISTD----------																	
31)	1,1,1-TRICHLOR...	0.503	0.557	0.529	0.482	0.504	0.501	0.502	0.486	0.508	0.505	0.508	0.506					0.508	3.82
32)	BENZENE	0.841	0.740	0.735	0.744	0.735	0.703	0.691	0.674	0.712	0.712	0.718	0.702					0.725	5.78
33)	CARBON TETRACH...	0.455	0.489	0.551	0.530	0.506	0.519	0.523	0.492	0.521	0.505	0.522	0.520					0.511	4.75
34)	CYCLOHEXANE	0.410	0.255	0.334	0.305	0.287	0.265	0.285	0.283	0.296	0.300	0.308	0.310					0.303	13.07
35)	1,2-DICHLOROPR...	0.244	0.288	0.256	0.258	0.263	0.259	0.251	0.253	0.263	0.257	0.263	0.268					0.260	4.15
36)	BROMODICHLOROM...	0.532	0.538	0.545	0.583	0.559	0.570	0.566	0.539	0.572	0.556	0.563	0.558					0.557	2.81
37)	TRICHLOROETHENE	0.369	0.379	0.334	0.334	0.332	0.336	0.326	0.310	0.327	0.322	0.327	0.332					0.336	5.73
38)	1,4-DIOXANE						0.201	0.217	0.169	0.166	0.162	0.171	0.174	0.164	0.159	0.160		0.174	10.99

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : L080223SIM.M
Title : QUANT METHOD FOR TO-14/TO-15

39)		METHYLMETHACRY...				0.294	0.247	0.246	0.253	0.229	0.235	0.236	0.249	0.252	0.265	0.277	0.253	7.64
40)		HEPTANE			0.281	0.245	0.215	0.243	0.200	0.232	0.207	0.210	0.222	0.226	0.232	0.231	0.229	9.50
41)		MIBK				0.272	0.246	0.220	0.252	0.228	0.235	0.236	0.245	0.238	0.242	0.242	0.241	5.57
42)		CIS-1,3-DICHLO...			0.443	0.378	0.385	0.379	0.397	0.373	0.393	0.368	0.398	0.400	0.412	0.428	0.396	5.69
43)		TRANS-1,3-DICH...			0.374	0.382	0.315	0.338	0.315	0.345	0.334	0.328	0.355	0.363	0.377	0.401	0.352	7.83
44)	I	CHLOROBENZENE-D5 (1)	----------ISTD----------															
45)		1,1,2-TRICHLOR...			0.234	0.388	0.316	0.309	0.285	0.291	0.310	0.307	0.317	0.316	0.322	0.321	0.310	11.19
46)		TOLUENE			1.103	0.915	0.940	0.981	0.913	0.914	0.898	0.860	0.931	0.925	0.957	0.926	0.939	6.37
47)		2-HEXANONE(MBK)				0.569	0.584	0.588	0.610	0.581	0.593	0.580	0.620	0.618	0.630	0.619	0.599	3.45
48)		DIBROMOCHLOROM...			0.554	0.605	0.586	0.565	0.558	0.536	0.554	0.520	0.568	0.563	0.579	0.585	0.564	4.10
49)		1,2-DIBROMOETHANE				0.684	0.540	0.536	0.484	0.472	0.475	0.444	0.475	0.479	0.494	0.501	0.508	12.75
50)		TETRACHLOROETHENE			0.435	0.383	0.439	0.385	0.441	0.416	0.424	0.401	0.419	0.411	0.426	0.429	0.417	4.65
51)		CHLOROBENZENE			0.763	0.747	0.723	0.709	0.774	0.703	0.701	0.671	0.718	0.710	0.722	0.723	0.722	3.91
52)		ETHYLBENZENE			1.189	1.091	1.120	1.222	1.168	1.084	1.166	1.140	1.221	1.230	1.270	1.221	1.177	5.01
53)		M/P-XYLENE			0.936	0.920	0.959	0.945	0.916	0.935	0.970	0.944	1.024	1.040	1.060	1.004	0.971	5.04
54)		BROMOFORM			0.517	0.474	0.478	0.496	0.457	0.465	0.475	0.448	0.491	0.505	0.538	0.566	0.493	7.02
55)		STYRENE			0.689	0.586	0.600	0.634	0.612	0.617	0.671	0.650	0.712	0.721	0.756	0.770	0.668	9.25
56)		O-XYLENE			0.865	0.728	0.828	1.336	0.923	0.918	0.933	0.896	1.006	0.994	1.025	1.008	0.955	15.45
57)		1,1,2,2-TETRAC...			0.608	0.647	0.680	0.663	0.681	0.689	0.681	0.658	0.711	0.713	0.737	0.740	0.684	5.55
58)	S	4-BROMOFLUOROB...	0.513	0.536	0.538	0.542	0.539	0.535	0.548	0.545	0.550	0.556	0.563	0.572	0.561	0.579	0.581	0.551	3.39
59)		4-ETHYLTOLUENE				1.240	1.119	1.126	1.212	1.195	1.168	1.200	1.193	1.335	1.388	1.417	1.370	1.247	8.30
60)		1,3,5-TRIMETHY...				1.045	0.889	0.977	1.076	1.009	0.986	1.026	1.022	1.131	1.161	1.184	1.160	1.055	8.47
61)		1,2,4-TRIMETHY...				0.985	0.840	0.906	0.956	0.971	0.951	1.013	1.005	1.123	1.146	1.186	1.173	1.021	10.89
62)		1,3-DICHLOROBE...				0.594	0.515	0.481	0.550	0.566	0.560	0.664	0.605	0.727	0.721	0.758	0.780	0.627	15.97
63)		BENZYL CHLORIDE					0.529	0.530	0.517	0.499	0.545	0.596	0.589	0.706	0.779	0.909	0.973	0.652	25.59
64)		1,4-DICHLOROBE...				0.536	0.468	0.423	0.563	0.474	0.515	0.594	0.528	0.661	0.704	0.733	0.763	0.580	19.21
65)		1,2-DICHLOROBE...				0.596	0.619	0.605	0.564	0.556	0.586	0.612	0.572	0.649	0.683	0.707	0.735	0.623	9.31
66)		1,2,4-TRICHLOR...					0.218	0.334	0.306	0.268	0.290	0.331	0.351	0.418	0.457	0.507	0.582	0.369	29.76
67)		NAPHTHALENE				0.842	0.683	0.985	0.798	0.760	0.772	0.875	0.898	1.081	1.171	1.271	1.321	0.955	22.11
68)		HEXACHLOROBUTA...				0.454	0.434	0.424	0.472	0.467	0.457	0.465	0.457	0.490	0.499	0.521	0.566	0.476	8.16
69)	I	BROMOCHLOROMETHANE...	----------ISTD----------															
70)		VINYL CHLORIDE...			0.674	0.654	0.665	0.657	0.666	0.695	0.671	0.662	0.675	0.652	0.684	0.674	0.682	0.664	0.670	1.82
71)		1,1-DICHLOROET...	1.174	1.157	1.039	1.113	1.102	1.109	1.149	1.133	1.104	1.130	1.090	1.141	1.130	1.151	1.110	1.122	2.93
72)		TRANS-1,2-DICH...	1.134	1.141	1.146	1.132	1.104	1.094	1.134	1.117	1.091	1.109	1.060	1.121	1.110	1.123	1.094	1.114	2.07
73)		1,1-DICHLOROET...	1.579	1.336	1.379	1.359	1.323	1.351	1.390	1.350	1.334	1.351	1.308	1.367	1.351	1.363	1.330	1.365	4.62
74)		CIS-1,2-DICHLO...	0.890	0.925	0.912	0.940	0.882	0.919	0.927	0.905	0.898	0.913	0.876	0.933	0.927	0.949	0.947	0.916	2.45
75)		CHLOROFORM (SIM)	1.261	1.438	1.403	1.463	1.404	1.400	1.442	1.406	1.389	1.424	1.365	1.442	1.434	1.466	1.449	1.412	3.59
76)		1,2-DICHLOROET...	0.960	1.018	0.917	0.956	0.923	0.907	0.935	0.922	0.913	0.923	0.884	0.939	0.930	0.944	0.944	0.934	3.23
77)	I	1,4-DIFLUOROBENZEN...	----------ISTD----------															
78)		CARBON TETRACH...	0.512	0.543	0.526	0.539	0.527	0.535	0.545	0.543	0.530	0.538	0.518	0.538	0.533	0.538	0.530	0.533	1.77
79)		1,2-DICHLOROPR...	0.231	0.266	0.269	0.253	0.265	0.262	0.263	0.262	0.256	0.261	0.250	0.263	0.257	0.264	0.264	0.259	3.58
80)		BROMODICHLOROM...	0.583	0.583	0.564	0.575	0.566	0.575	0.584	0.576	0.568	0.581	0.554	0.581	0.578	0.582	0.567	0.574	1.54
81)		TRICHLOROETHEN...	0.345	0.340	0.327	0.351	0.331	0.327	0.344	0.340	0.333	0.339	0.319	0.336	0.334	0.339	0.341	0.336	2.42
82)		CIS-1,3-DICHLO...	0.441	0.438	0.375	0.417	0.387	0.380	0.392	0.391	0.381	0.393	0.370	0.401	0.403	0.420	0.425	0.401	5.58
83)		TRANS-1,3-DICH...	0.505	0.467	0.384	0.389	0.344	0.337	0.349	0.345	0.346	0.349	0.321	0.359	0.365	0.384	0.398	0.376	13.29

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : L080223SIM.M
Title : QUANT METHOD FOR TO-14/TO-15

84) I	CHLOROBENZENE-D5 (...	----------ISTD----------																	
85)	1,1,2-TRICHLOR...	0.325	0.325	0.324	0.320	0.302	0.299	0.317	0.307	0.300	0.310	0.293	0.314	0.310	0.316	0.312		0.312	3.22
86)	1,1,2,2-TETRAC...	0.730	0.702	0.659	0.682	0.657	0.653	0.677	0.665	0.651	0.673	0.635	0.695	0.695	0.711	0.704		0.679	3.91
87) S	4-BROMOFLUOROB...	0.481	0.499	0.506	0.503	0.508	0.506	0.506	0.508	0.510	0.515	0.517	0.525	0.526	0.530	0.541		0.512	2.81

(#) = Out of Range

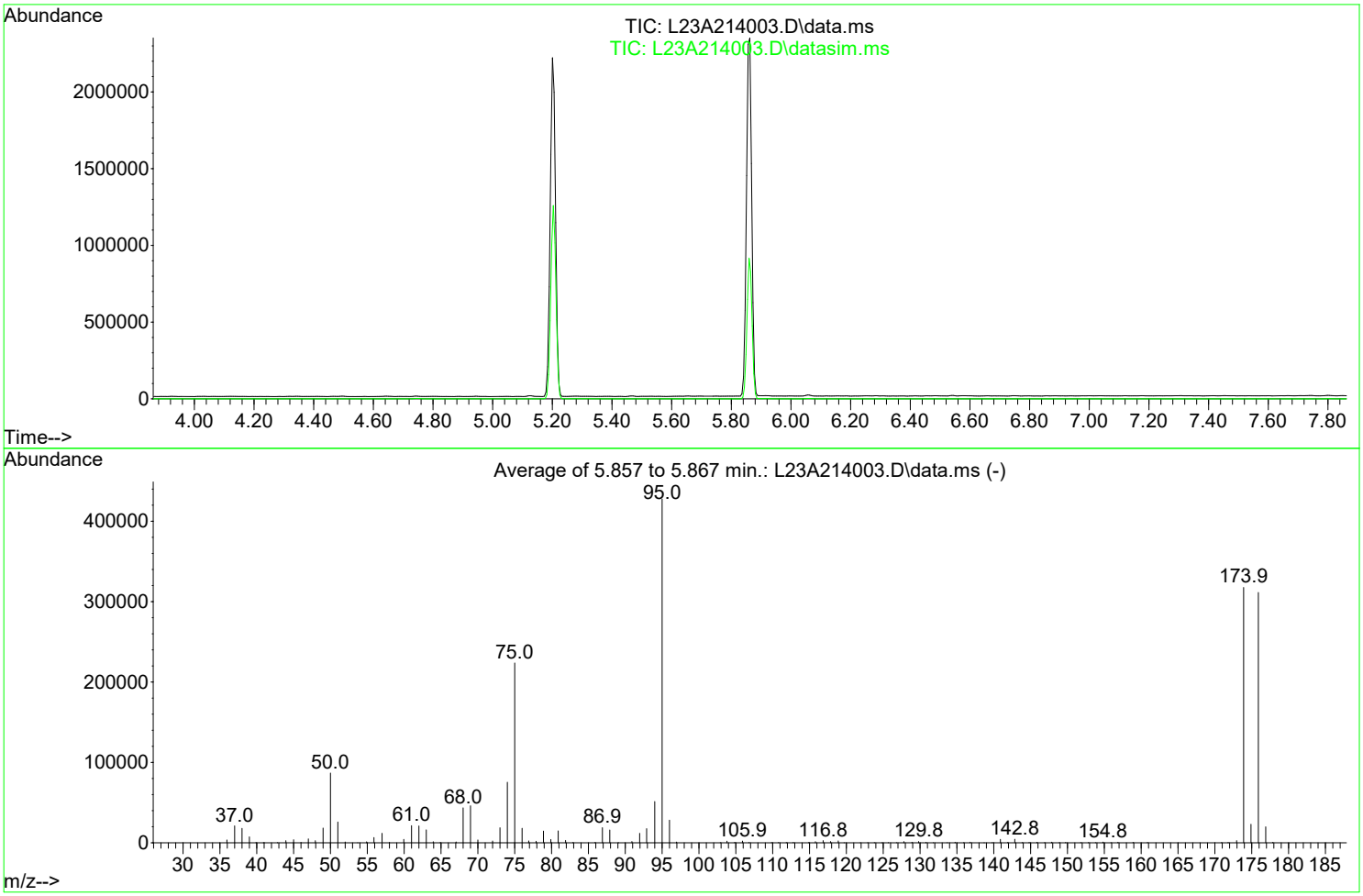
BFB

Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214003.D
Acq On : 02 Aug 2023 04:08 pm
Operator : CMR
Sample : BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

440

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
DataAcq Meth:TOSIMSCAN-TW1.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Mon Jul 03 14:39:10 2023



AutoFind: Scans 790, 791, 792; Background Corrected with Scan 782

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.3	86813	PASS
75	95	30	66	52.3	223701	PASS
95	95	100	100	100.0	427584	PASS
96	95	5	9	6.6	28219	PASS
173	174	0.00	2	0.9	2730	PASS
174	95	50	120	74.3	317632	PASS
175	174	4	9	7.3	23083	PASS
176	174	93	101	98.0	311424	PASS
177	176	5	9	6.4	19906	PASS

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214004.D Vial: 2
Acq On : 02 Aug 2023 04:32 pm Operator: CMR
Sample : 0.005PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:22 2023

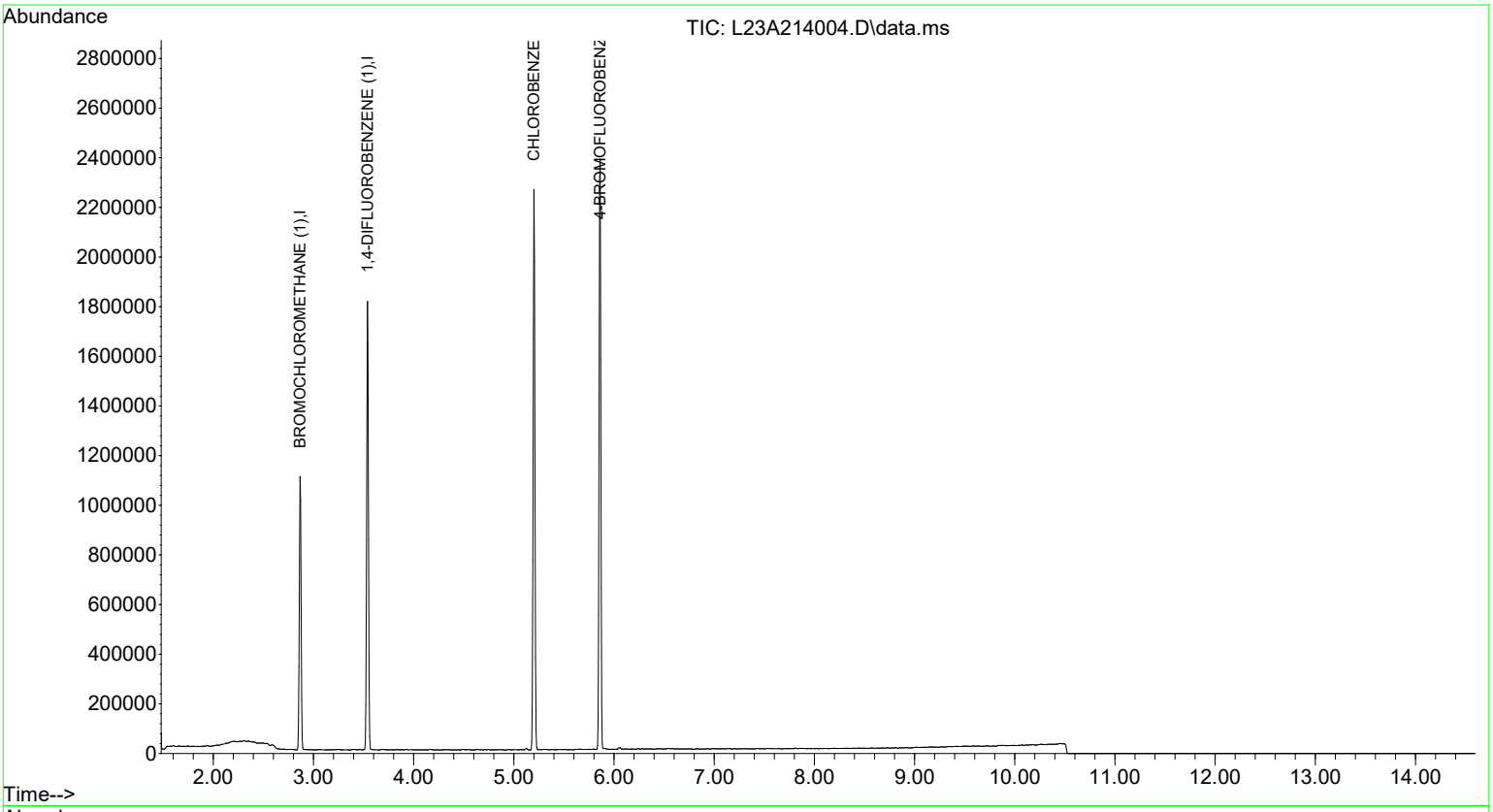
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214004.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

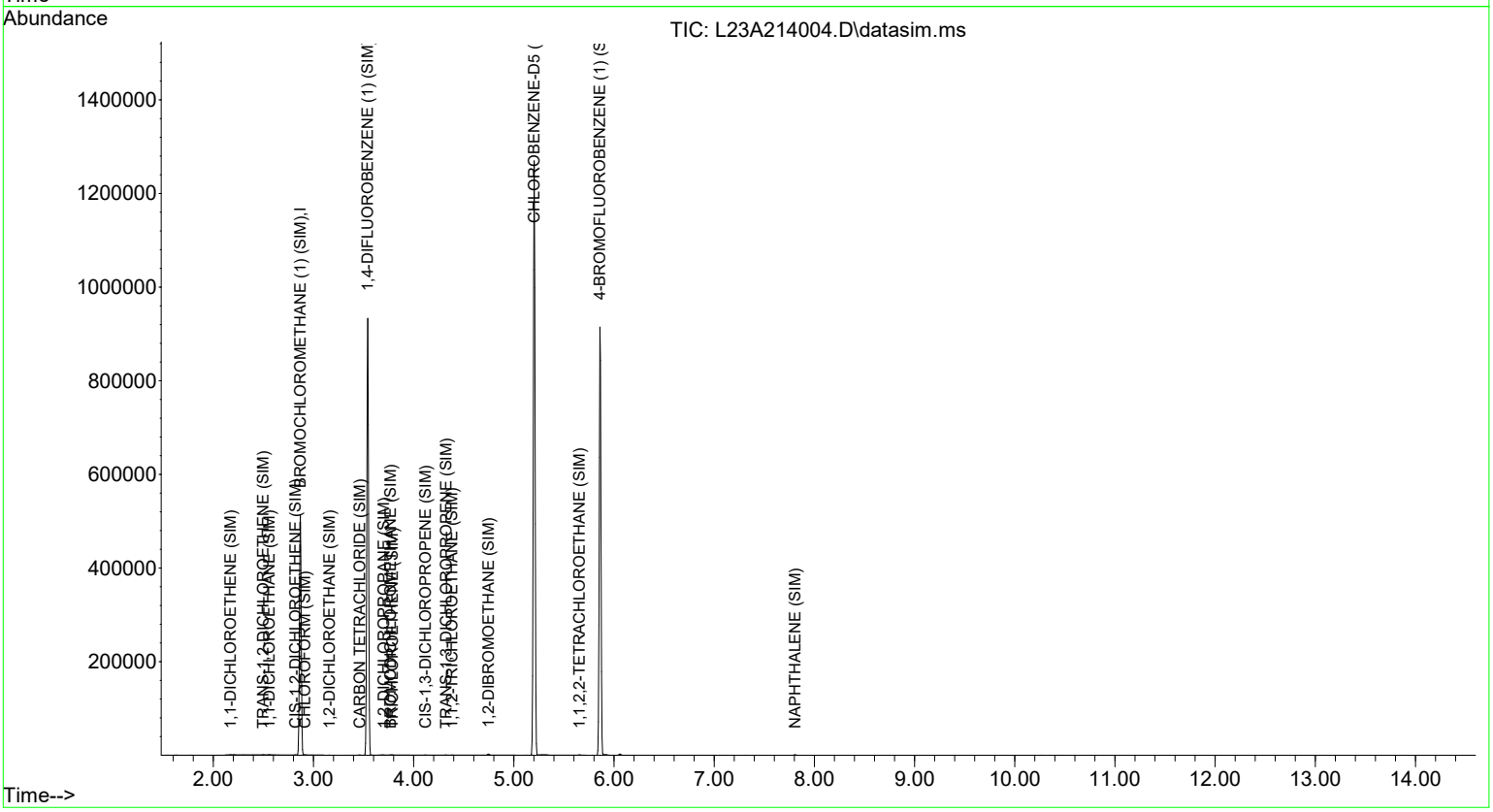
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	328776	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	914445	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	858456	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	366745	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	969258	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	949208	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	440153	7.606	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.13%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	457029	7.541	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.25%			
Target Compounds						Qvalue
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	269	0.006	PPBV	90
72] TRANS-1,2-DICHLOROETHE...	2.500	61	260	0.006	PPBV	94
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	362	0.006	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.820	61	204	0.005	PPBV	99
75] CHLOROFORM (SIM)	2.913	83	289	0.005	PPBV	98
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	220	0.006	PPBV #	48
78] CARBON TETRACHLORIDE (...	3.461	117	310	0.005	PPBV	99
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	140	0.005	PPBV #	73
80] BROMODICHLOROMETHANE (...	3.769	83	353	0.006	PPBV	97
81] TRICHLOROETHENE (SIM)	3.790	95	209	0.006	PPBV	95
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	267	0.006	PPBV #	55
83] TRANS-1,3-DICHLOROPROP...	4.323	75	306	0.008	PPBV #	54
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	193	0.006	PPBV	98
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	1400	0.024	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	433	0.006	PPBV	98
89] NAPHTHALENE (SIM)	7.808	128	1040	0.020	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214004.D Vial: 2
Acq On : 02 Aug 2023 04:32 pm Operator: CMR
Sample : 0.005PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:22 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214004.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

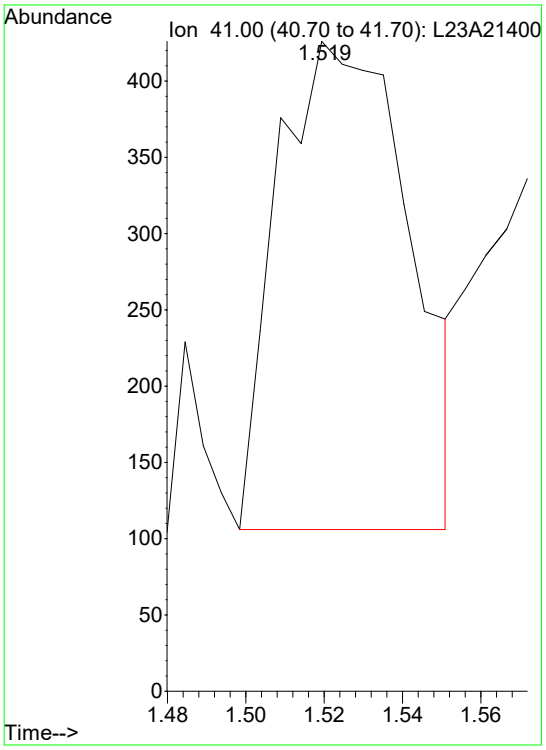




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

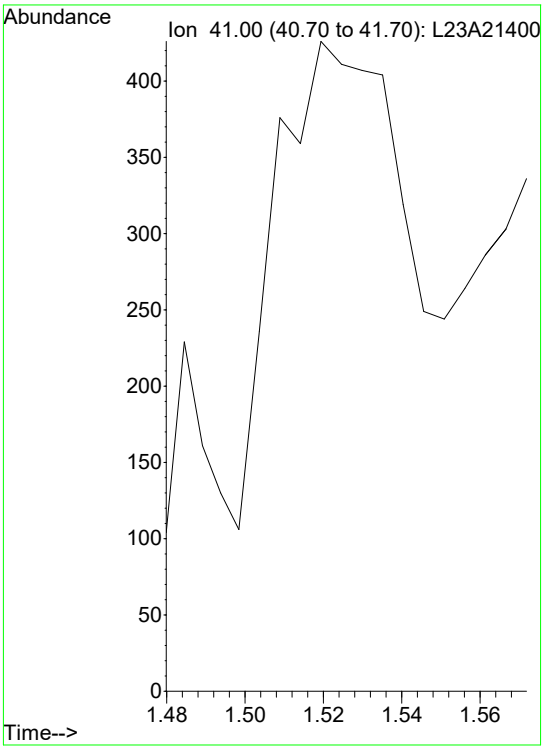
RT : 1.52
Area : 746
Amount: 0.0466118

Manual Int. Results

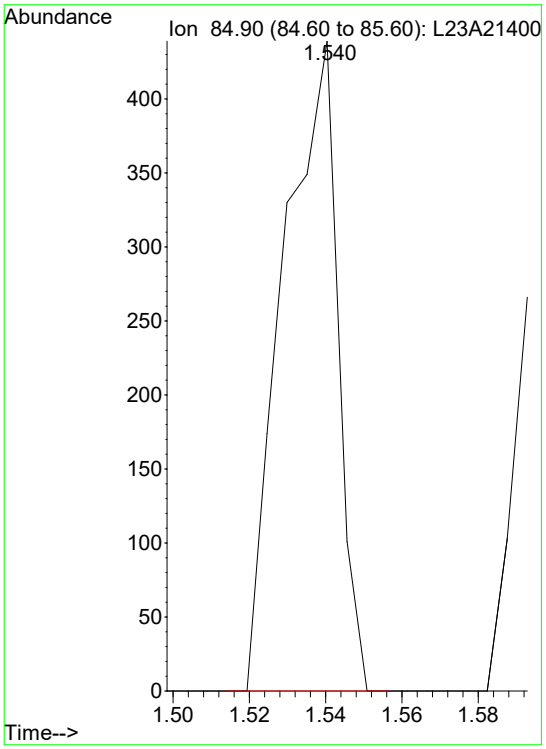
Thu Aug 03 10:53:25 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

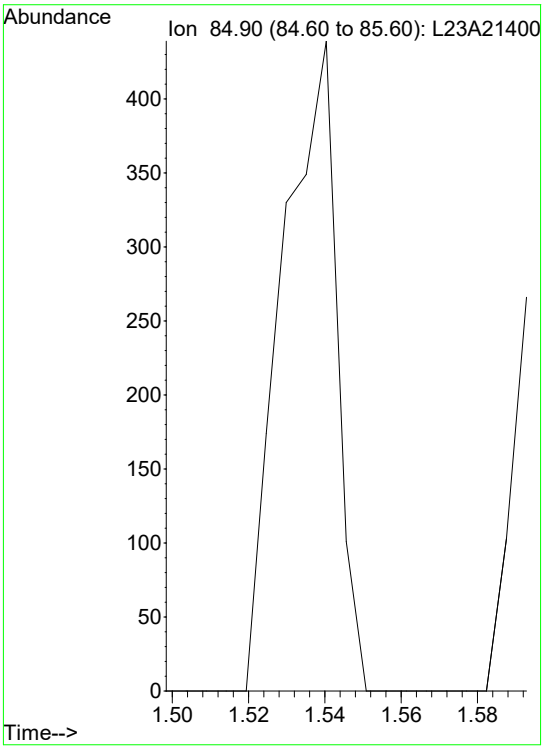
RT : 1.54
Area : 438
Amount: 0.00659698

Manual Int. Results

Thu Aug 03 10:53:23 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

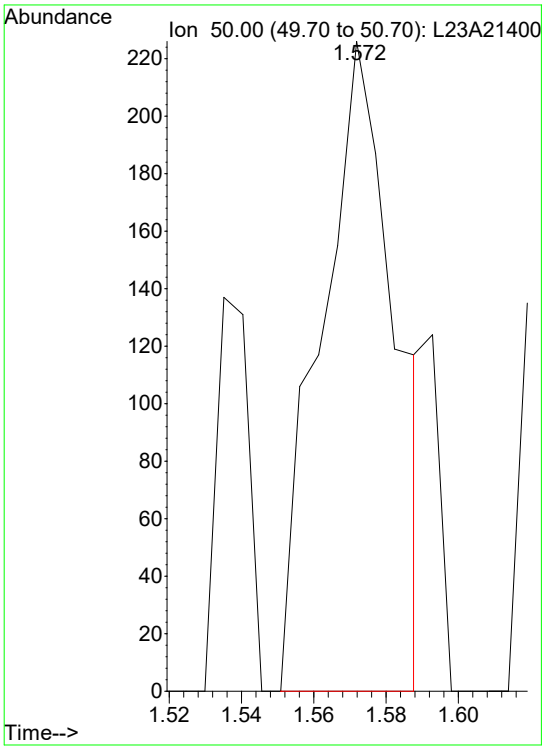
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROMETHANE



Original Int. Results

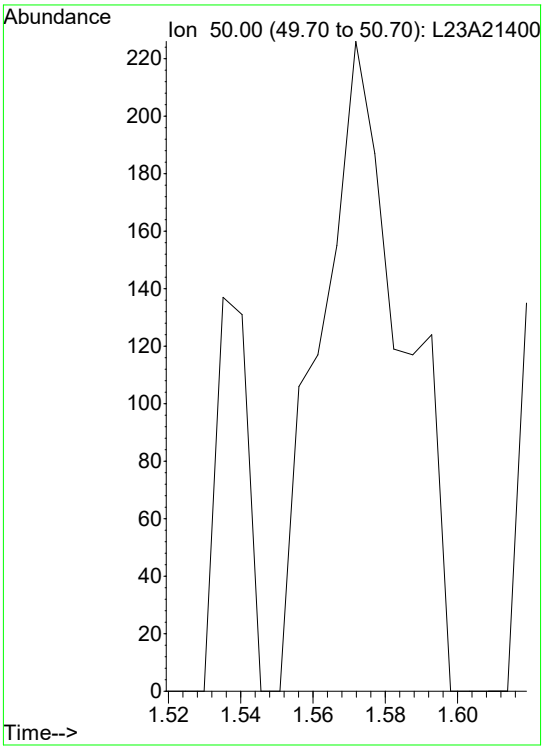
RT : 1.57
Area : 324
Amount: 0.0129308

Manual Int. Results

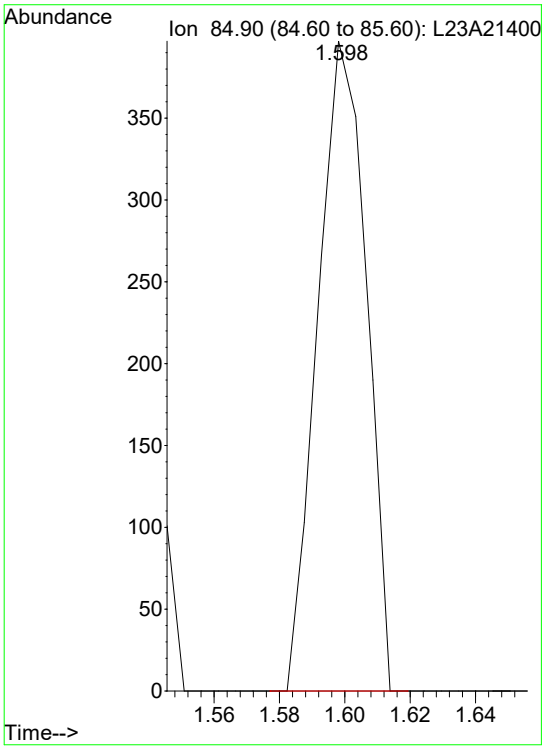
Thu Aug 03 10:53:22 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

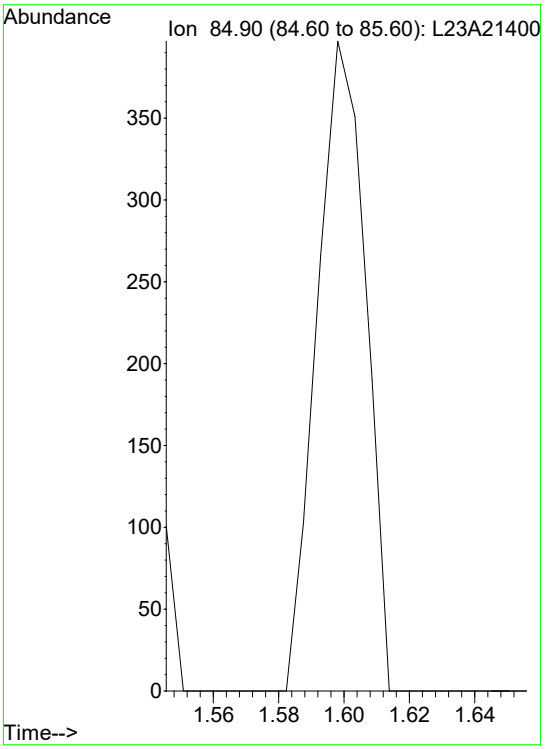
RT : 1.60
Area : 412
Amount: 0.00616826

Manual Int. Results

Thu Aug 03 10:53:20 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

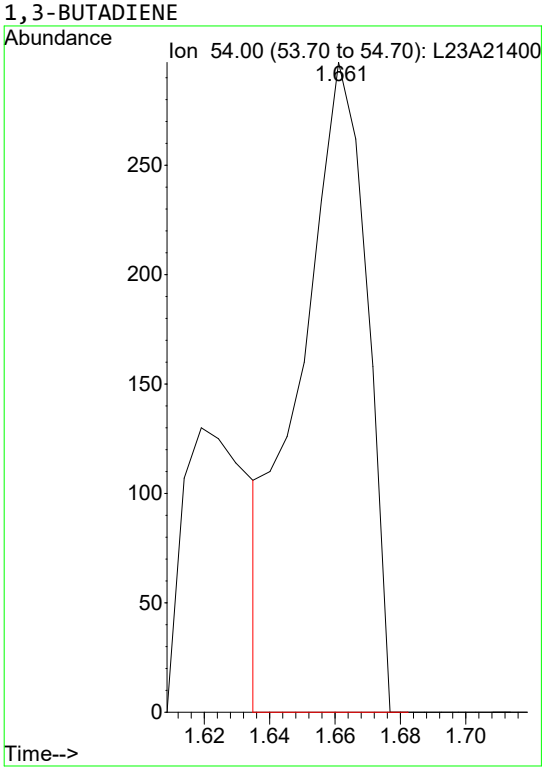
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-BUTADIENE



Original Int. Results

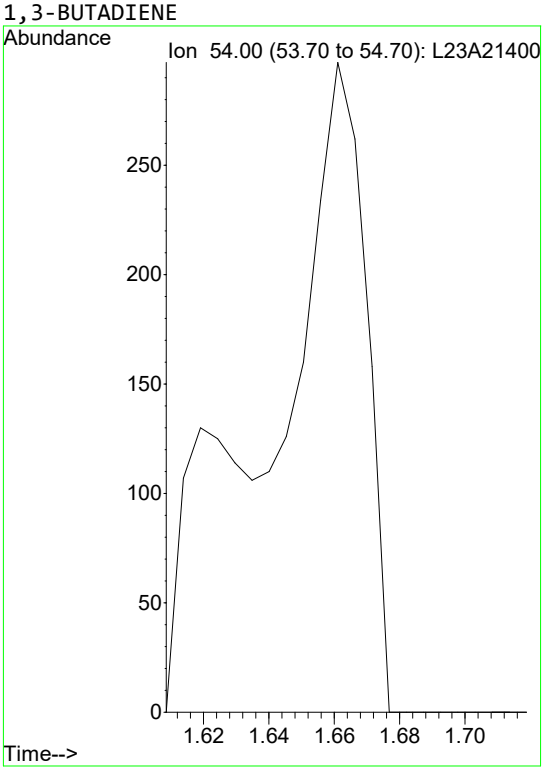
RT : 1.66
Area : 424
Amount: 0.0205392

Manual Int. Results

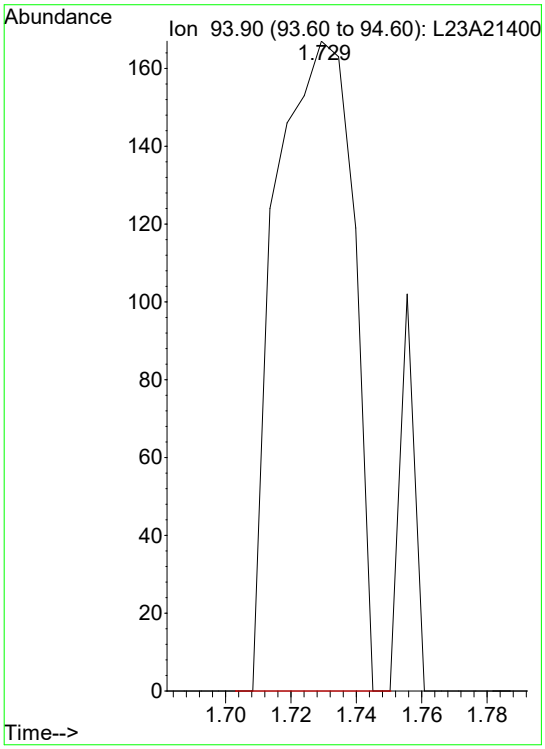
Thu Aug 03 10:53:18 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-BUTADIENE



Original Integration
BROMOMETHANE



Original Int. Results

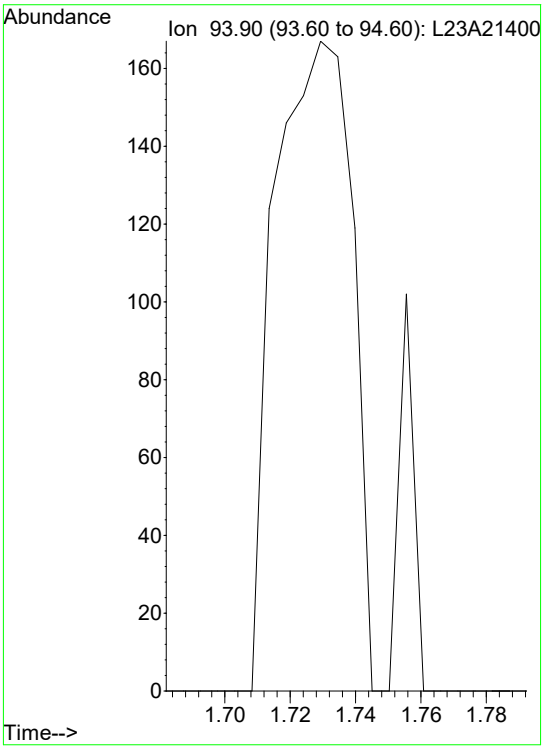
RT : 1.73
Area : 275
Amount: 0.0115439

Manual Int. Results

Thu Aug 03 10:53:17 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

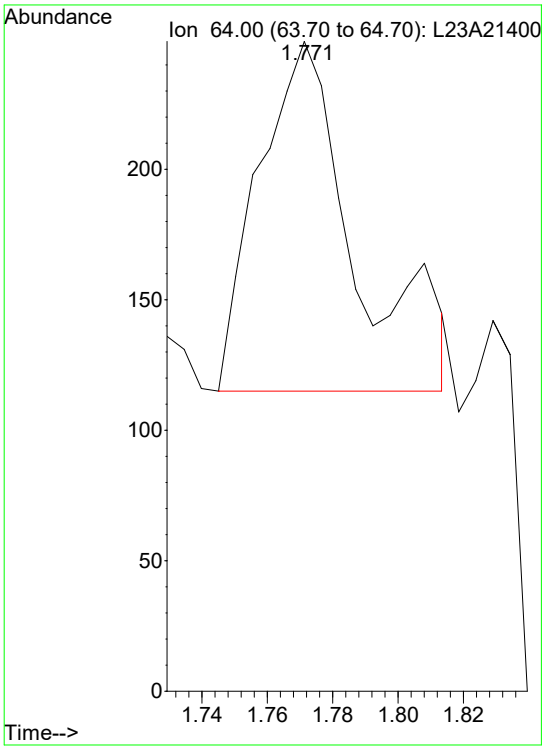
Manual Integration
BROMOMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROETHANE



Original Int. Results

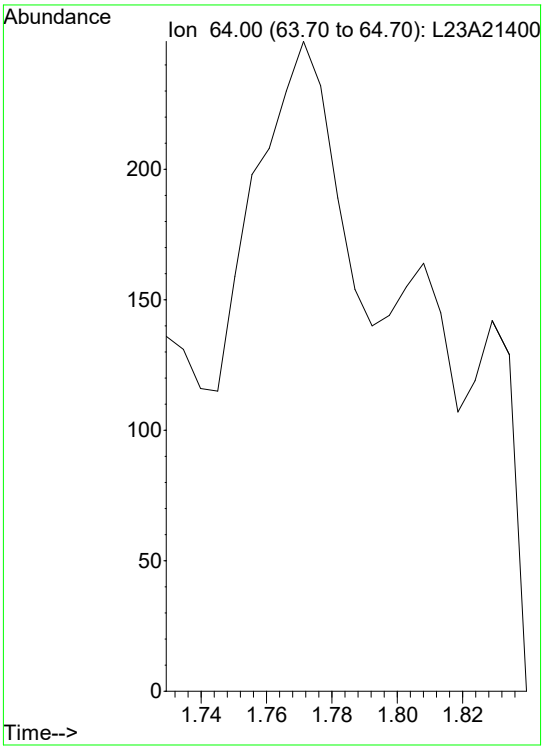
RT : 1.77
Area : 275
Amount: 0.0181838

Manual Int. Results

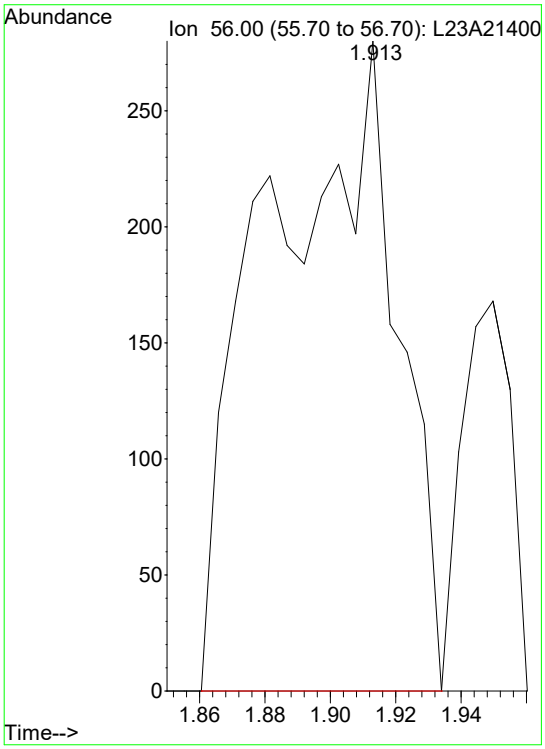
Thu Aug 03 10:53:15 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

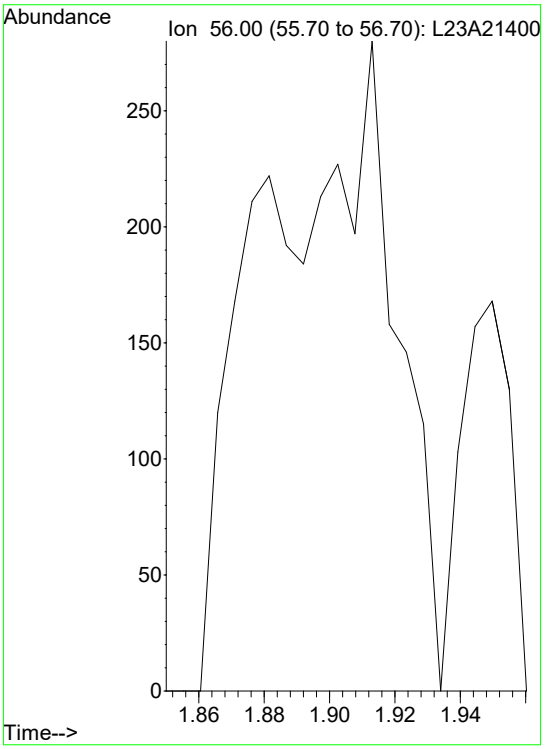
RT : 1.91
Area : 766
Amount: 0.0604249

Manual Int. Results

Thu Aug 03 10:53:14 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

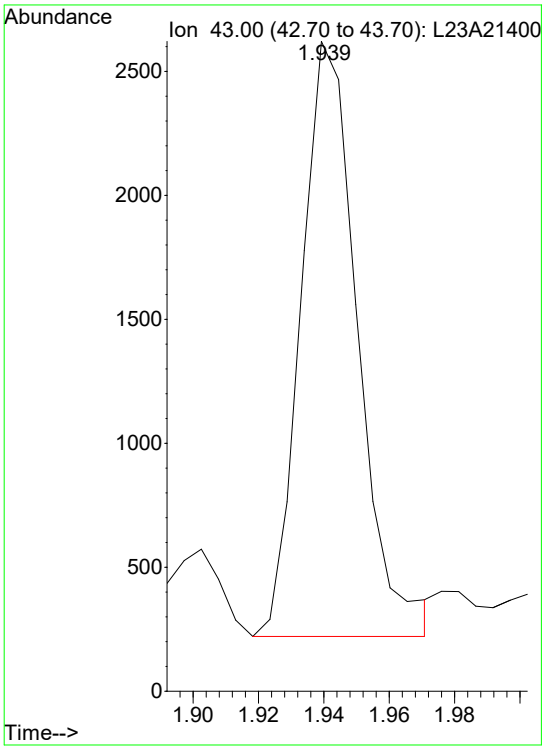
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ACETONE



Original Int. Results

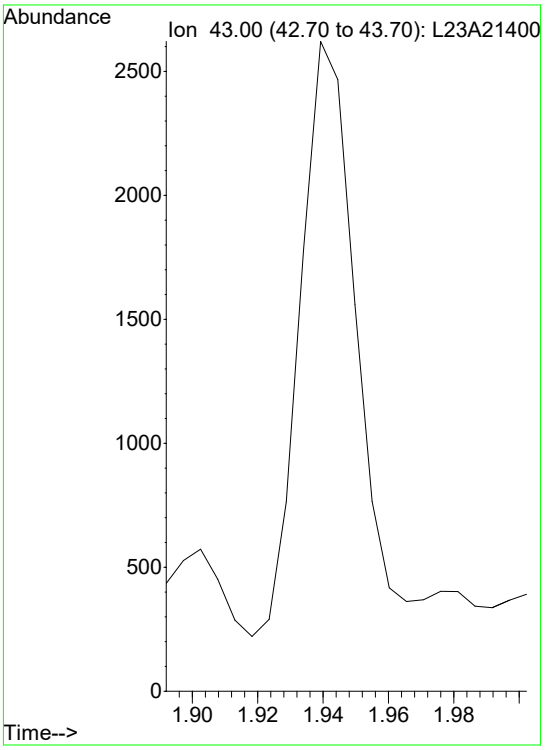
RT : 1.94
Area : 2893
Amount: 0.0613382

Manual Int. Results

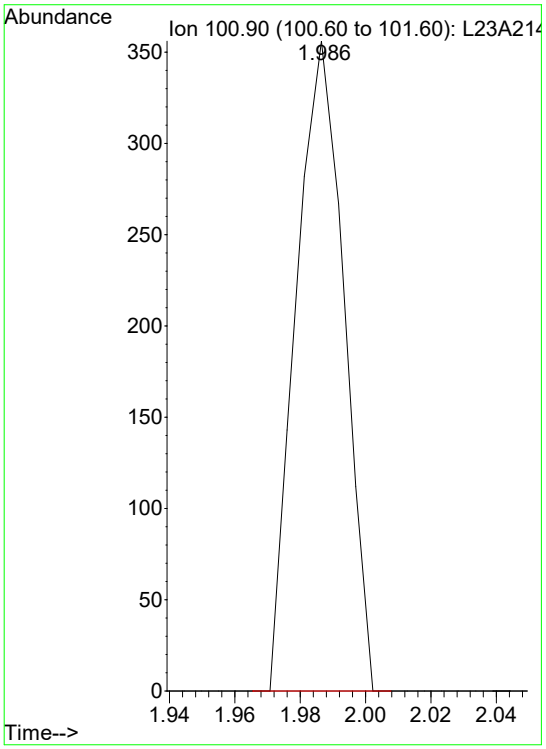
Thu Aug 03 10:53:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE



Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

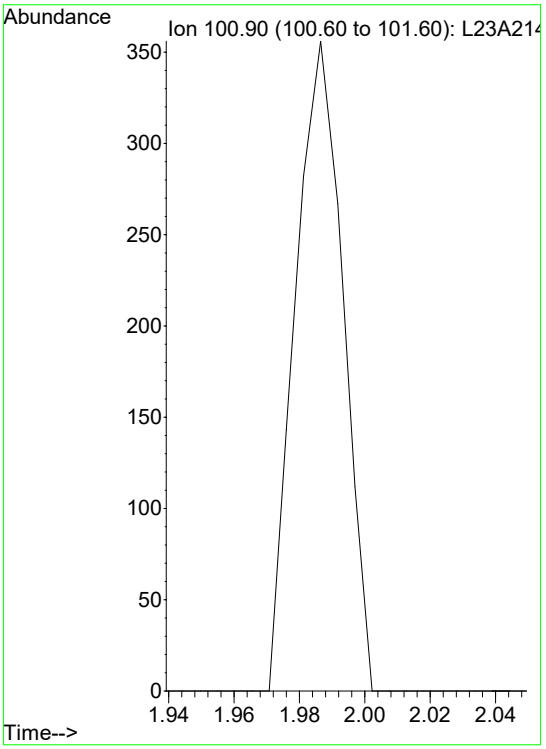
RT : 1.99
Area : 365
Amount: 0.00532496

Manual Int. Results

Thu Aug 03 10:53:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

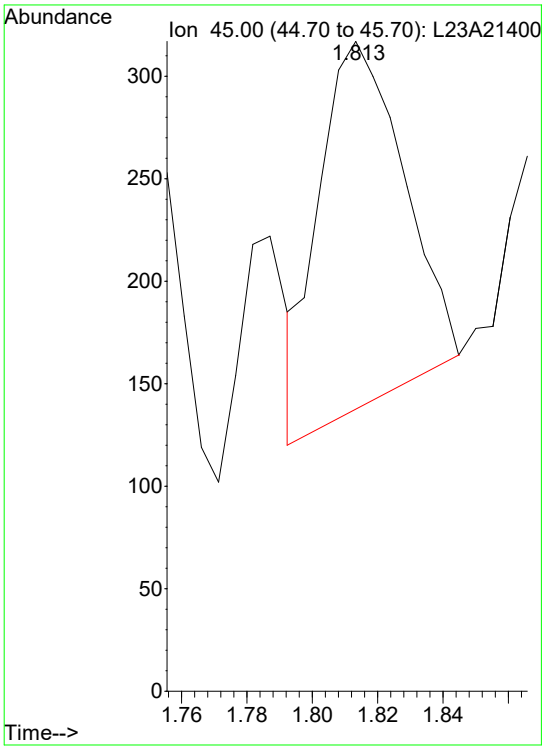
Manual Integration
TRICHLOROFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHANOL



Original Int. Results

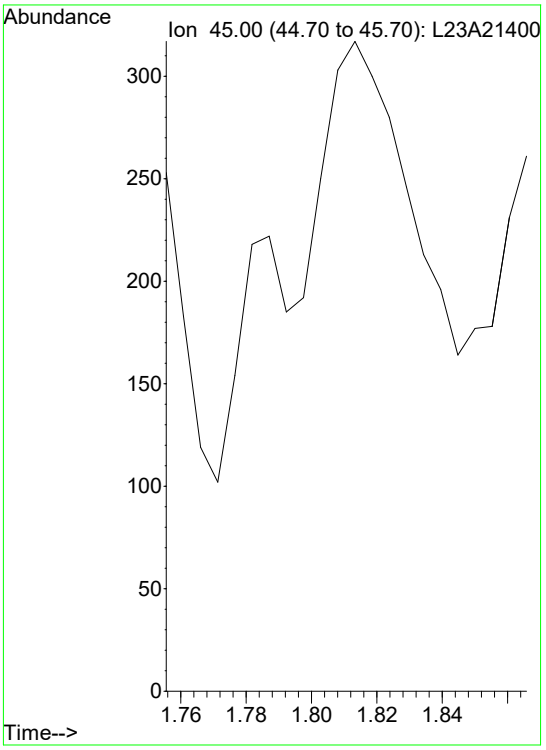
RT : 1.81
Area : 328
Amount: 0.0362339

Manual Int. Results

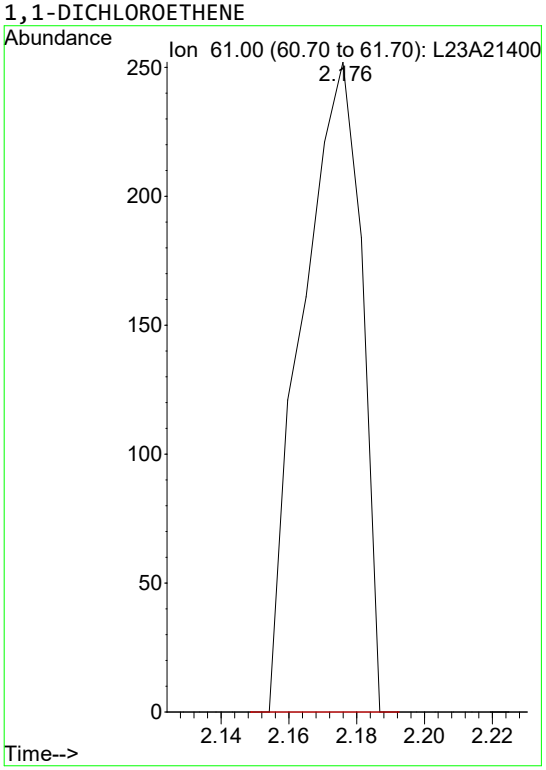
Thu Aug 03 10:53:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
1,1-DICHLOROETHENE



Original Int. Results

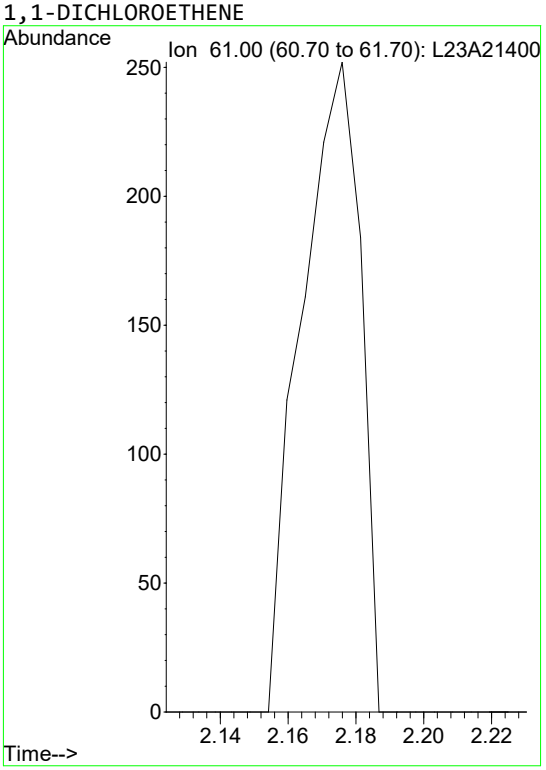
RT : 2.18
Area : 306
Amount: 0.00676186

Manual Int. Results

Thu Aug 03 10:53:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

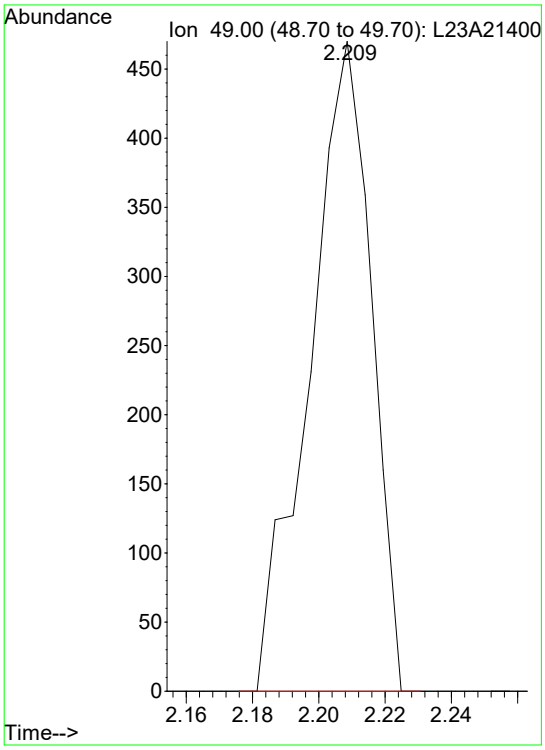
Manual Integration
1,1-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
METHYLENE CHLORIDE



Original Int. Results

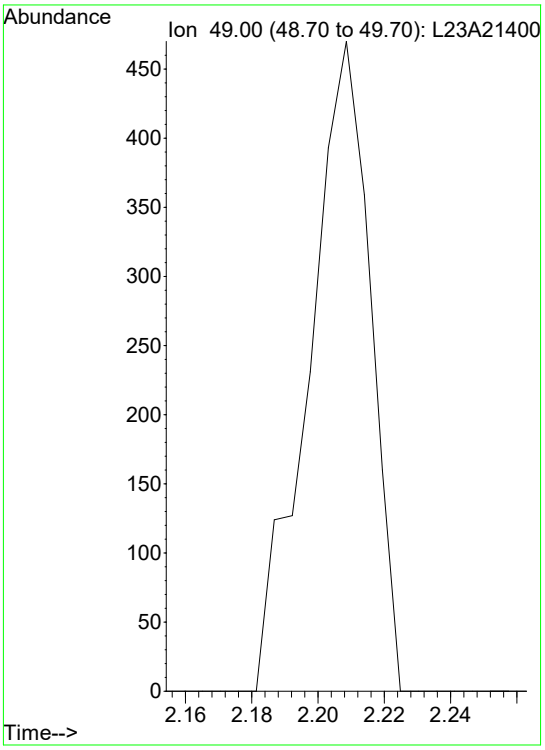
RT : 2.21
Area : 608
Amount: 0.0185382

Manual Int. Results

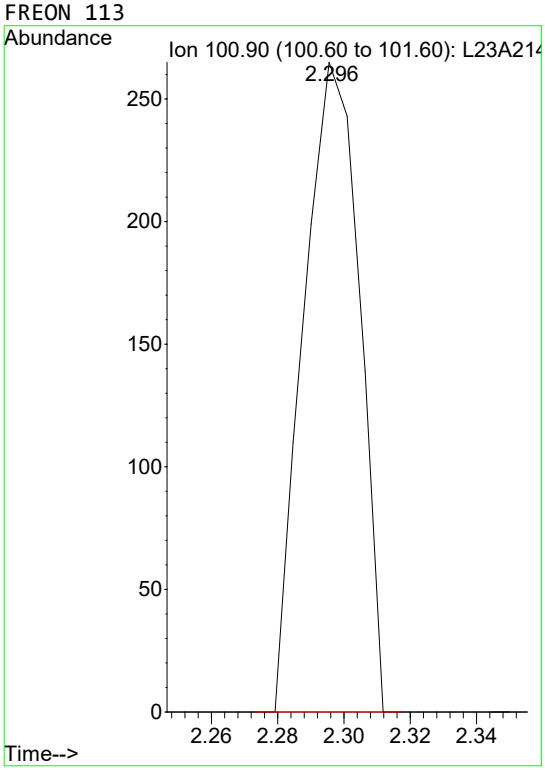
Thu Aug 03 10:53:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYLENE CHLORIDE



Original Integration
FREON 113



Original Int. Results

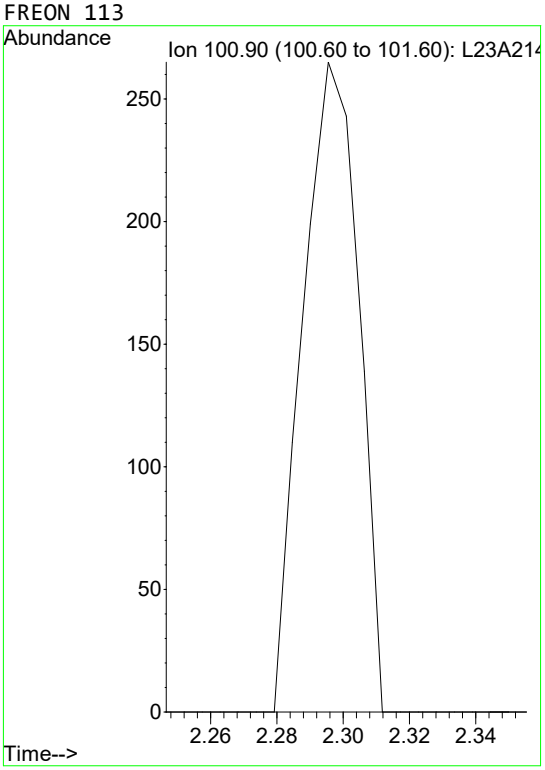
RT : 2.30
Area : 312
Amount: 0.00566509

Manual Int. Results

Thu Aug 03 10:53:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

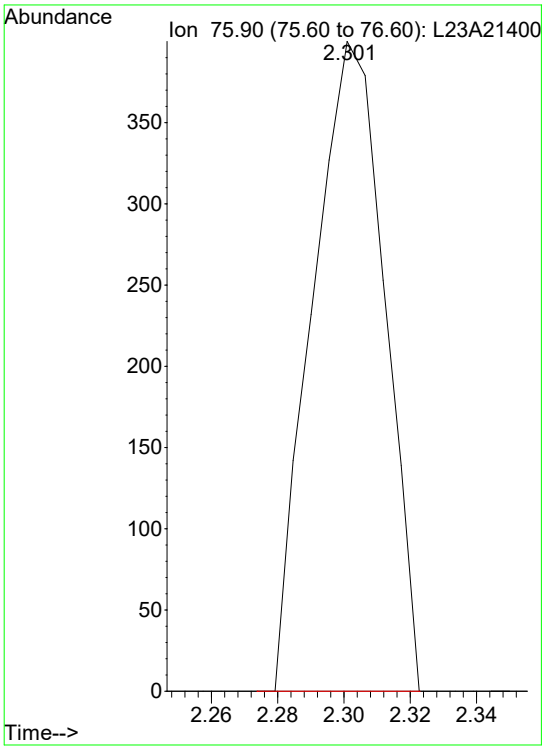
Manual Integration
FREON 113



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CARBON DISULFIDE



Original Int. Results

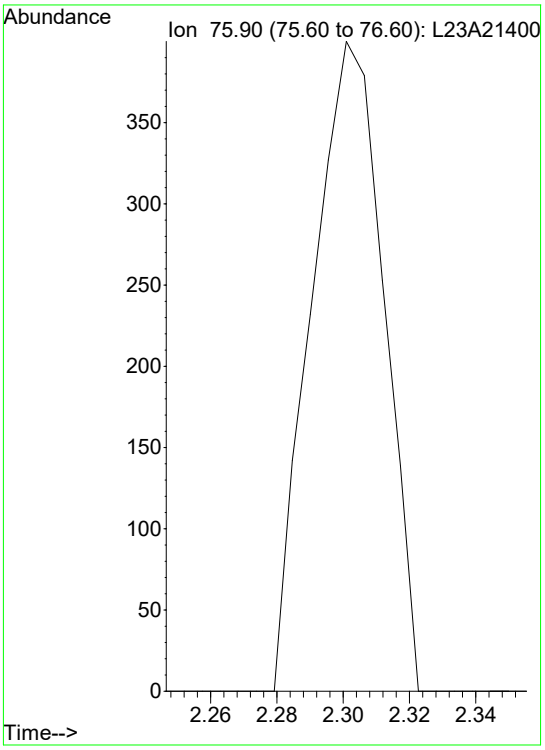
RT : 2.30
Area : 611
Amount: 0.00766065

Manual Int. Results

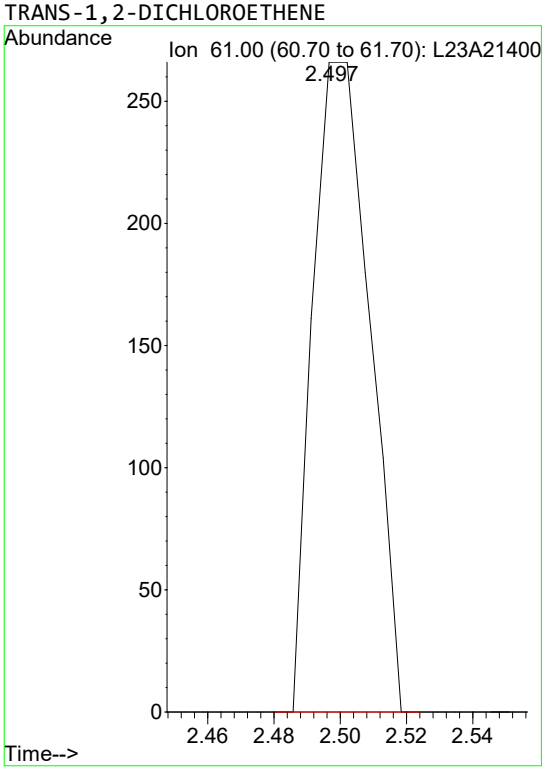
Thu Aug 03 10:53:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
TRANS-1,2-DICHLOROETHENE



Original Int. Results

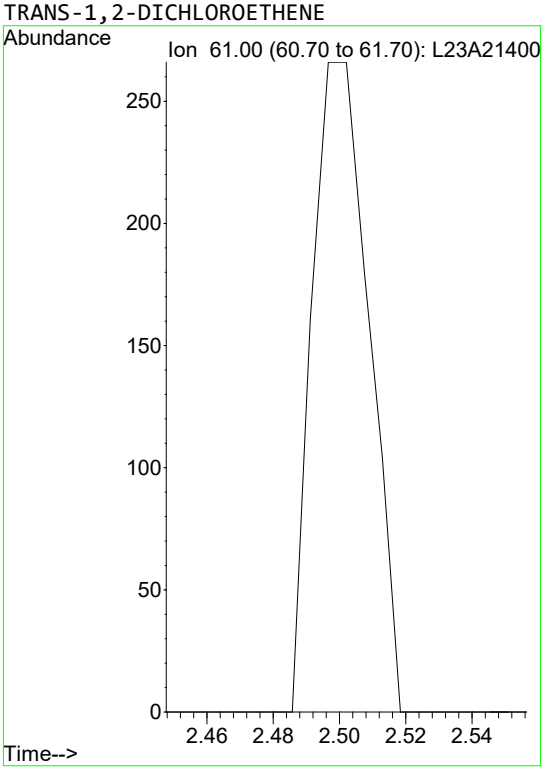
RT : 2.50
Area : 319
Amount: 0.00738506

Manual Int. Results

Thu Aug 03 10:53:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

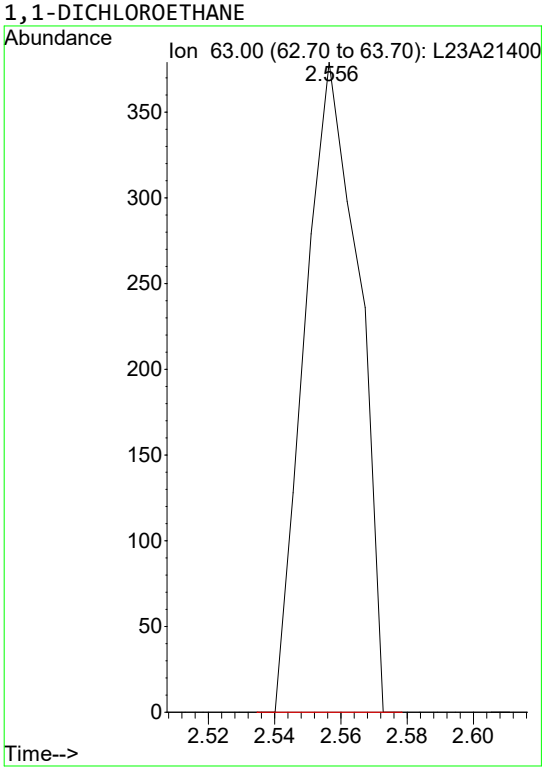
Manual Integration
TRANS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

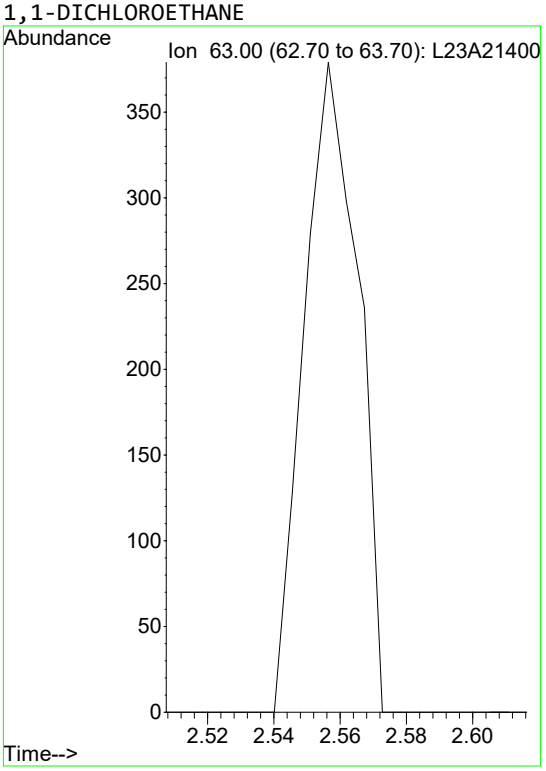
RT : 2.56
Area : 430
Amount: 0.00814319

Manual Int. Results

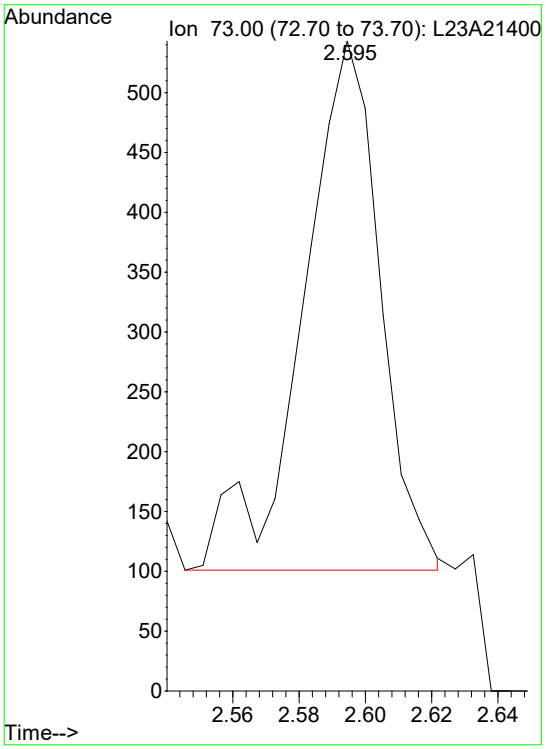
Thu Aug 03 10:52:59 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
MTBE



Original Int. Results

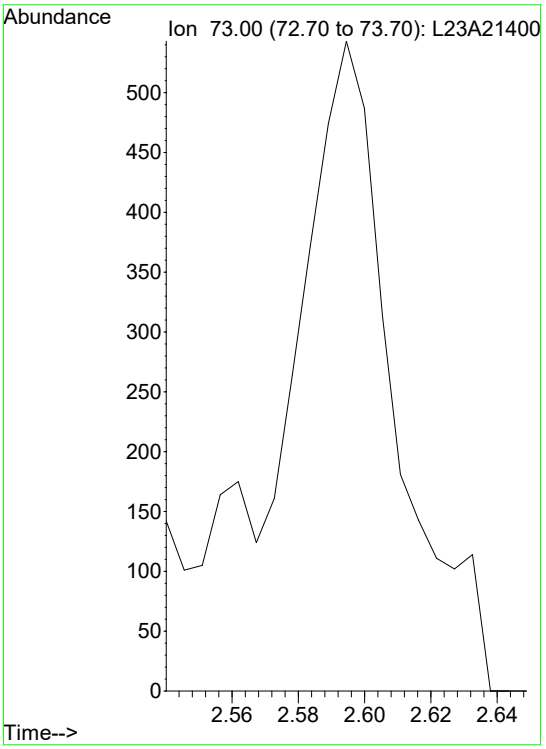
RT : 2.59
Area : 719
Amount: 0.00834113

Manual Int. Results

Thu Aug 03 10:52:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

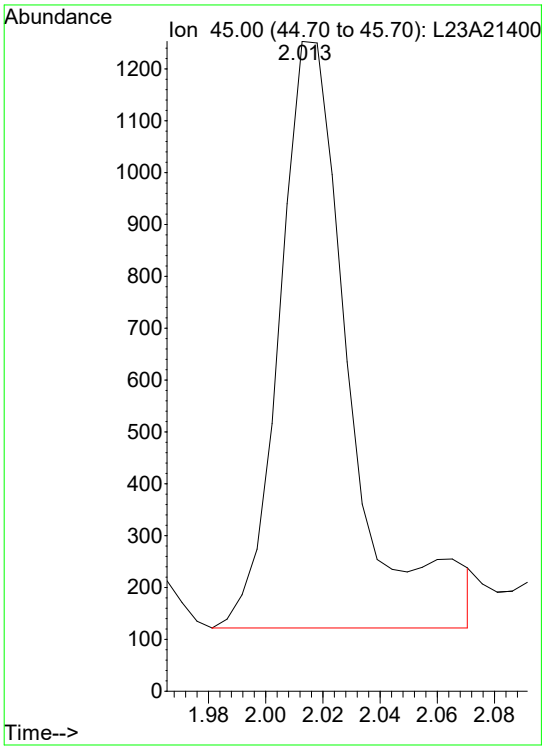
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
IPA



Original Int. Results

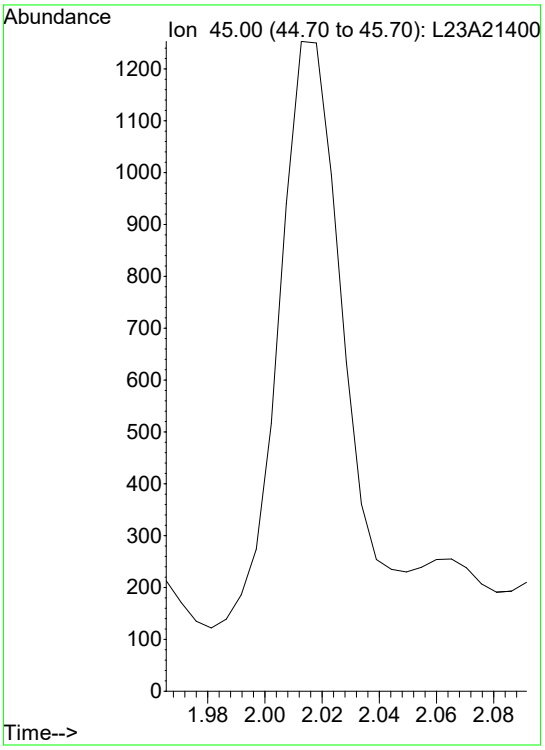
RT : 2.01
Area : 1946
Amount: 0.040731

Manual Int. Results

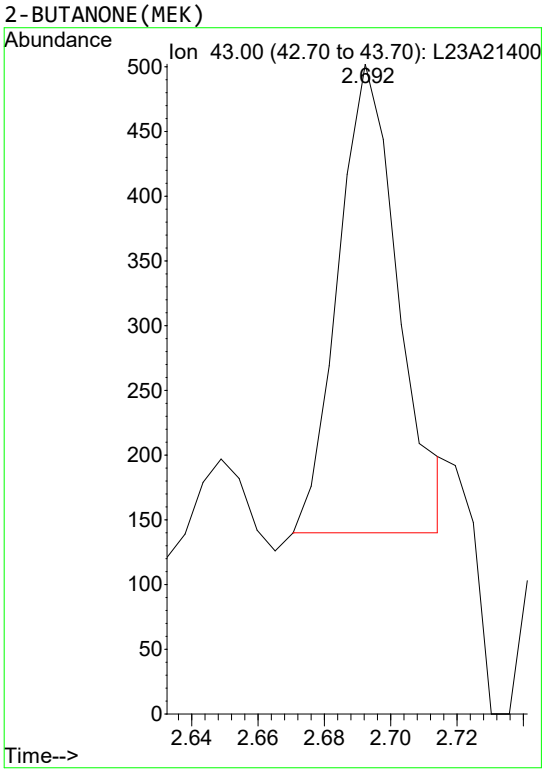
Thu Aug 03 10:52:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IPA



Original Integration
2-BUTANONE(MEK)



Original Int. Results

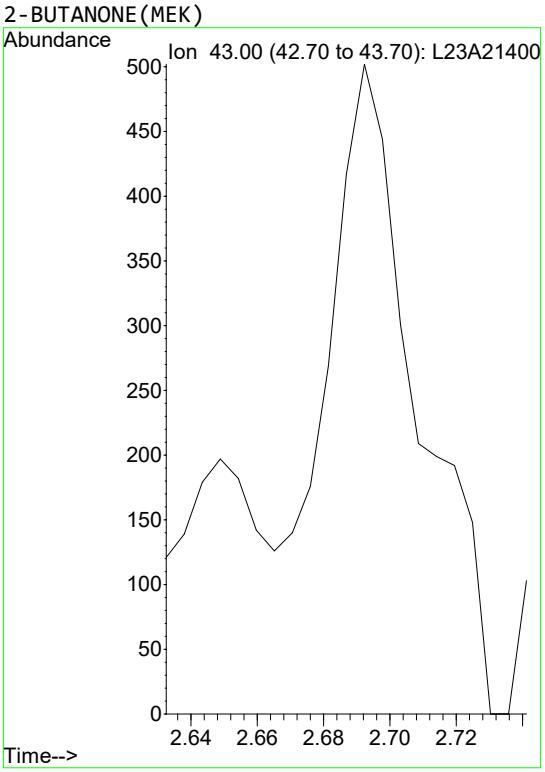
RT : 2.69
Area : 455
Amount: 0.00880635

Manual Int. Results

Thu Aug 03 10:52:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

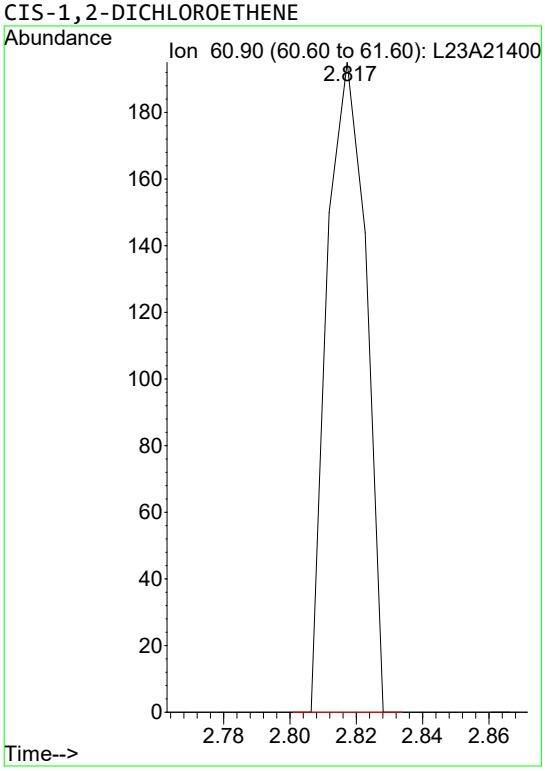
Manual Integration
2-BUTANONE(MEK)



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

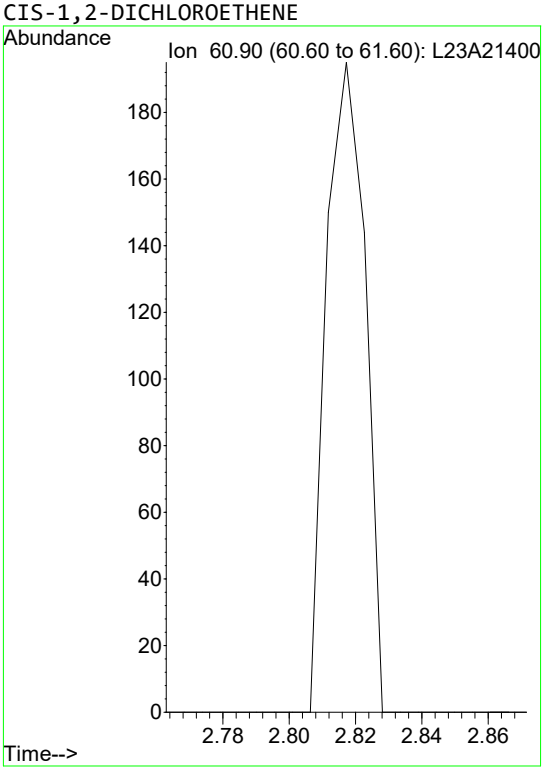
RT : 2.82
Area : 159
Amount: 0.00434659

Manual Int. Results

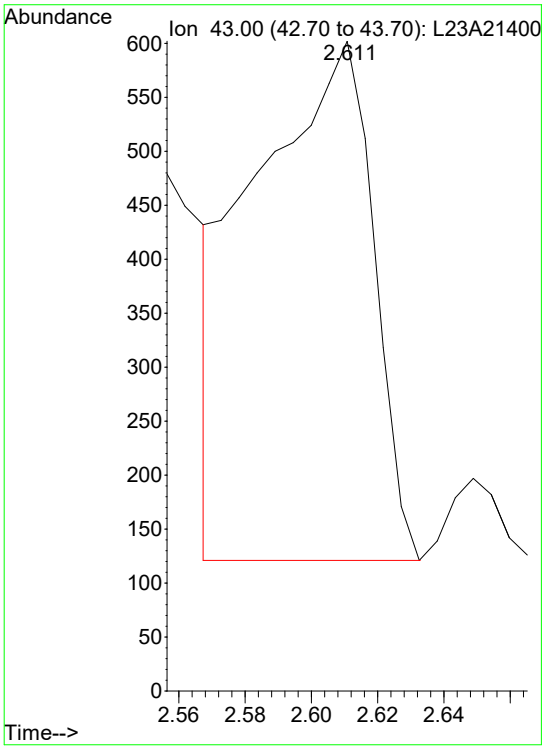
Thu Aug 03 10:52:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,2-DICHLOROETHENE



Original Integration
VINYL ACETATE



Original Int. Results

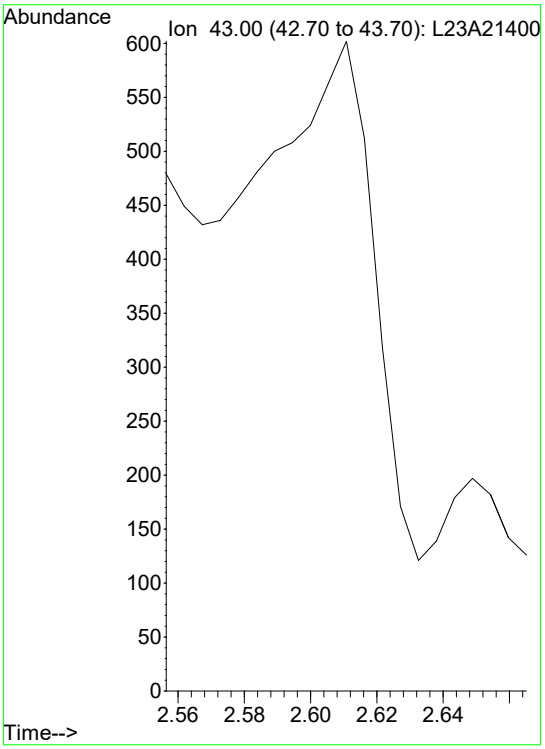
RT : 2.61
Area : 1220
Amount: 0.0208321

Manual Int. Results

Thu Aug 03 10:52:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

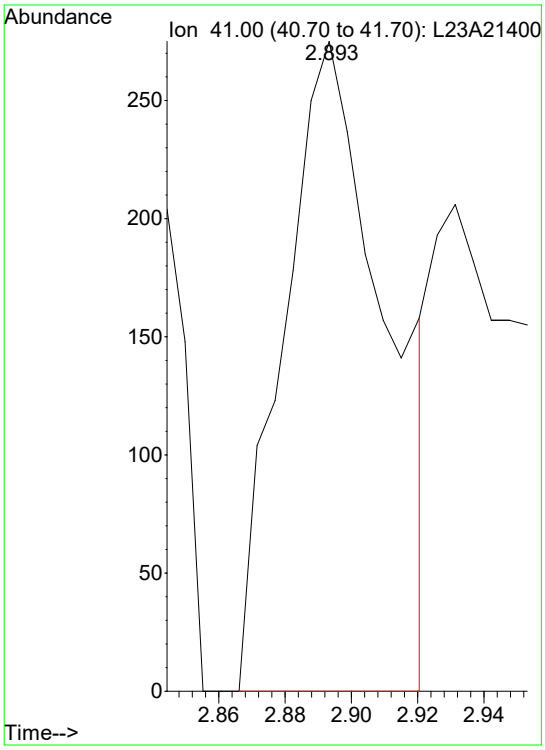
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXANE



Original Int. Results

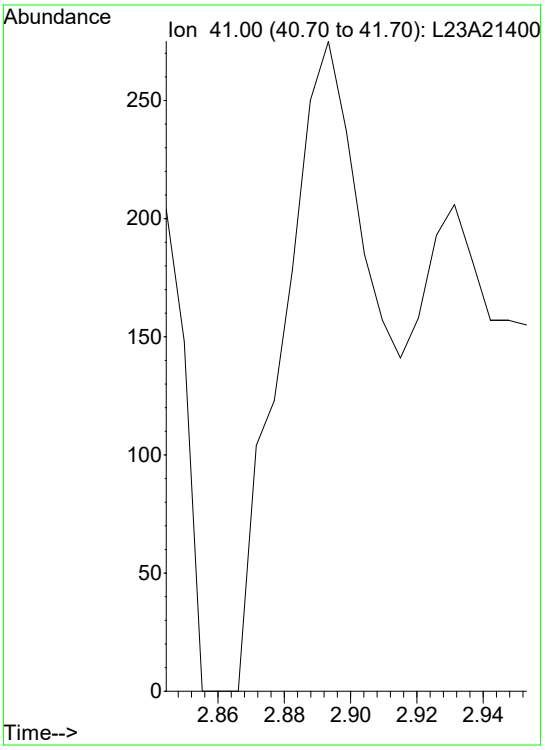
RT : 2.89
Area : 590
Amount: 0.0200538

Manual Int. Results

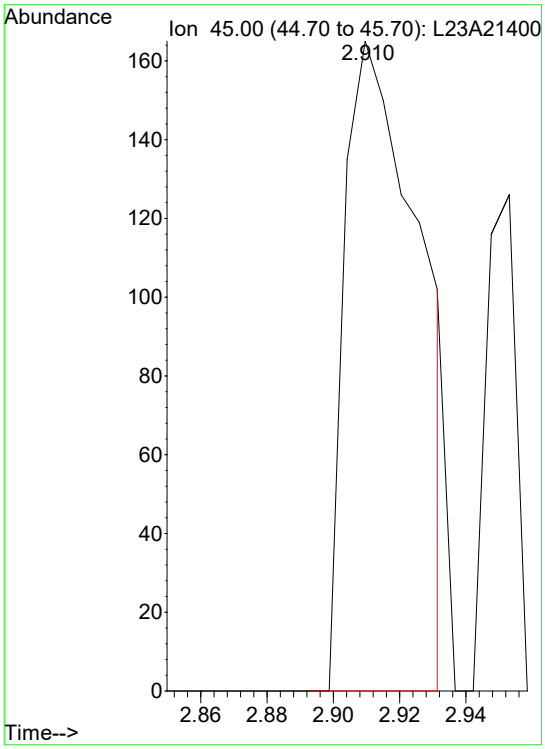
Thu Aug 03 10:52:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
ETHYL ACETATE



Original Int. Results

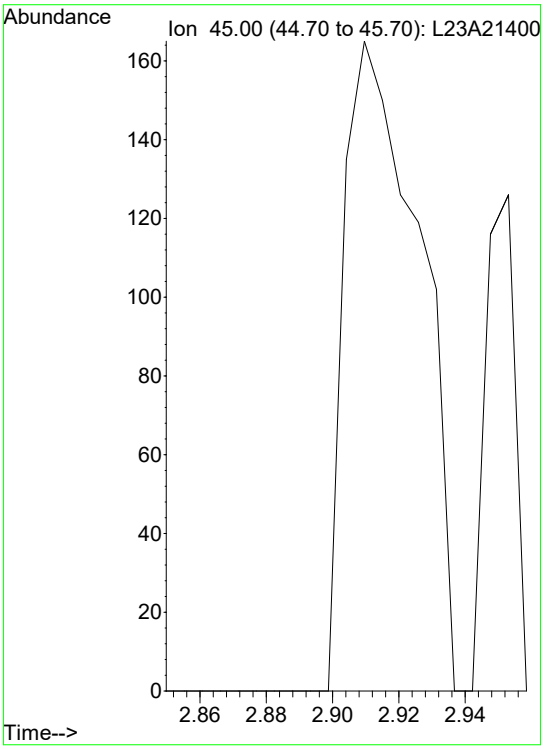
RT : 2.91
Area : 260
Amount: 0.0264745

Manual Int. Results

Thu Aug 03 10:52:48 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

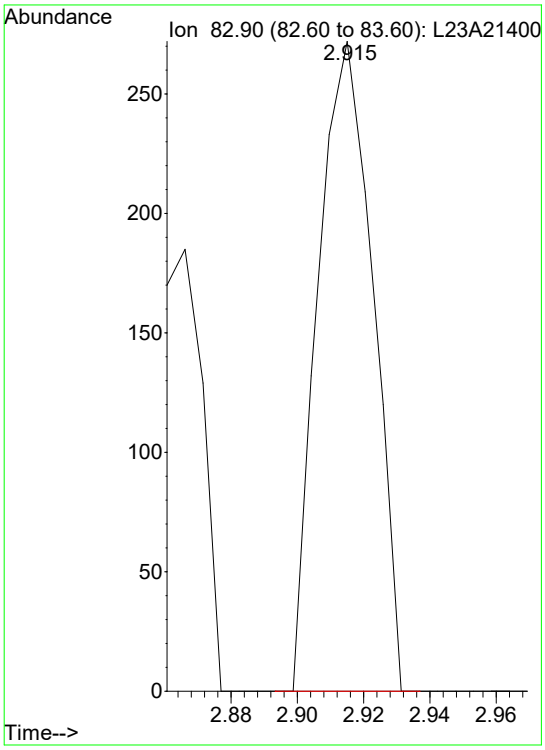
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROFORM



Original Int. Results

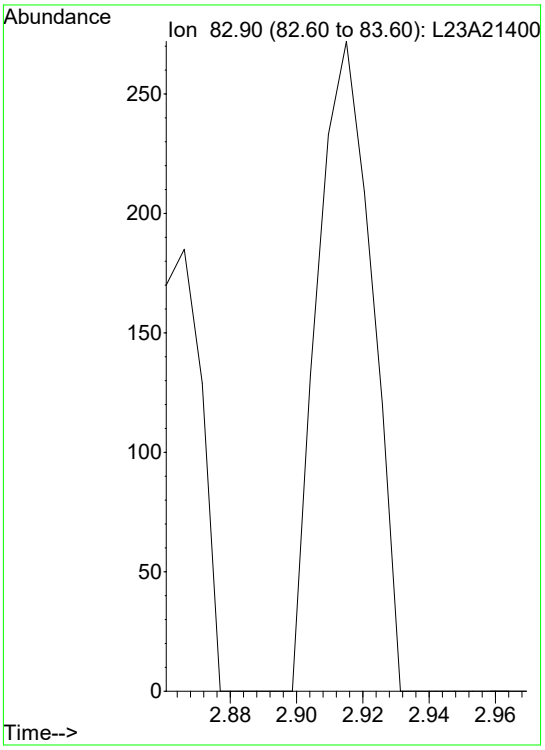
RT : 2.92
Area : 315
Amount: 0.00546814

Manual Int. Results

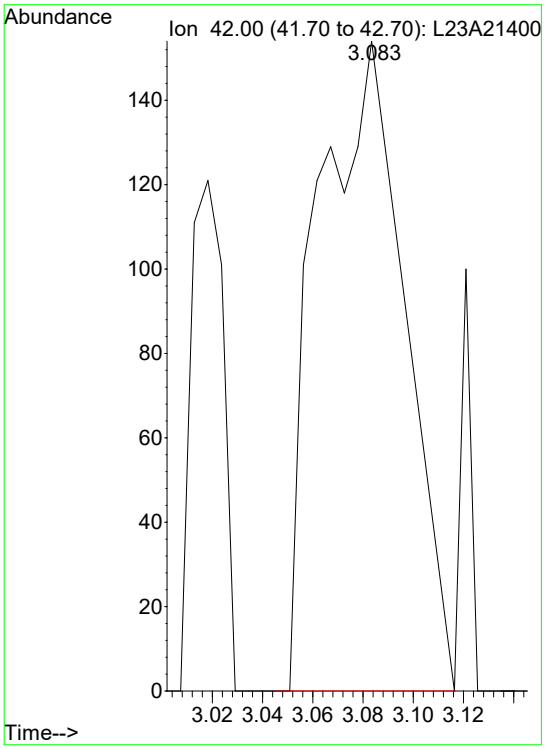
Thu Aug 03 10:52:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROFORM



Original Integration
TETRAHYDROFURAN



Original Int. Results

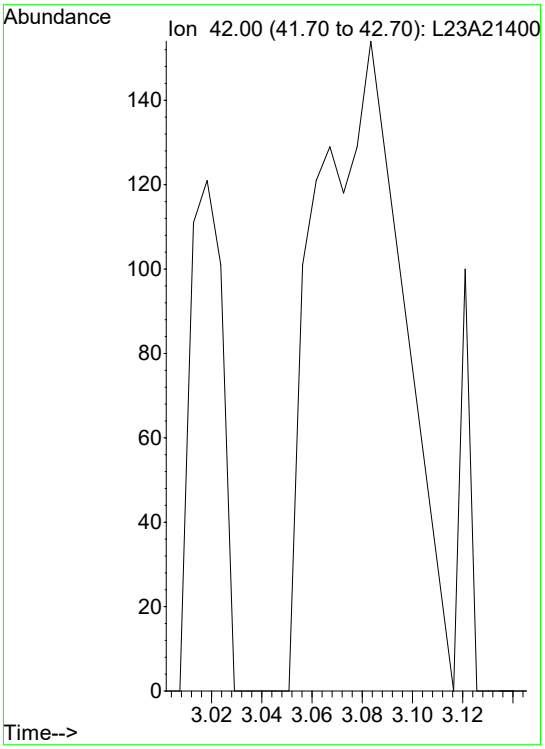
RT : 3.08
Area : 400
Amount: 0.0100713

Manual Int. Results

Thu Aug 03 10:52:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

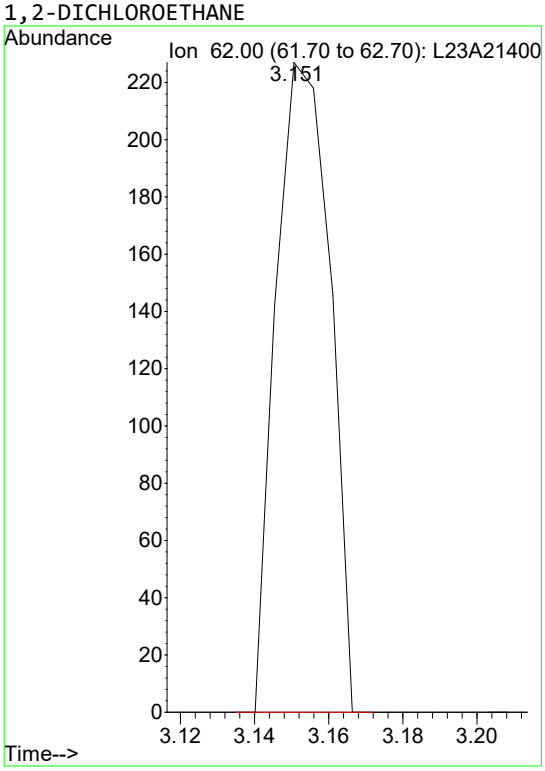
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROETHANE



Original Int. Results

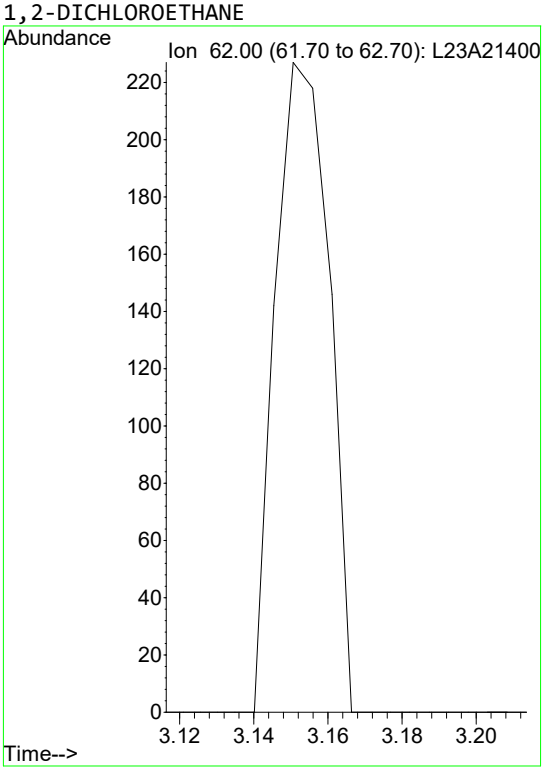
RT : 3.15
Area : 231
Amount: 0.00613031

Manual Int. Results

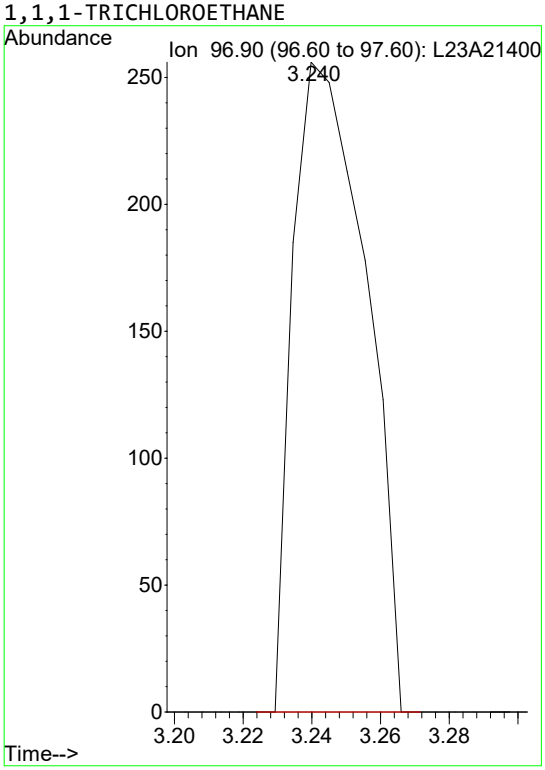
Thu Aug 03 10:52:43 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROETHANE



Original Integration
1,1,1-TRICHLOROETHANE



Original Int. Results

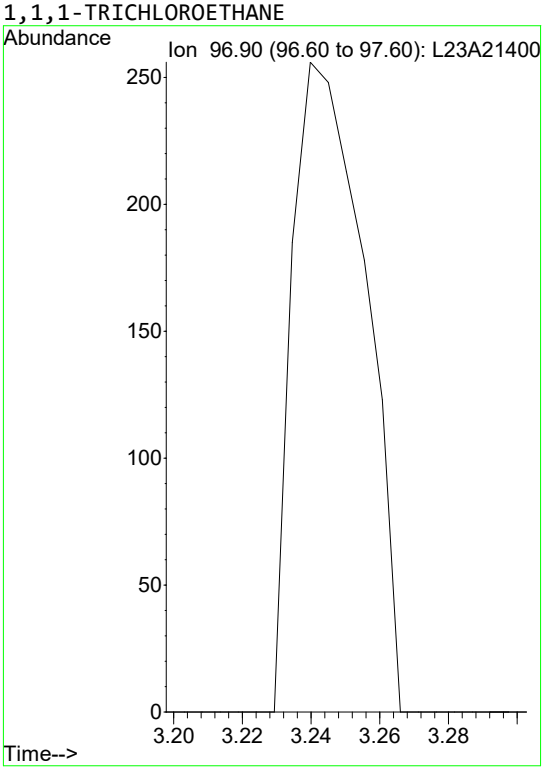
RT : 3.24
Area : 379
Amount: 0.0069097

Manual Int. Results

Thu Aug 03 10:52:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

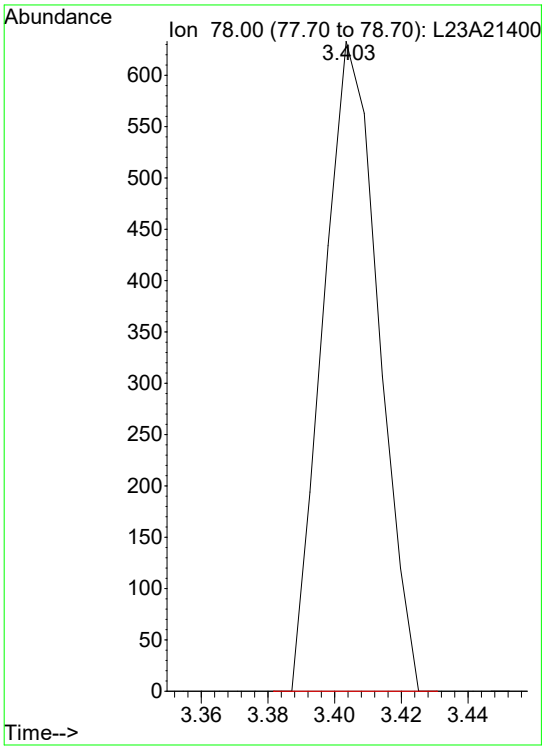
Manual Integration
1,1,1-TRICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BENZENE



Original Int. Results

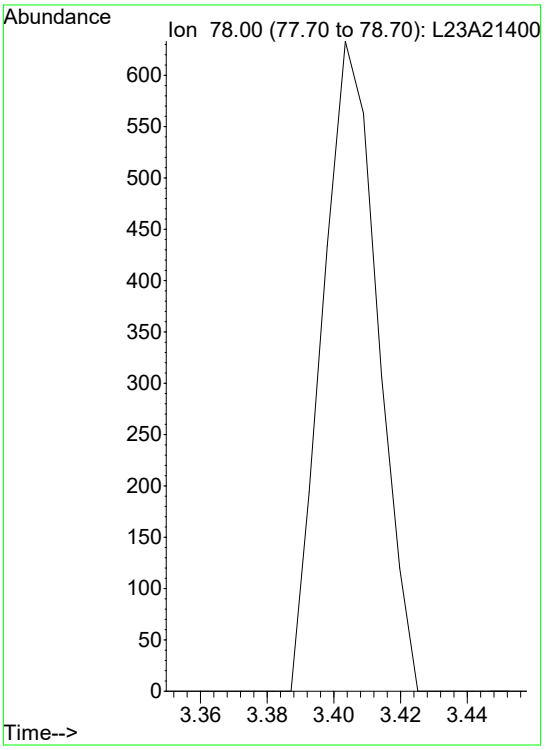
RT : 3.40
Area : 734
Amount: 0.00895855

Manual Int. Results

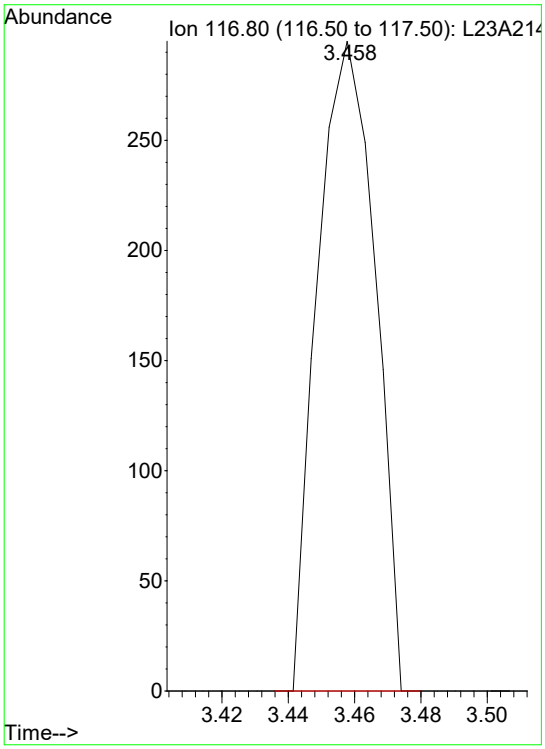
Thu Aug 03 10:52:40 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZENE



Original Integration
CARBON TETRACHLORIDE



Original Int. Results

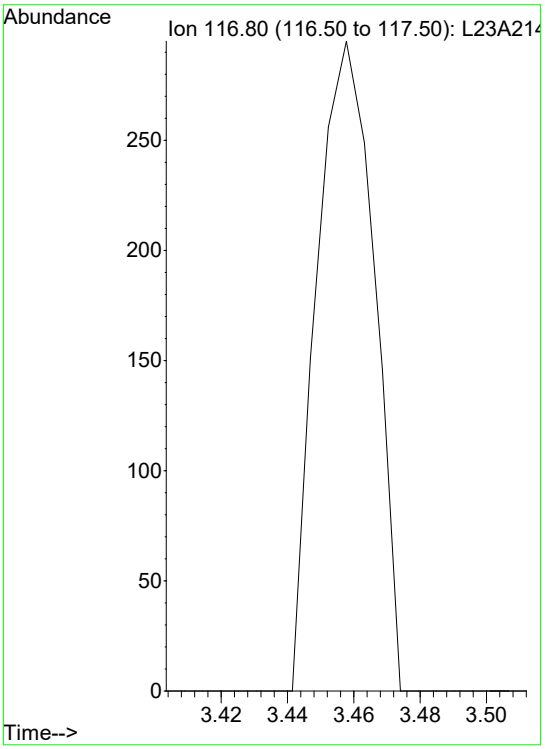
RT : 3.46
Area : 358
Amount: 0.00644951

Manual Int. Results

Thu Aug 03 10:52:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

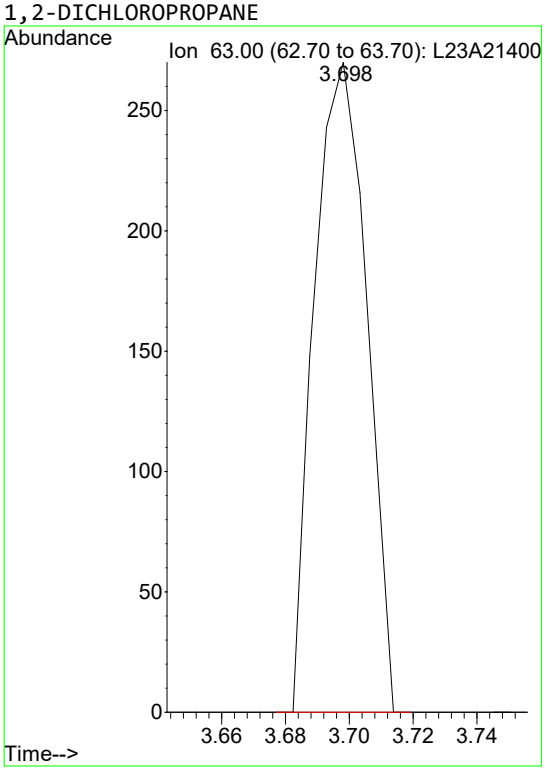
Manual Integration
CARBON TETRACHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

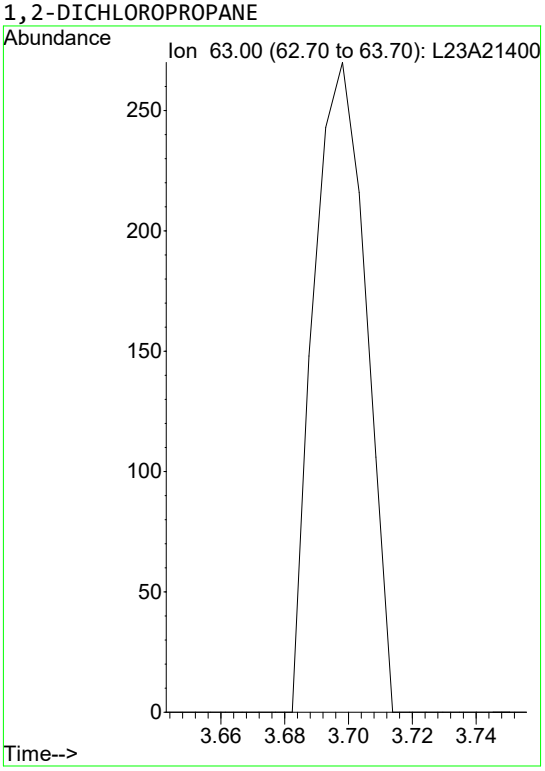
RT : 3.70
Area : 309
Amount: 0.0108043

Manual Int. Results

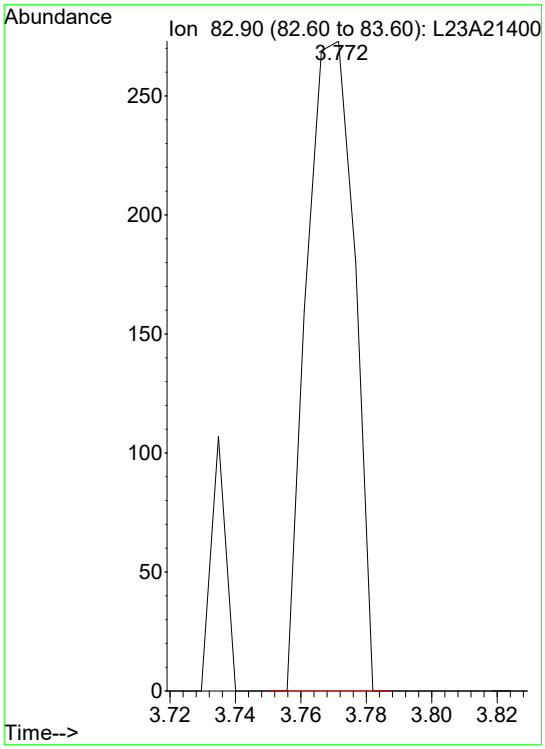
Thu Aug 03 10:52:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

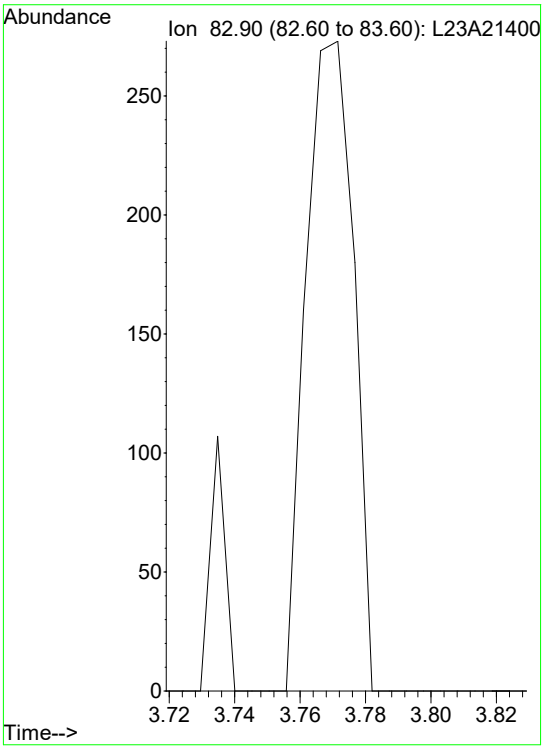
RT : 3.77
Area : 278
Amount: 0.00477594

Manual Int. Results

Thu Aug 03 10:52:35 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

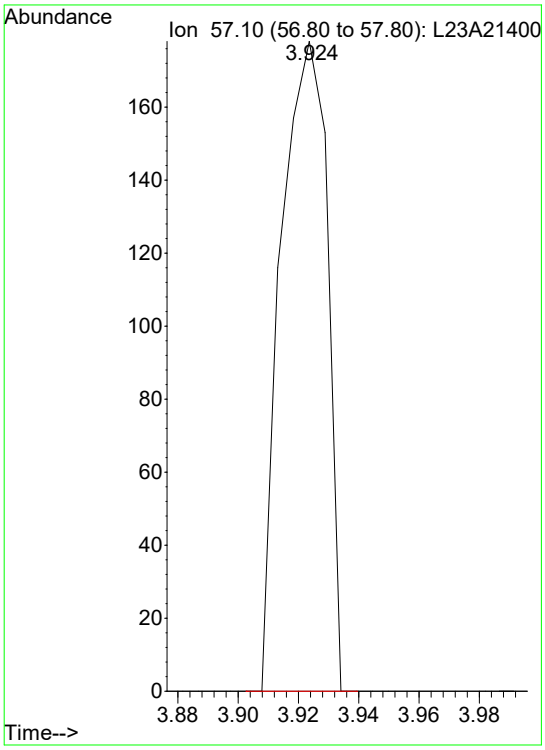
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEPTANE



Original Int. Results

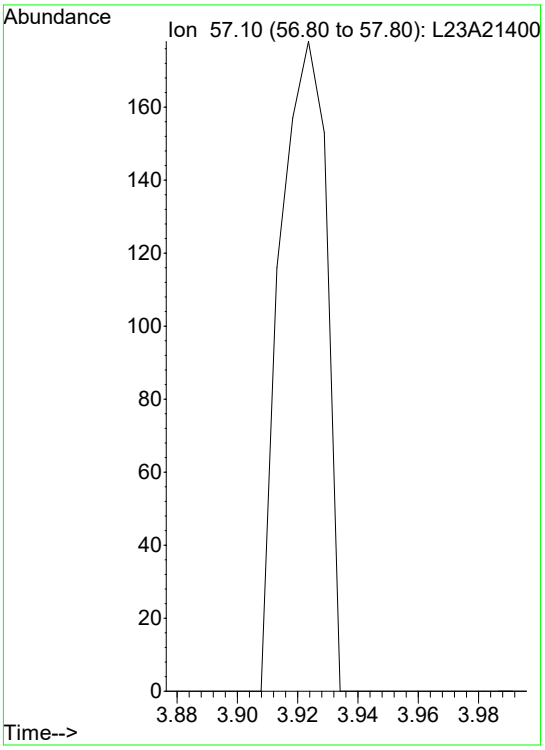
RT : 3.92
Area : 190
Amount: 0.00525777

Manual Int. Results

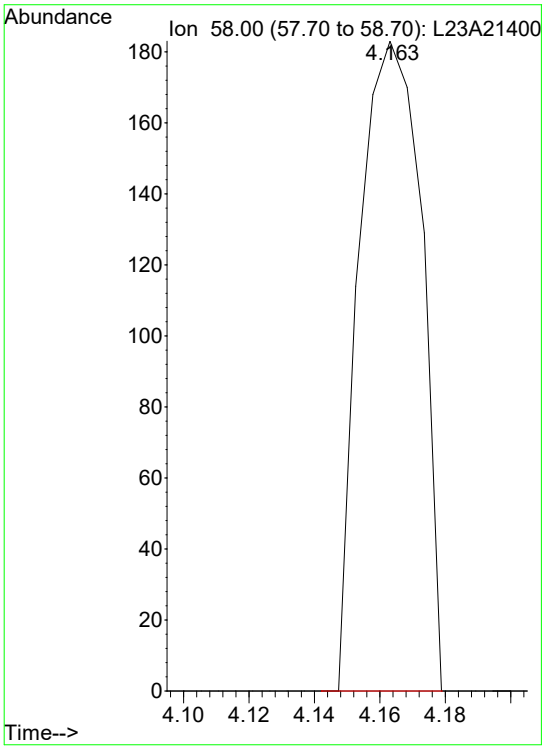
Thu Aug 03 10:52:32 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEPTANE



Original Integration
MIBK



Original Int. Results

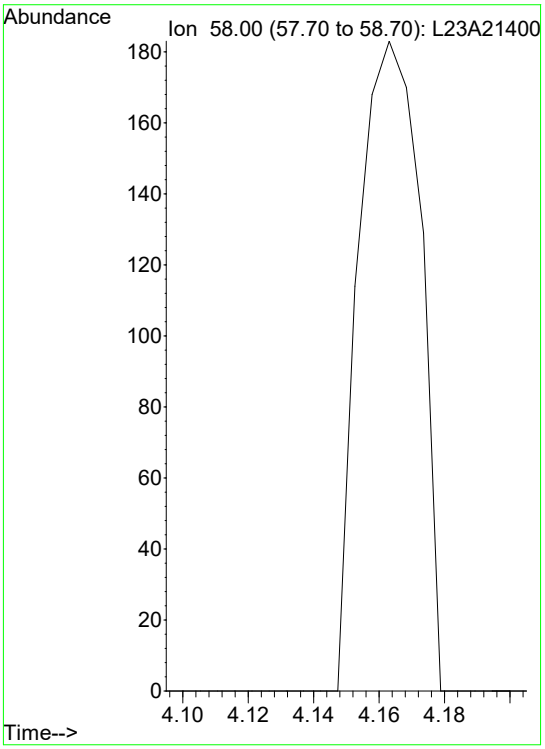
RT : 4.16
Area : 240
Amount: 0.0084

Manual Int. Results

Thu Aug 03 10:52:31 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

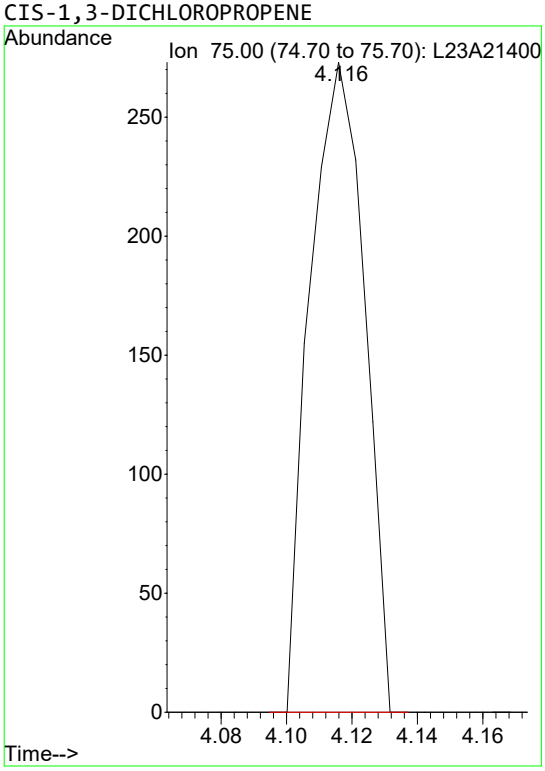
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,3-DICHLOROPROPENE



Original Int. Results

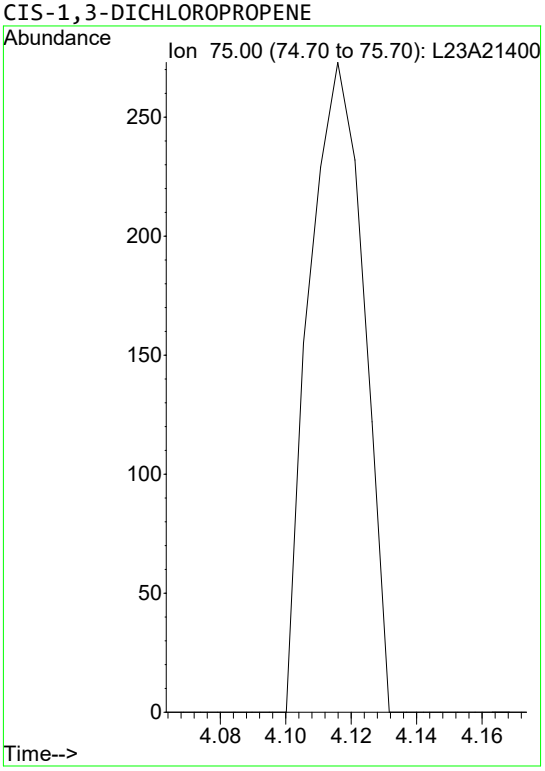
RT : 4.12
Area : 318
Amount: 0.00738657

Manual Int. Results

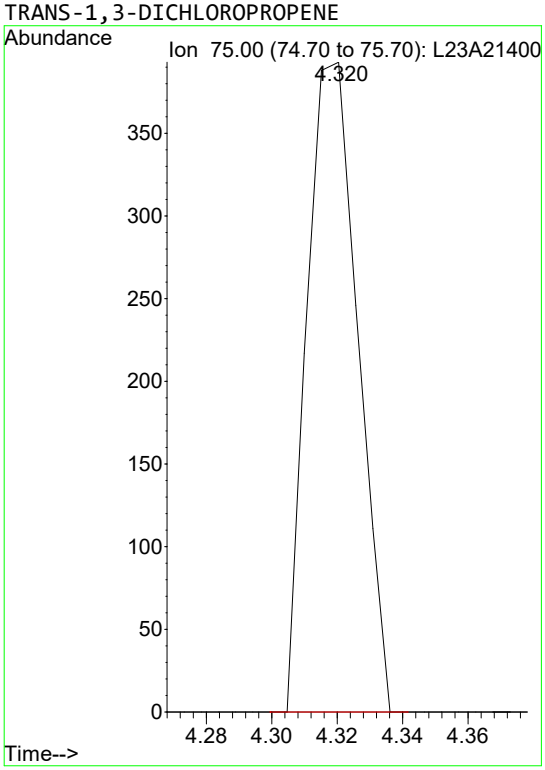
Thu Aug 03 10:52:29 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,3-DICHLOROPROPENE



Original Integration
TRANS-1,3-DICHLOROPROPENE



Original Int. Results

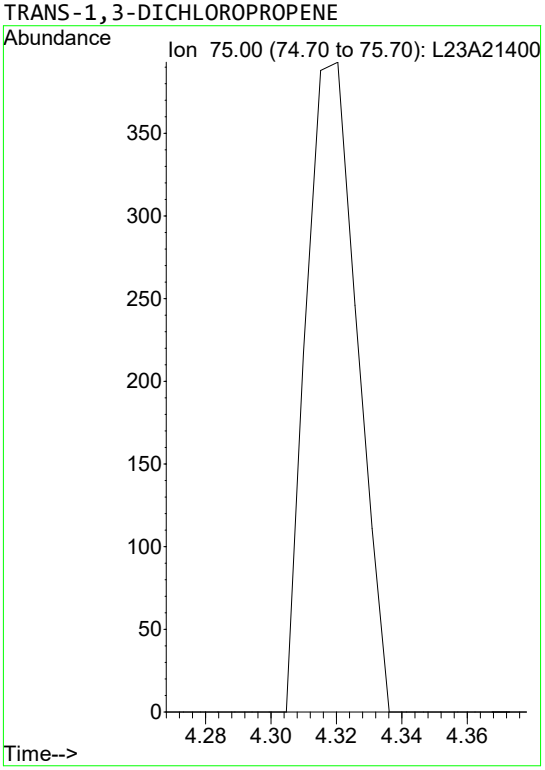
RT : 4.32
Area : 426
Amount: 0.0112325

Manual Int. Results

Thu Aug 03 10:52:28 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

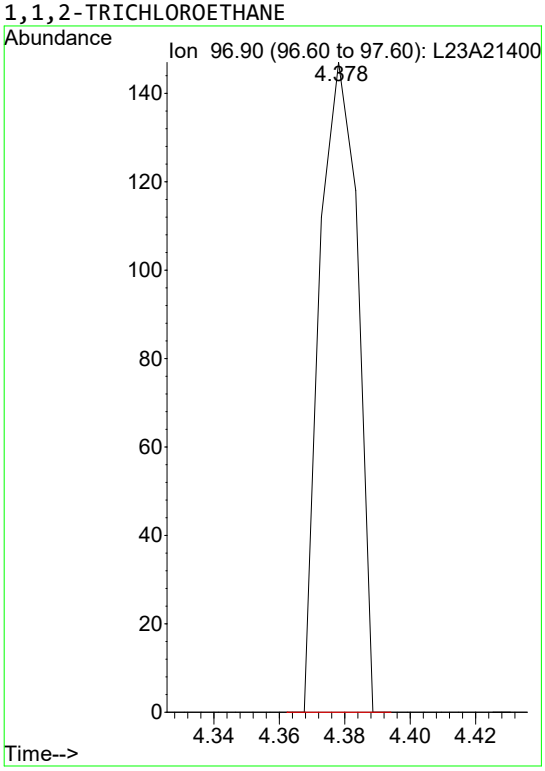
Manual Integration
TRANS-1,3-DICHLOROPROPENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

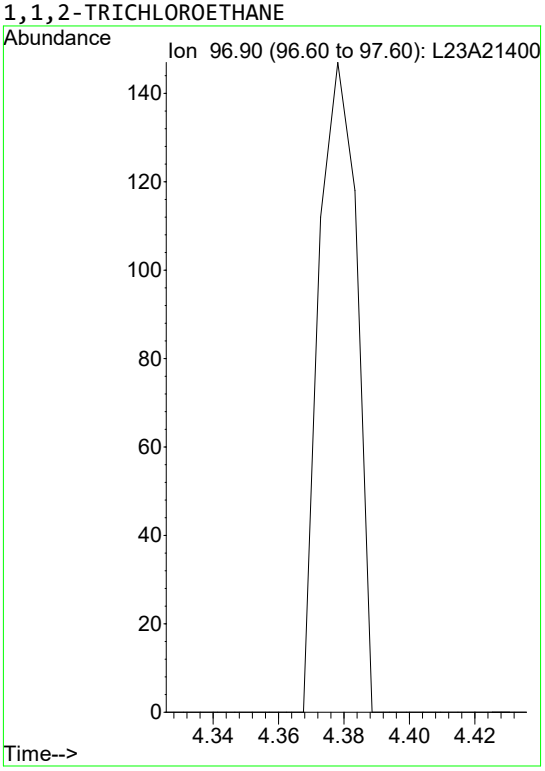
RT : 4.38
Area : 119
Amount: 0.00384238

Manual Int. Results

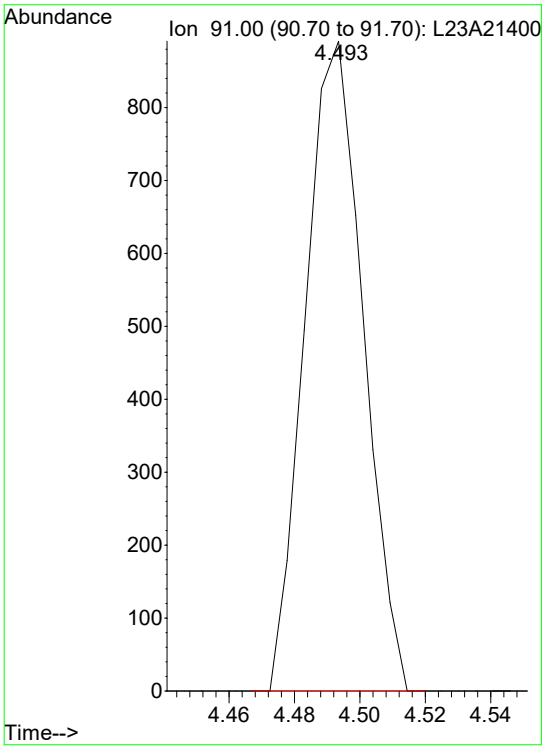
Thu Aug 03 10:52:26 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TOLUENE



Original Int. Results

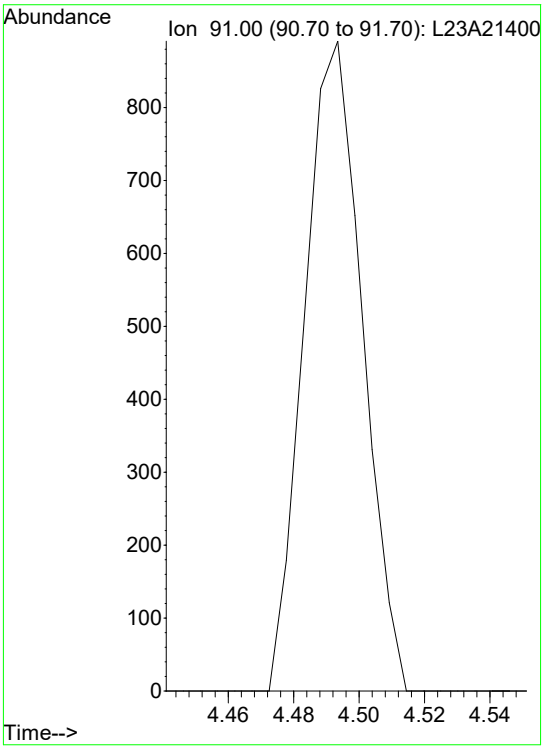
RT : 4.49
Area : 1100
Amount: 0.01119

Manual Int. Results

Thu Aug 03 10:52:25 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

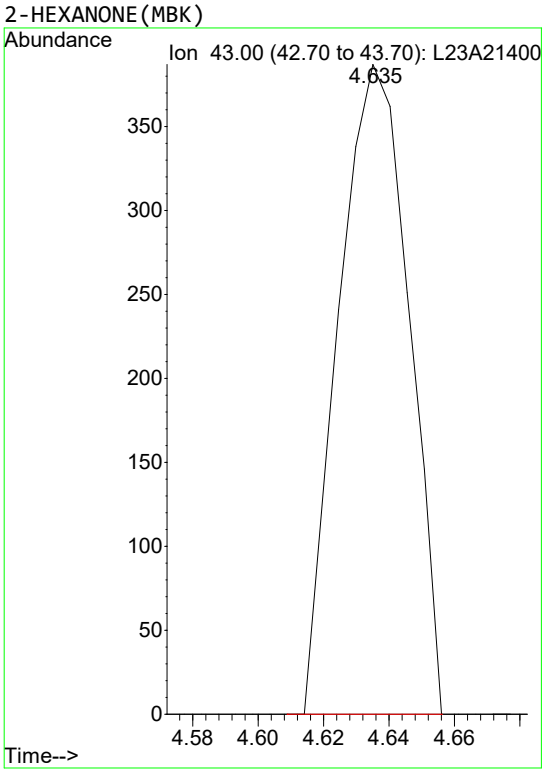
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

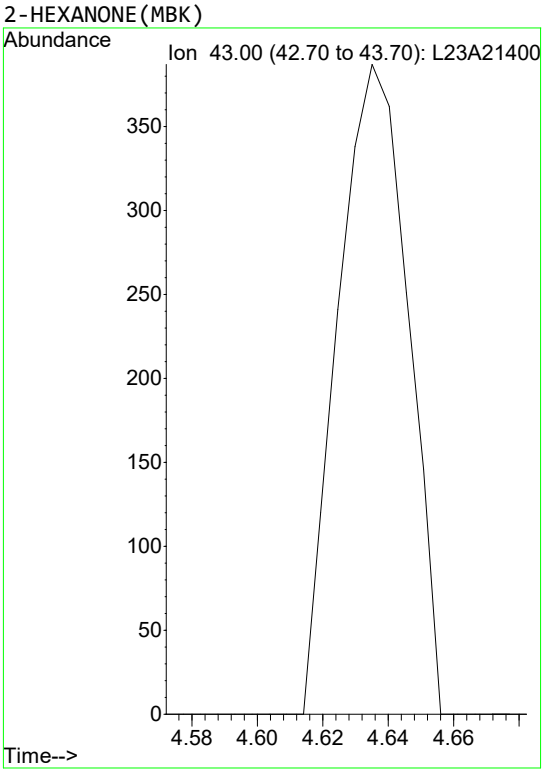
RT : 4.64
Area : 581
Amount: 0.0086949

Manual Int. Results

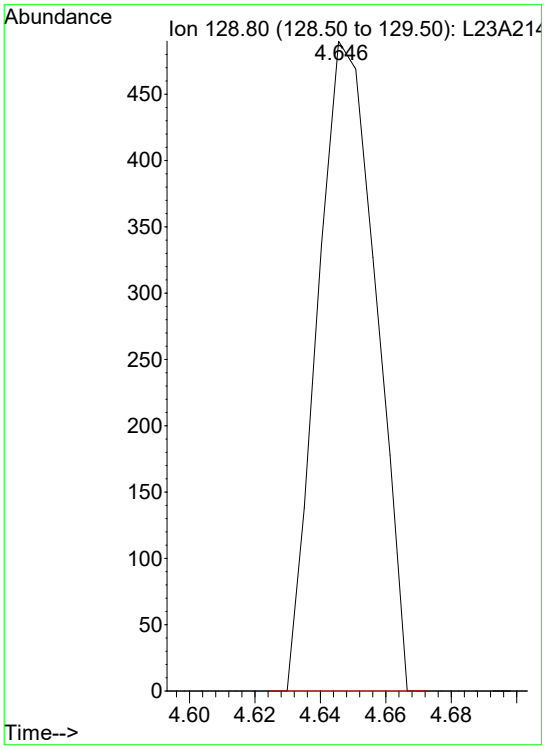
Thu Aug 03 10:52:23 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

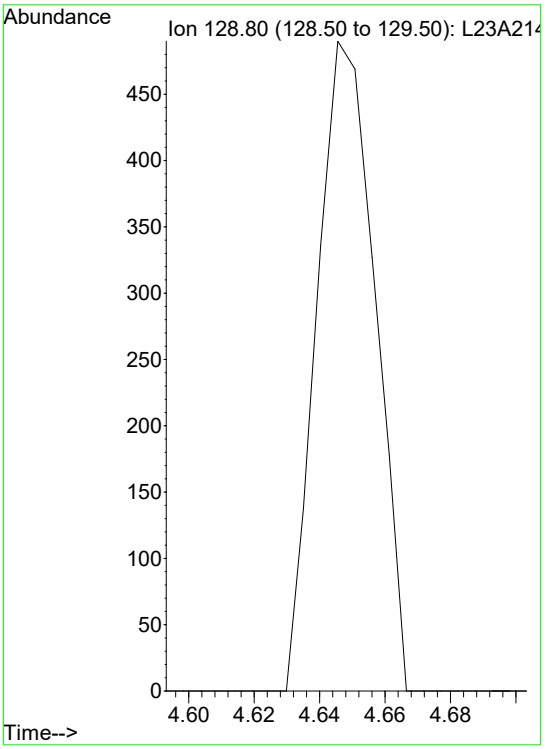
RT : 4.65
Area : 610
Amount: 0.0107962

Manual Int. Results

Thu Aug 03 10:52:21 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

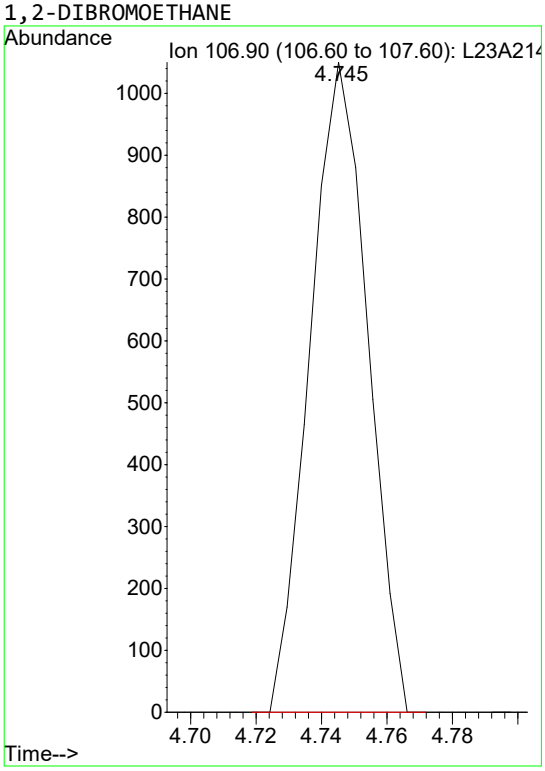
Manual Integration
DIBROMOCHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DIBROMOETHANE



Original Int. Results

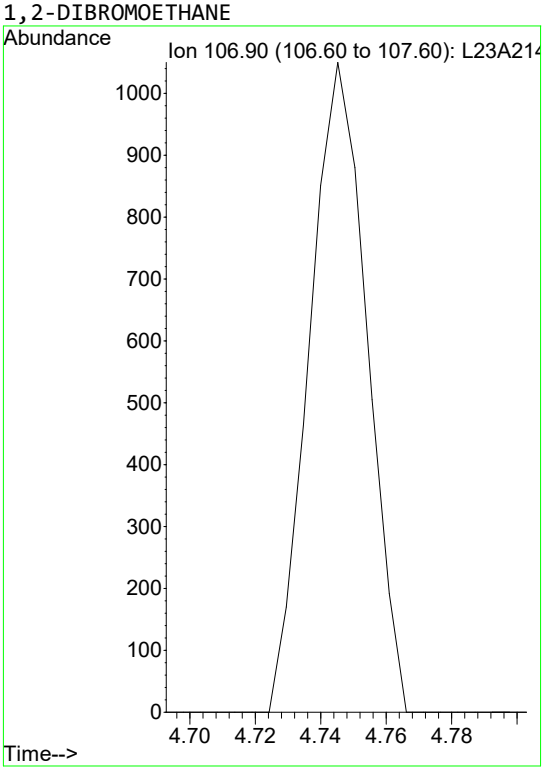
RT : 4.75
Area : 1294
Amount: 0.024249

Manual Int. Results

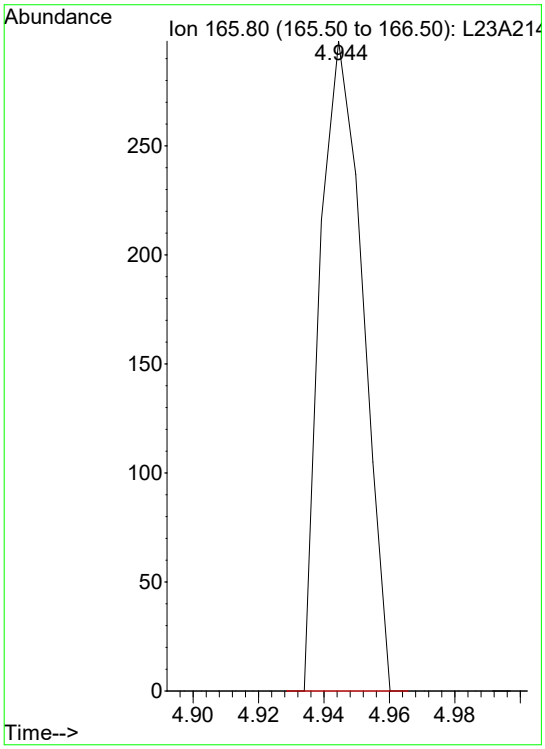
Thu Aug 03 10:52:20 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DIBROMOETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

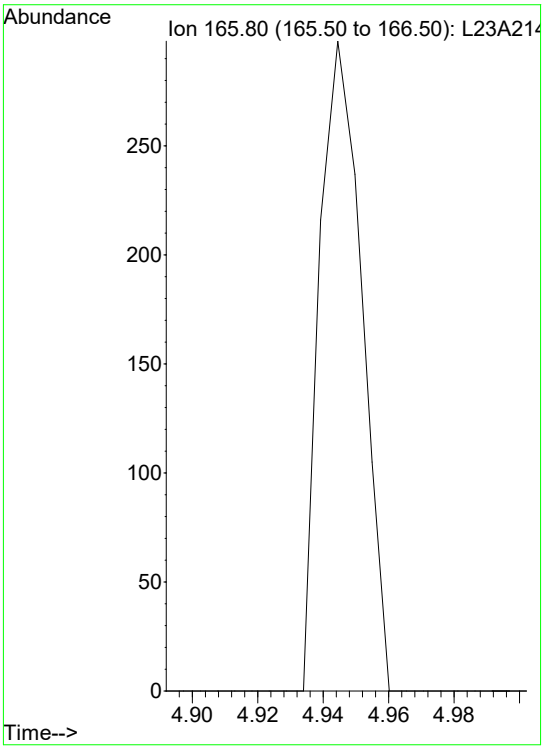
RT : 4.94
Area : 269
Amount: 0.00637155

Manual Int. Results

Thu Aug 03 10:52:18 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

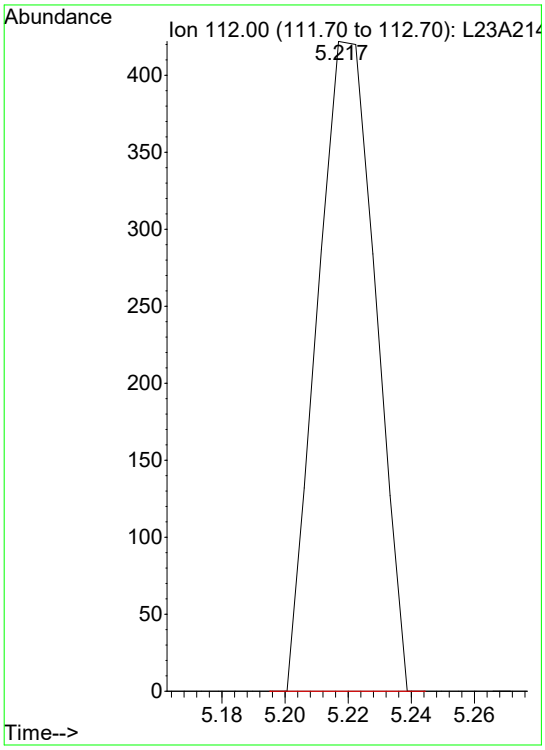
Manual Integration
TETRACHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROBENZENE



Original Int. Results

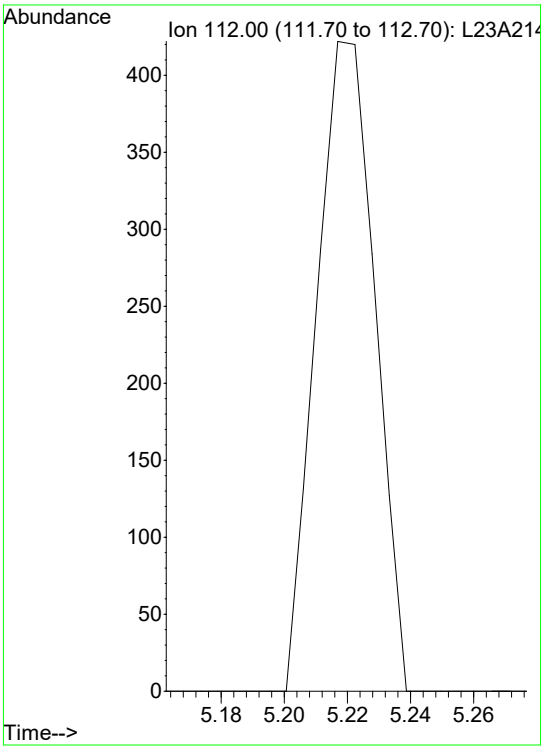
RT : 5.22
Area : 546
Amount: 0.00754388

Manual Int. Results

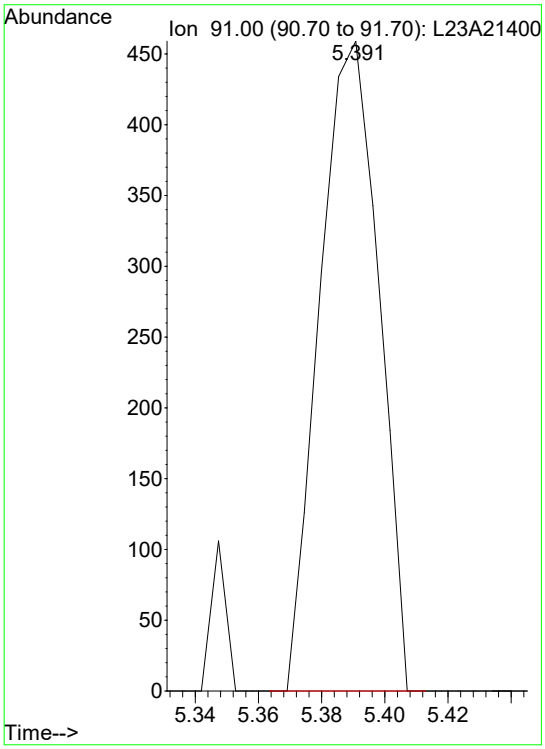
Thu Aug 03 10:52:17 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
ETHYLBENZENE



Original Int. Results

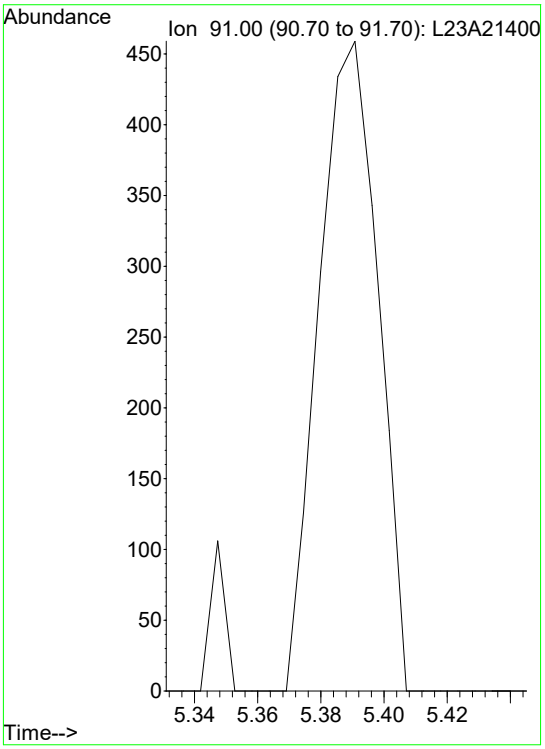
RT : 5.39
Area : 600
Amount: 0.00499572

Manual Int. Results

Thu Aug 03 10:52:15 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

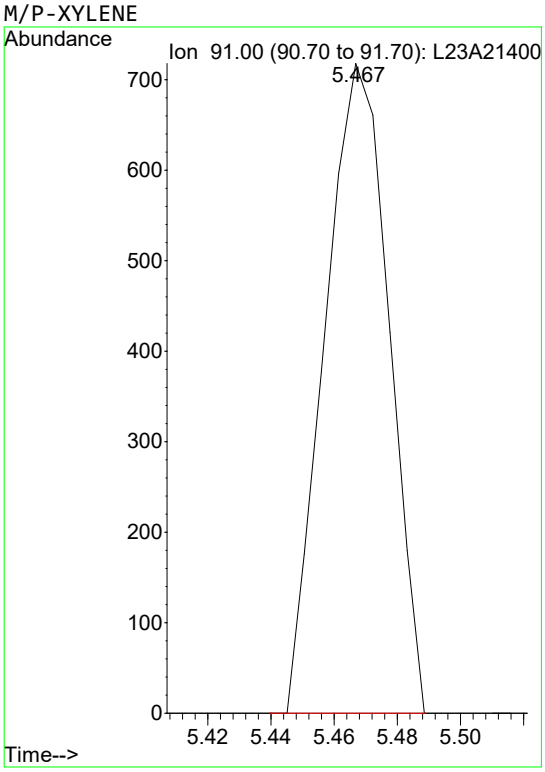
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
M/P-XYLENE



Original Int. Results

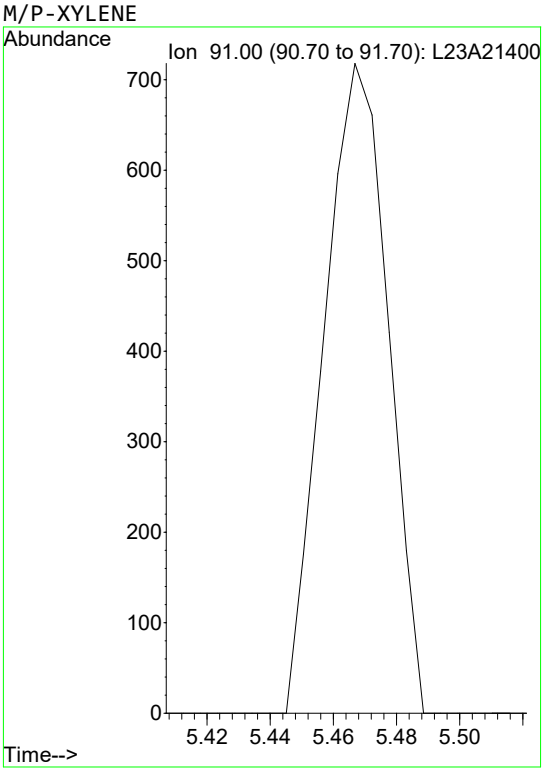
RT : 5.47
Area : 1020
Amount: 0.0104689

Manual Int. Results

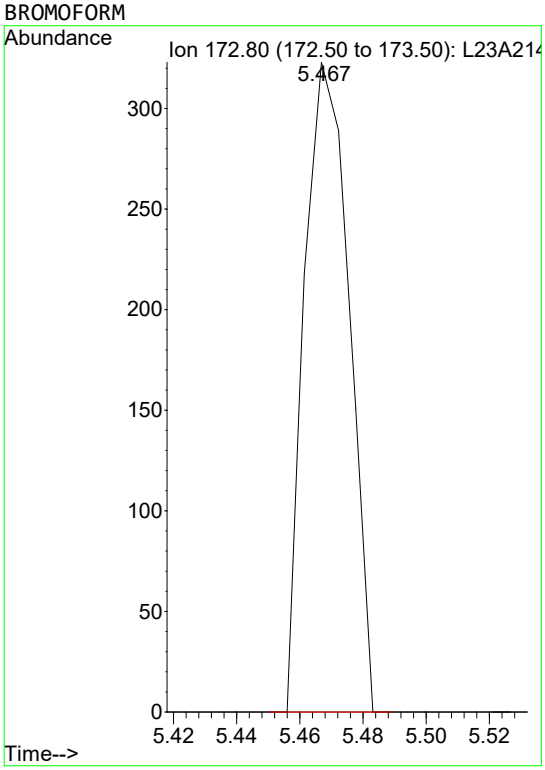
Thu Aug 03 10:52:13 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

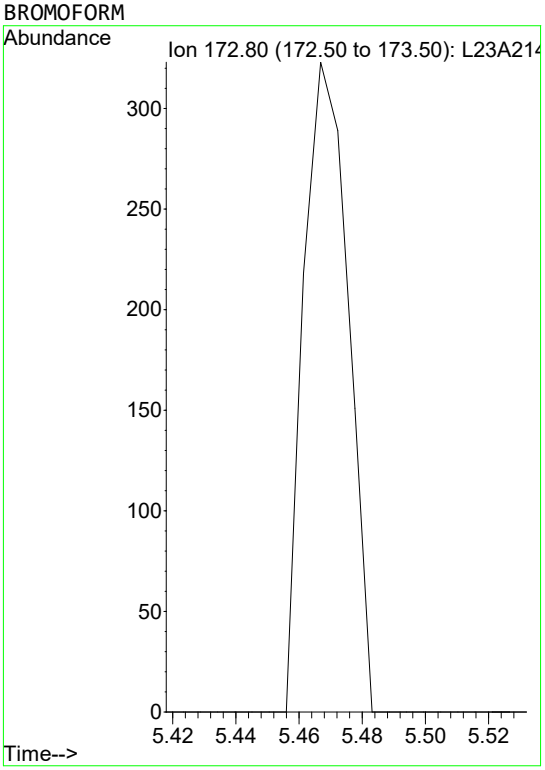
RT : 5.47
Area : 320
Amount: 0.00702805

Manual Int. Results

Thu Aug 03 10:52:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

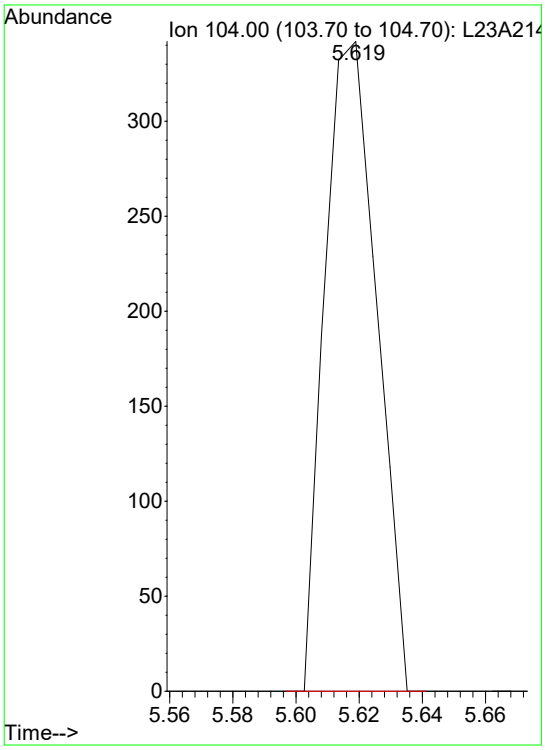
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
STYRENE



Original Int. Results

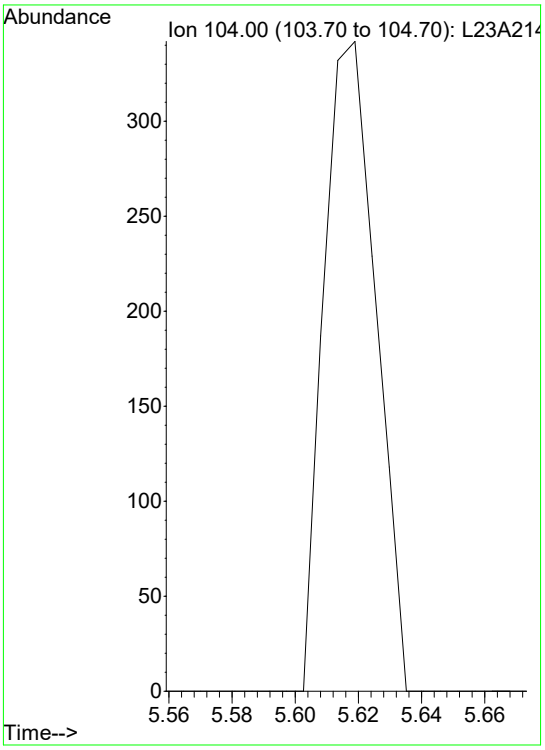
RT : 5.62
Area : 394
Amount: 0.00604489

Manual Int. Results

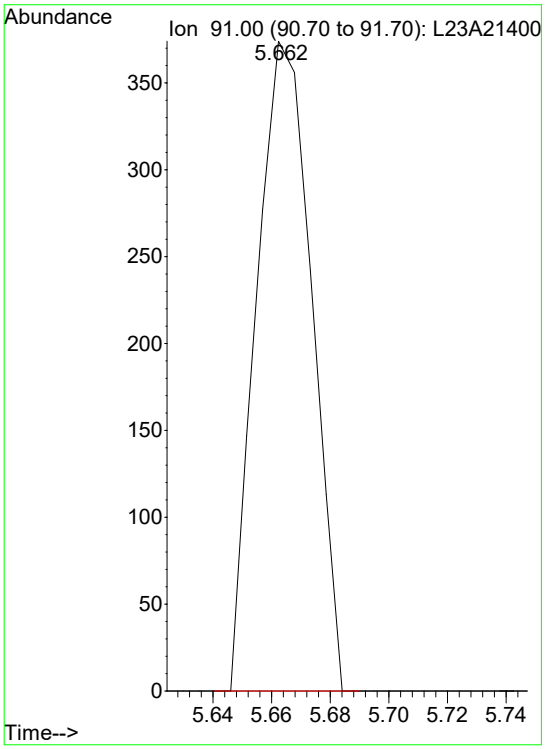
Thu Aug 03 10:52:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

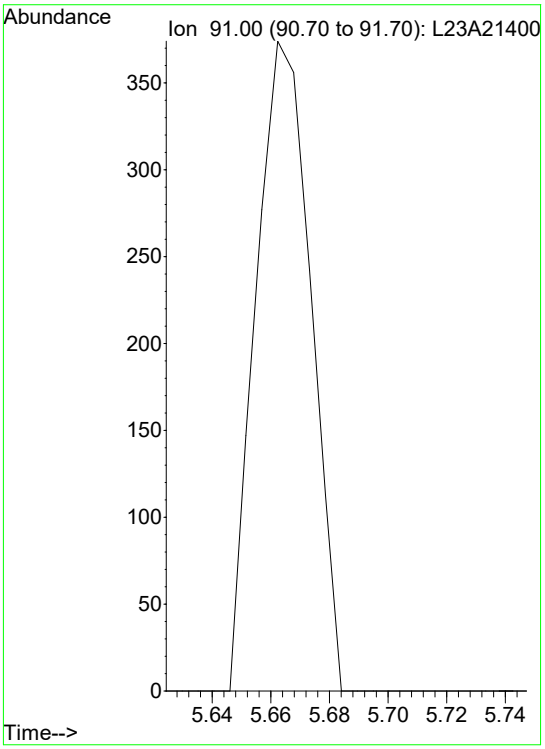
RT : 5.66
Area : 492
Amount: 0.0052685

Manual Int. Results

Thu Aug 03 10:52:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

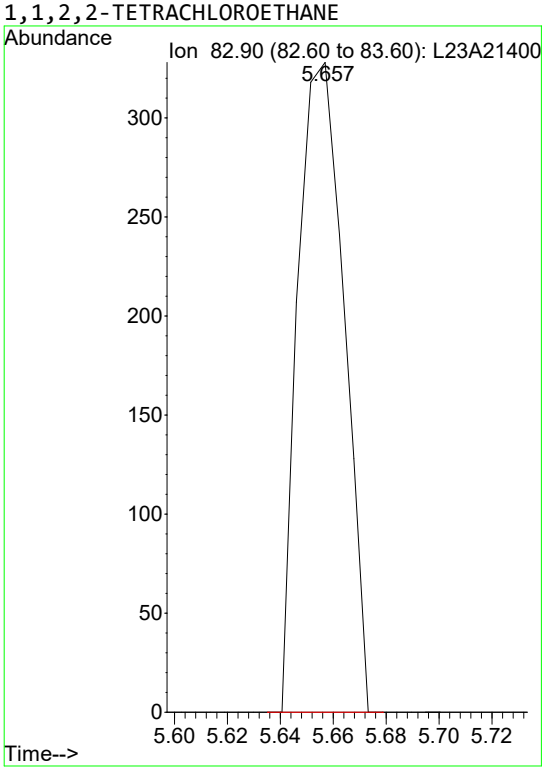
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

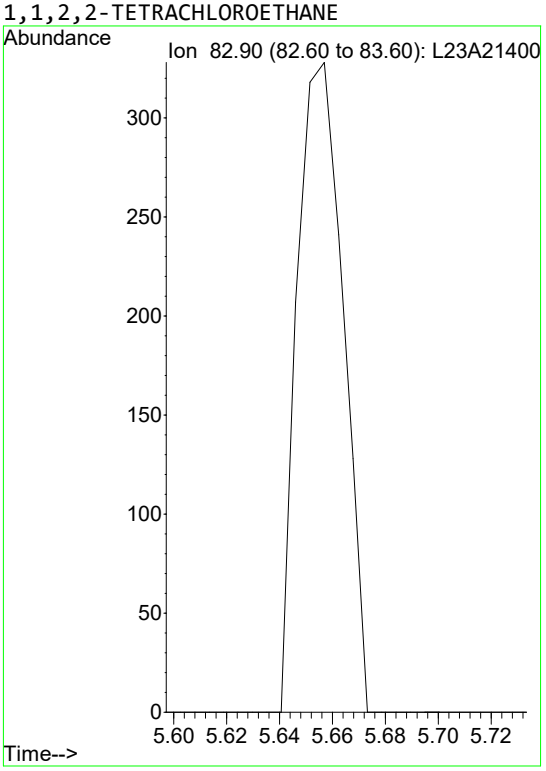
RT : 5.66
Area : 398
Amount: 0.00616547

Manual Int. Results

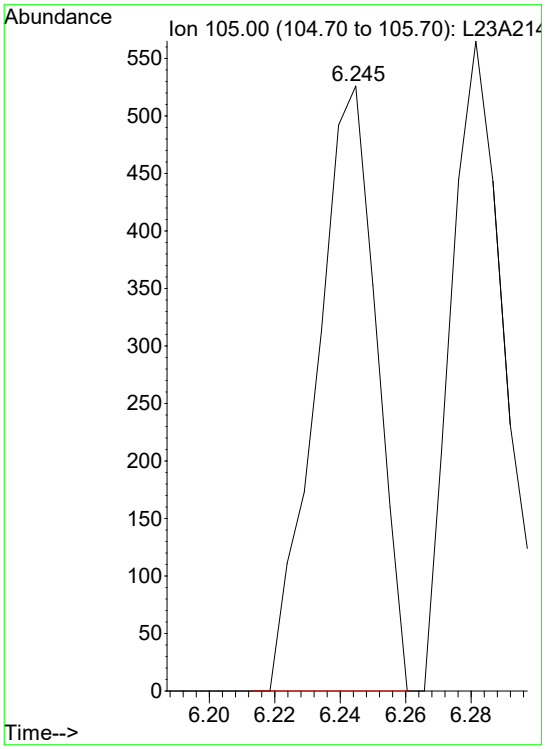
Thu Aug 03 10:52:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

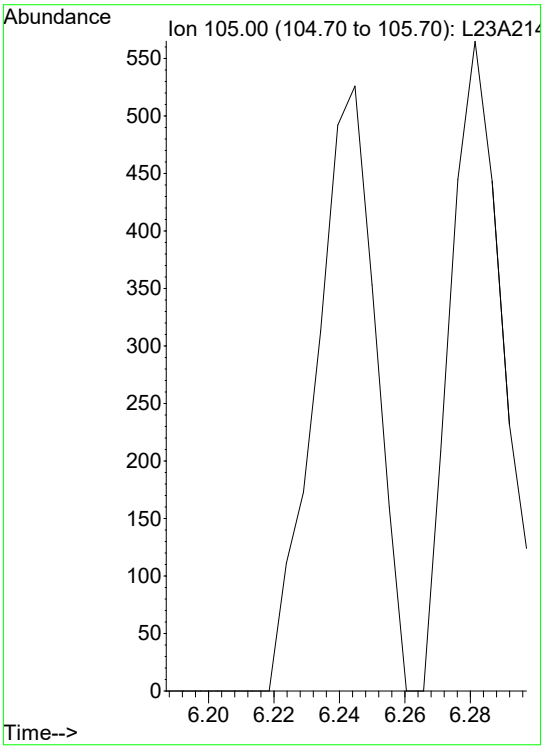
RT : 6.24
Area : 669
Amount: 0.00542989

Manual Int. Results

Thu Aug 03 10:52:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

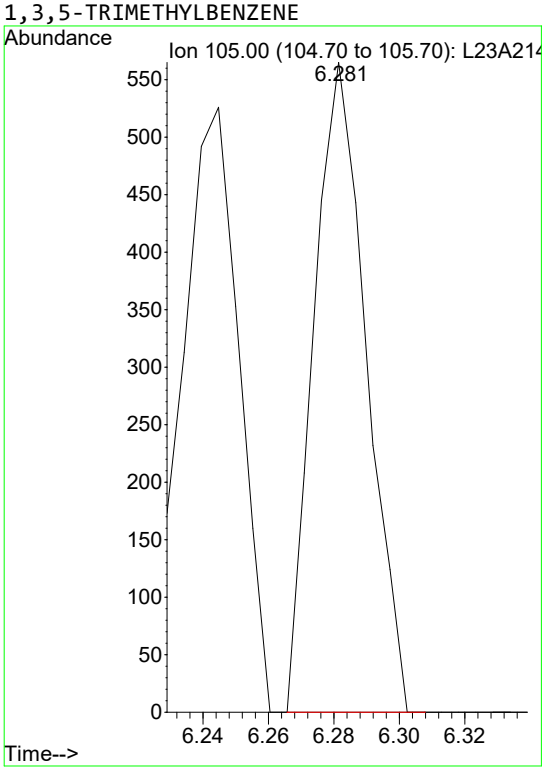
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

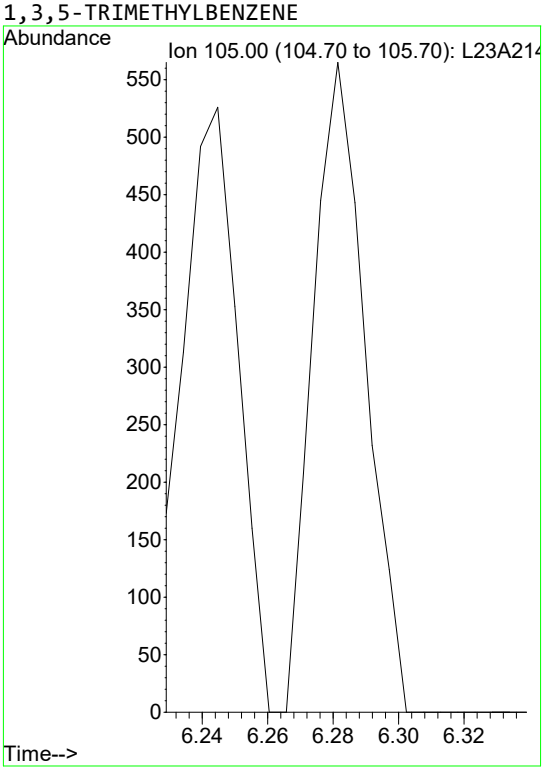
RT : 6.28
Area : 634
Amount: 0.00628605

Manual Int. Results

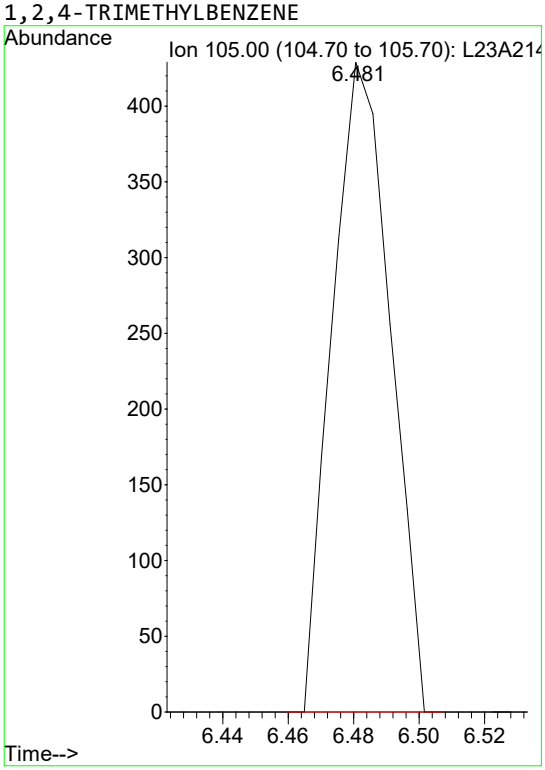
Thu Aug 03 10:52:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

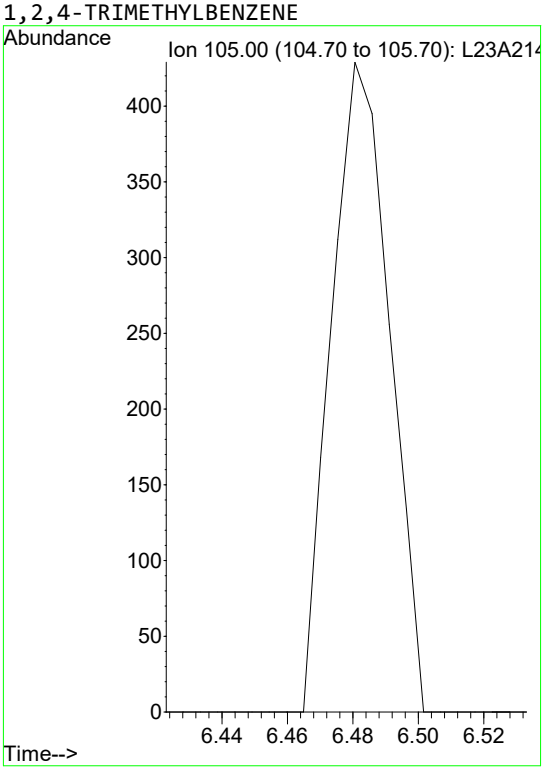
RT : 6.48
Area : 533
Amount: 0.00541468

Manual Int. Results

Thu Aug 03 10:52:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

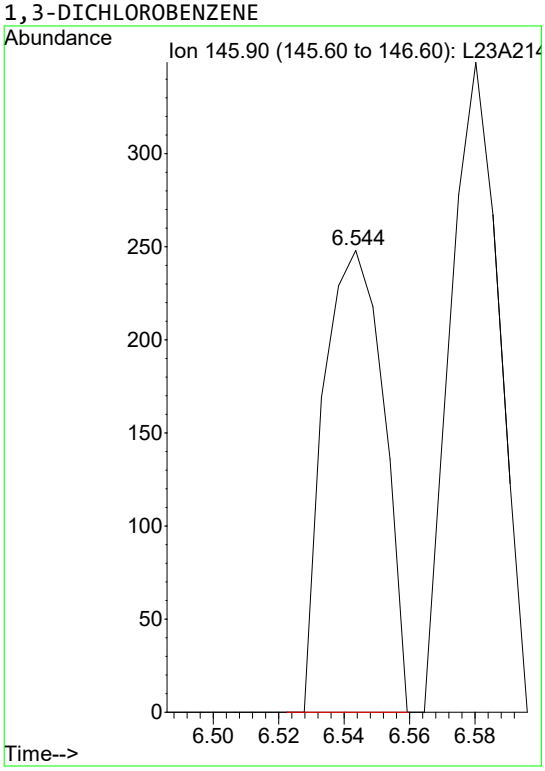
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

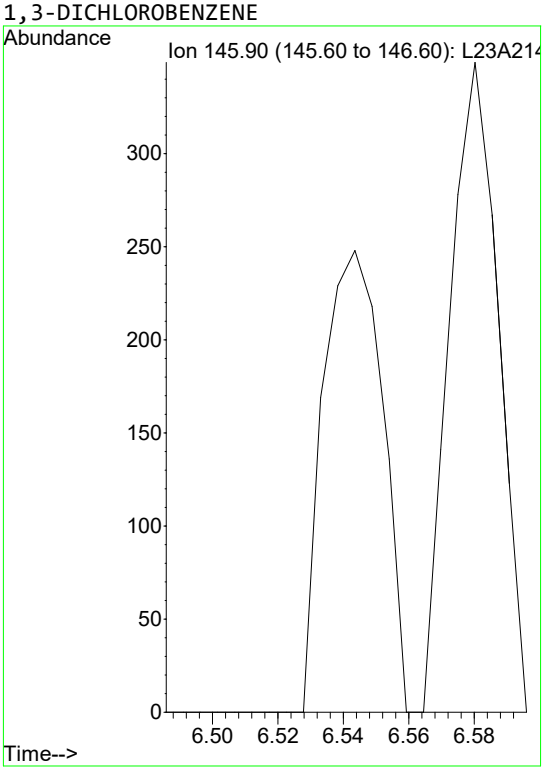
RT : 6.54
Area : 315
Amount: 0.00562419

Manual Int. Results

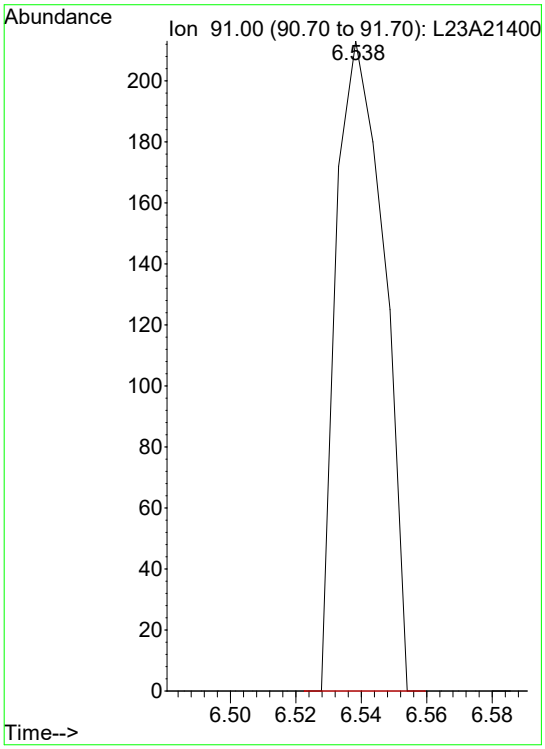
Thu Aug 03 10:52:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

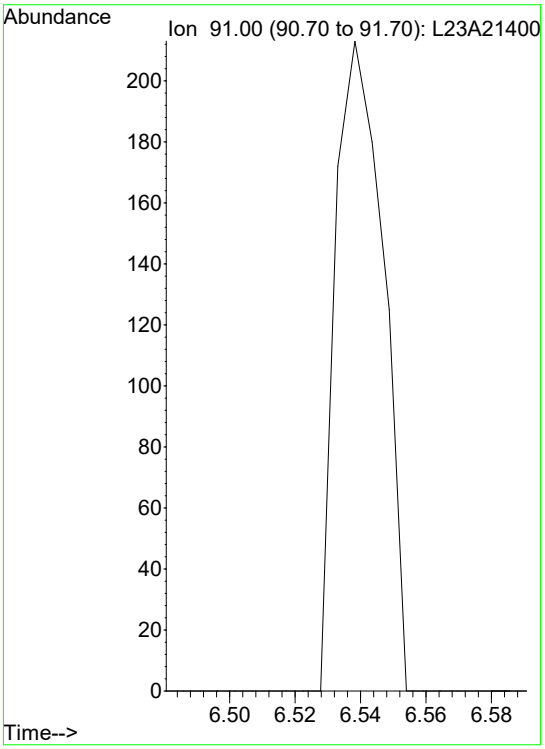
RT : 6.54
Area : 217
Amount: 0.00401672

Manual Int. Results

Thu Aug 03 10:51:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

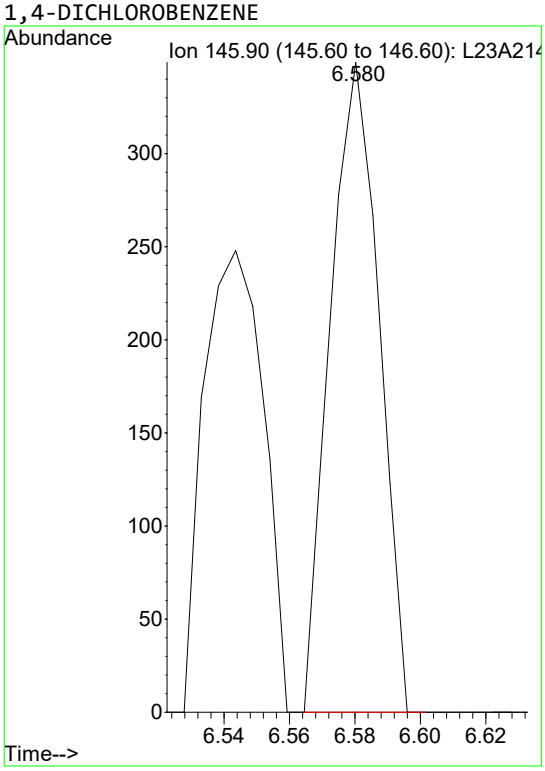
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

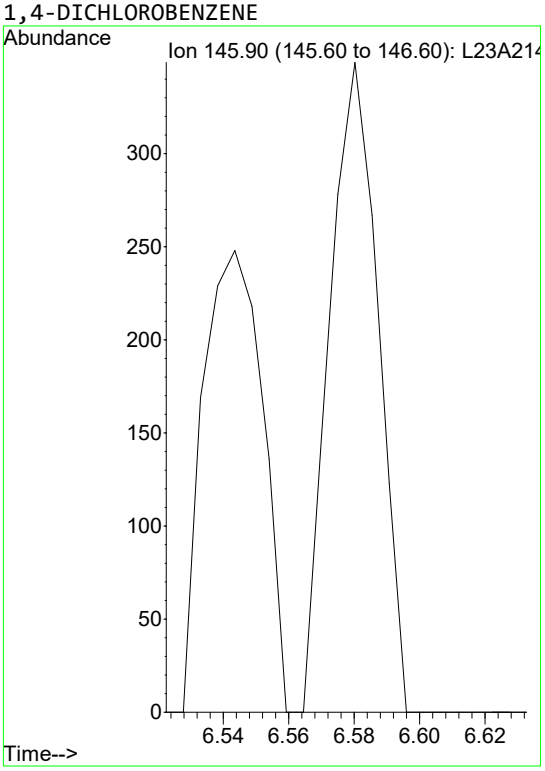
RT : 6.58
Area : 364
Amount: 0.00709249

Manual Int. Results

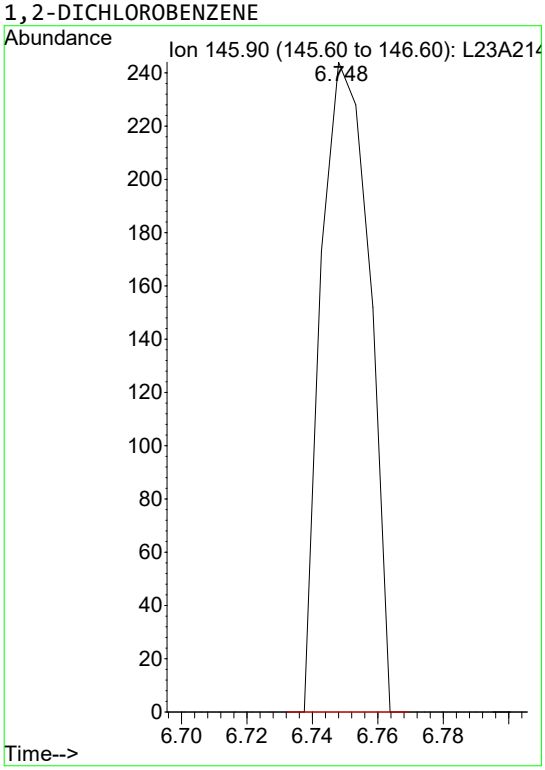
Thu Aug 03 10:51:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DICHLOROBENZENE



Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

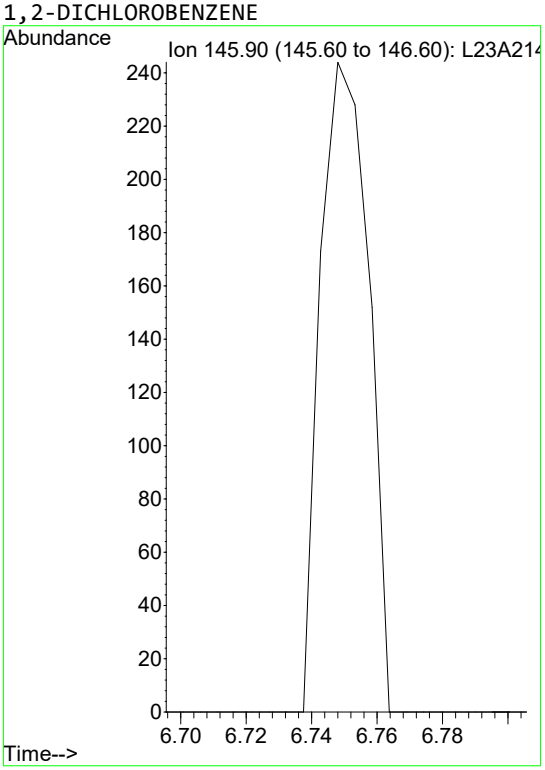
RT : 6.75
Area : 251
Amount: 0.00478258

Manual Int. Results

Thu Aug 03 10:51:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

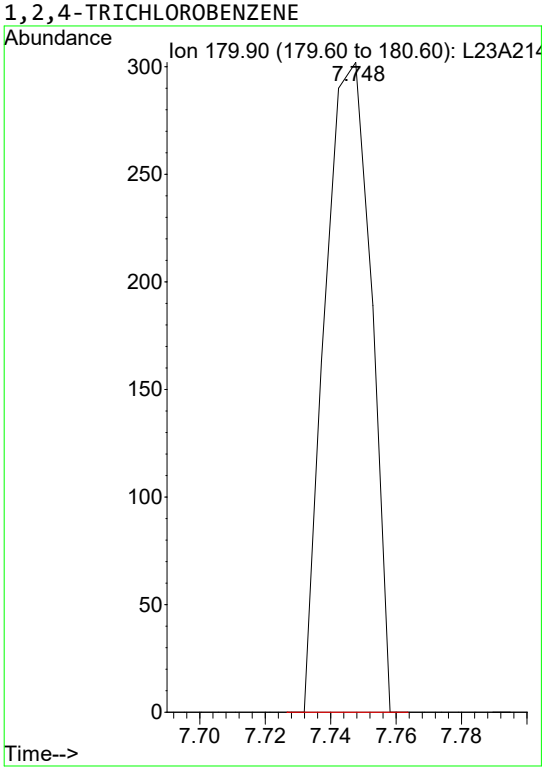
Manual Integration
1,2-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

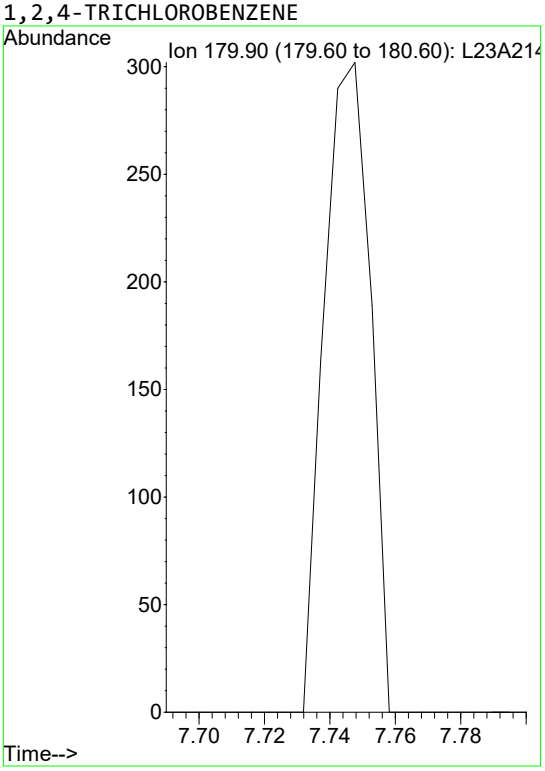
RT : 7.75
Area : 297
Amount: 0.0150022

Manual Int. Results

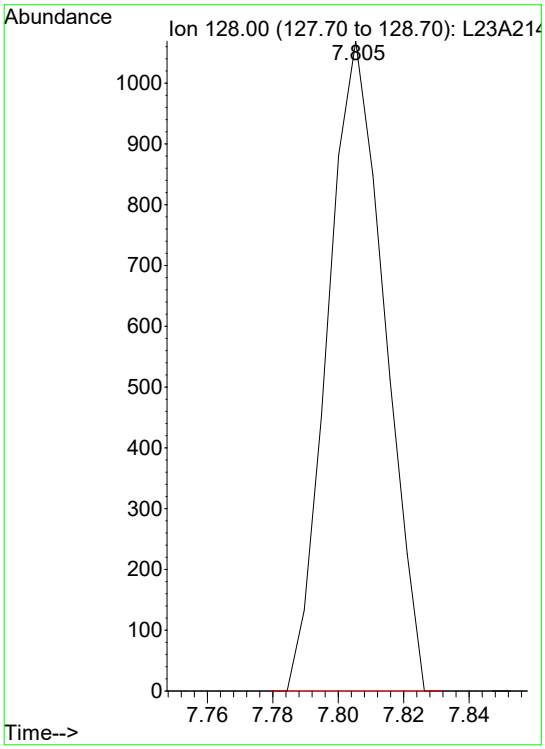
Thu Aug 03 10:51:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

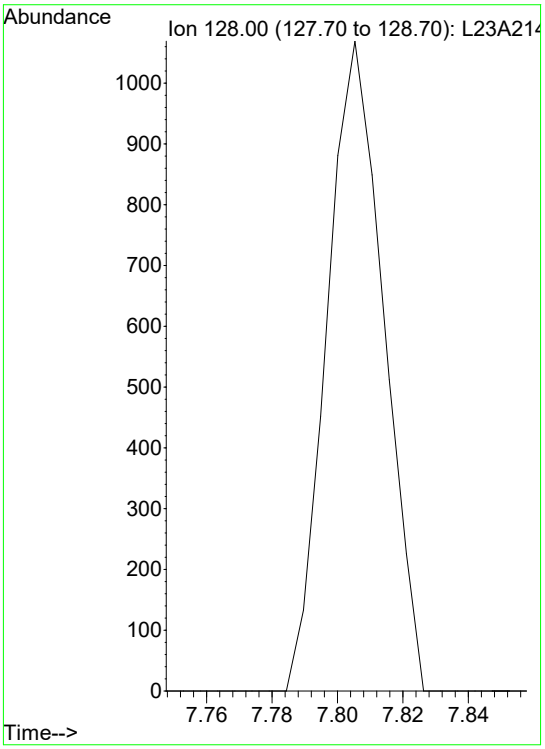
RT : 7.81
Area : 1297
Amount: 0.026754

Manual Int. Results

Thu Aug 03 10:51:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

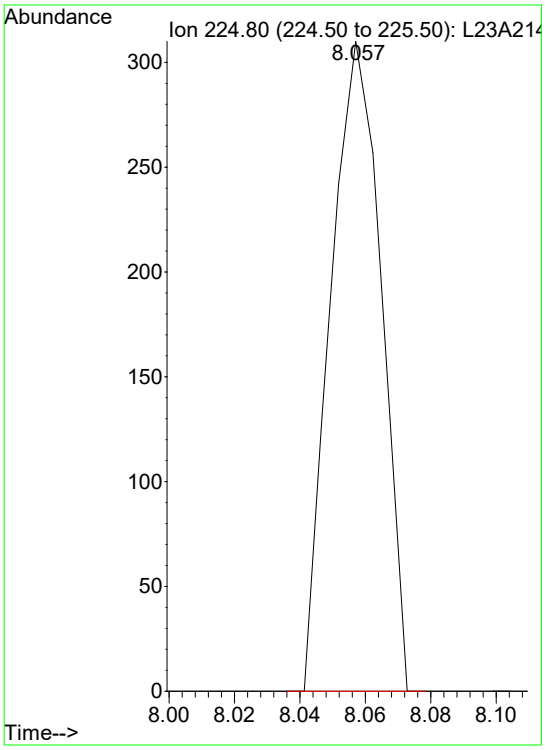
Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214004.D
Acq On : 02 Aug 2023 04:32 pm
Operator : CMR
Sample : 0.005PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:53:53 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

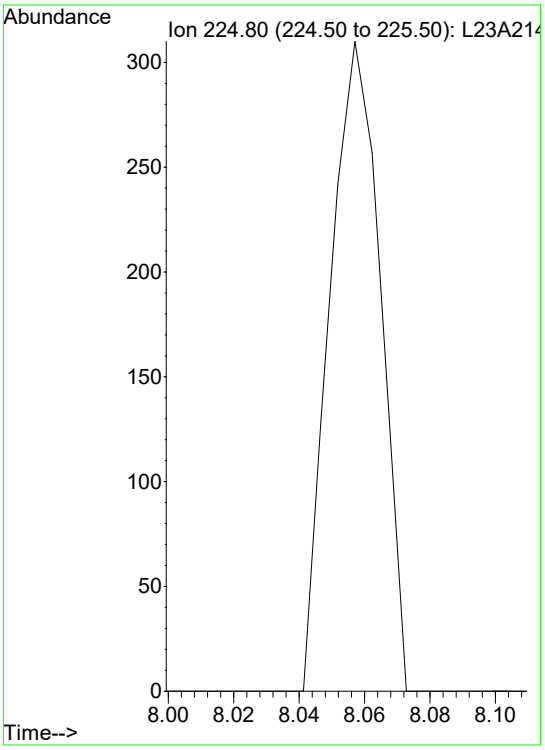
RT : 8.06
Area : 335
Amount: 0.0114932

Manual Int. Results

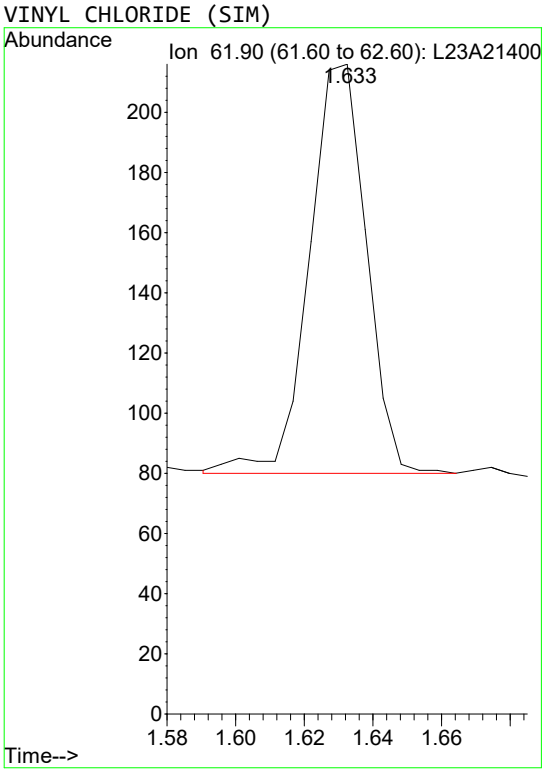
Thu Aug 03 10:51:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Original Integration
VINYL CHLORIDE (SIM)



Original Int. Results

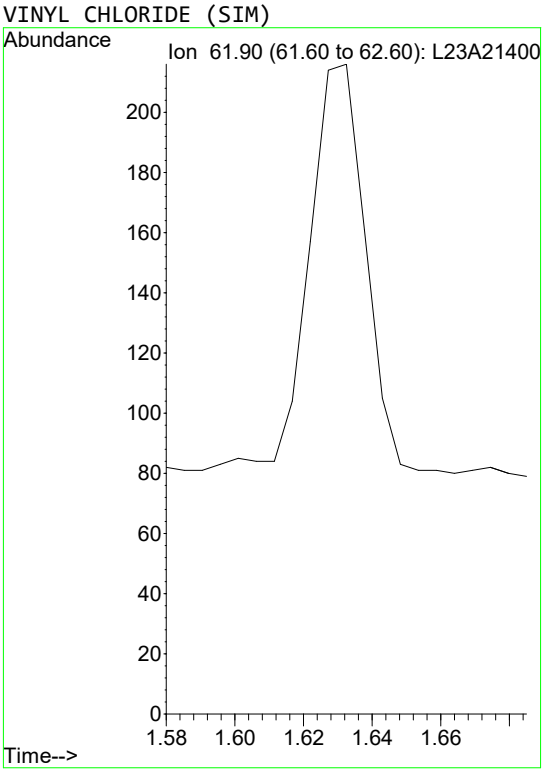
RT : 1.63
Area : 157
Amount: 0.0054612

Manual Int. Results

Thu Aug 03 10:53:52 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL CHLORIDE (SIM)



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214005.D Vial: 2
Acq On : 02 Aug 2023 04:58 pm Operator: CMR
Sample : 0.010PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:25 2023

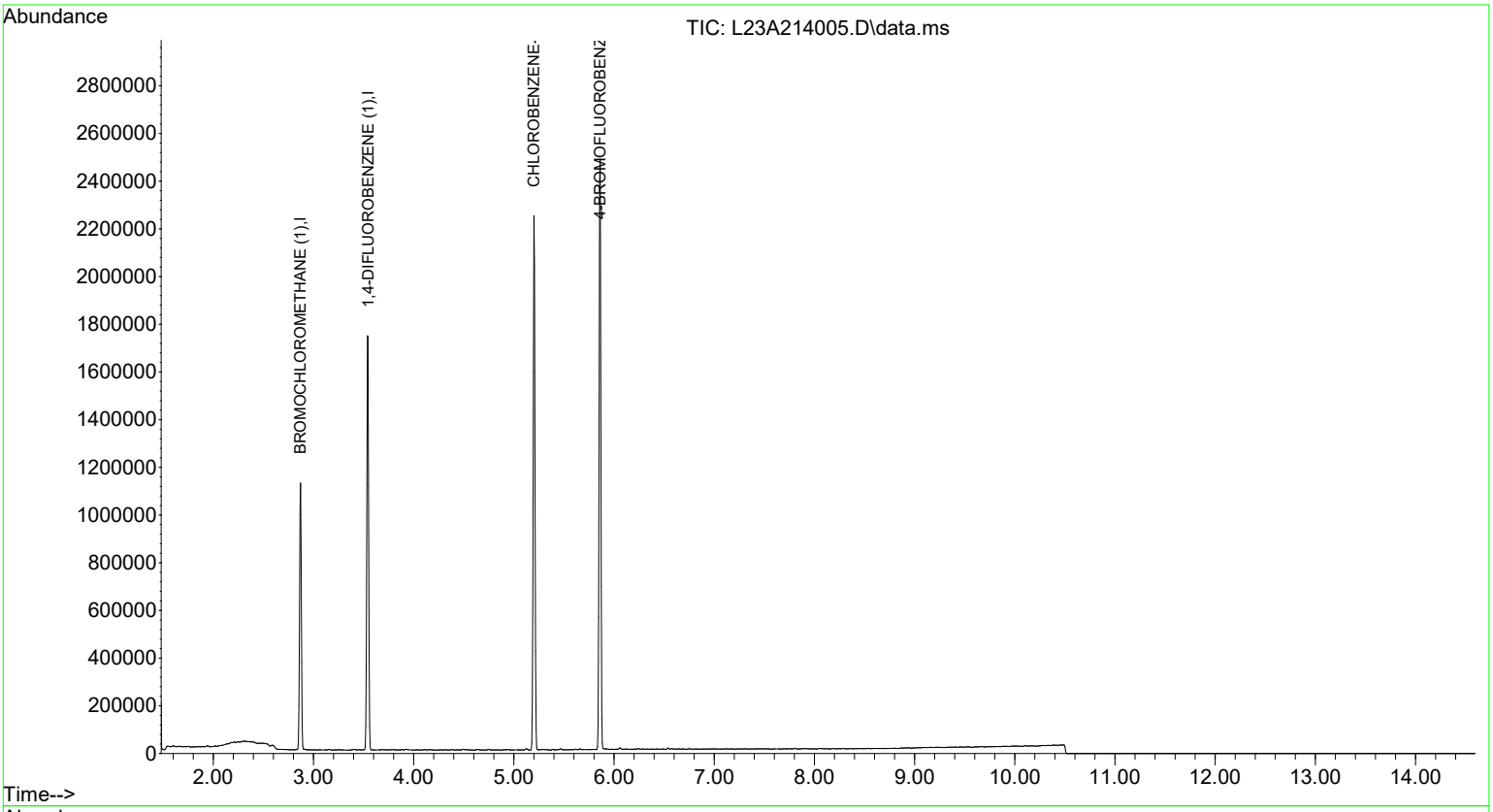
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214005.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

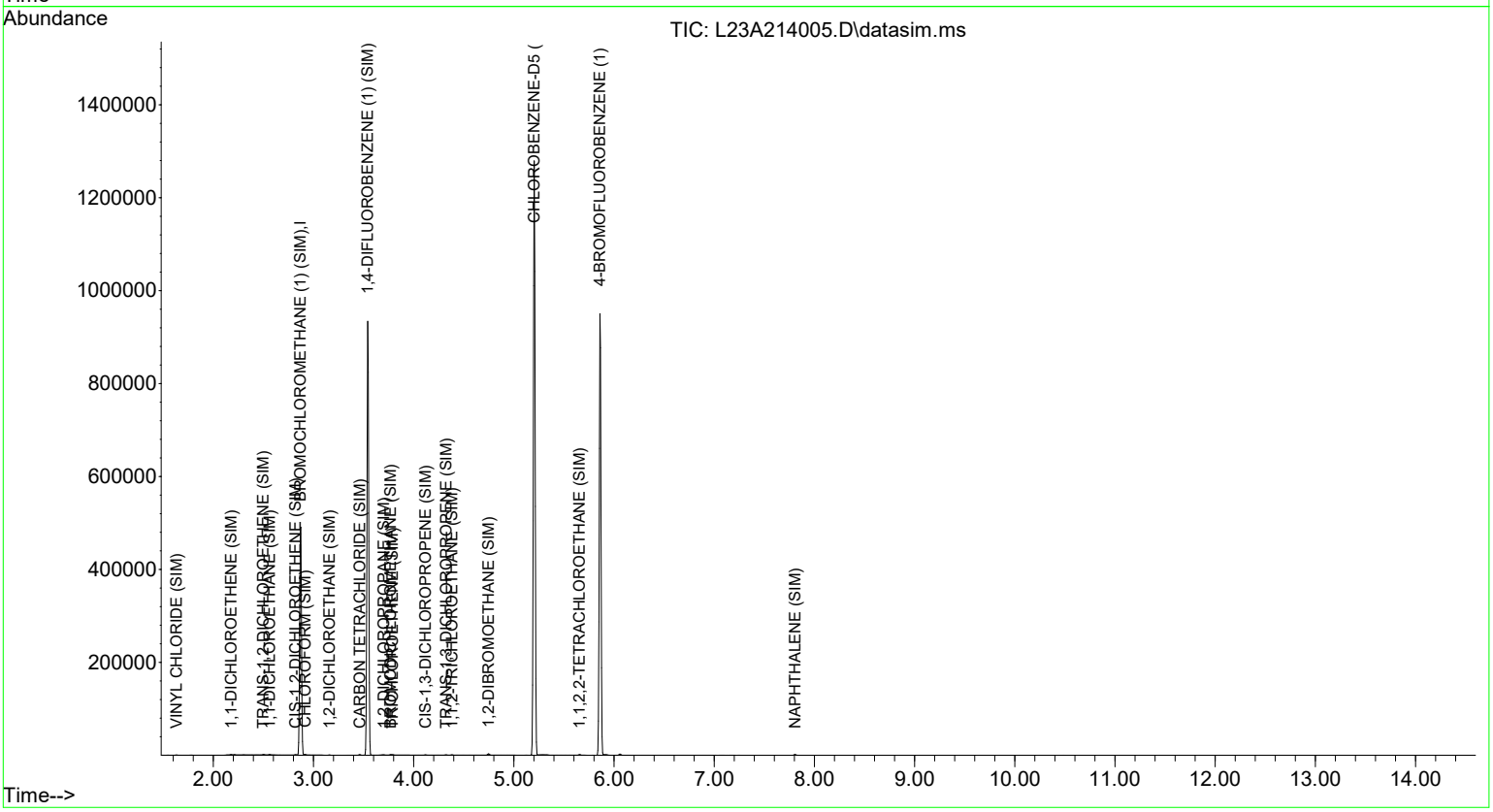
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	333451	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.544	114	927752	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	857860	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	369360	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	972992	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	956675	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	460108	7.957	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	477010	7.810	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 97.63%			
Target Compounds						Qvalue
70] VINYL CHLORIDE (SIM)	1.632	62	311	0.011	PPBV	92
71] 1,1-DICHLOROETHENE (SIM)	2.179	61	534	0.011	PPBV	94
72] TRANS-1,2-DICHLOROETHE...	2.499	61	527	0.011	PPBV	92
73] 1,1-DICHLOROETHANE (SIM)	2.565	63	617	0.011	PPBV	89
74] CIS-1,2-DICHLOROETHENE...	2.820	61	427	0.011	PPBV	96
75] CHLOROFORM (SIM)	2.918	83	664	0.011	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	470	0.012	PPBV	97
78] CARBON TETRACHLORIDE (...	3.460	117	661	0.011	PPBV	98
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	324	0.011	PPBV	98
80] BROMODICHLOROMETHANE (...	3.769	83	709	0.011	PPBV	99
81] TRICHLOROETHENE (SIM)	3.790	95	414	0.011	PPBV	94
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	533	0.012	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.323	75	568	0.014	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	389	0.011	PPBV	100
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	1750	0.029	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	840	0.012	PPBV	99
89] NAPHTHALENE (SIM)	7.808	128	1657	0.032	PPBV	98

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214005.D Vial: 2
Acq On : 02 Aug 2023 04:58 pm Operator: CMR
Sample : 0.010PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:25 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214005.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

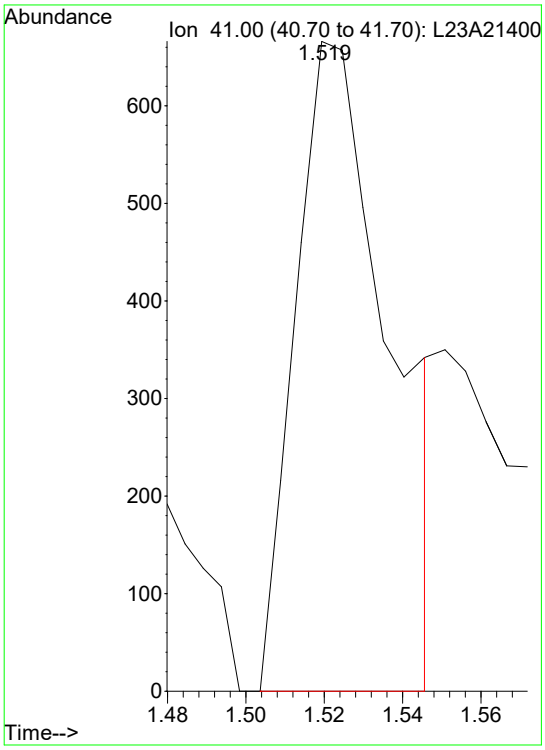




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

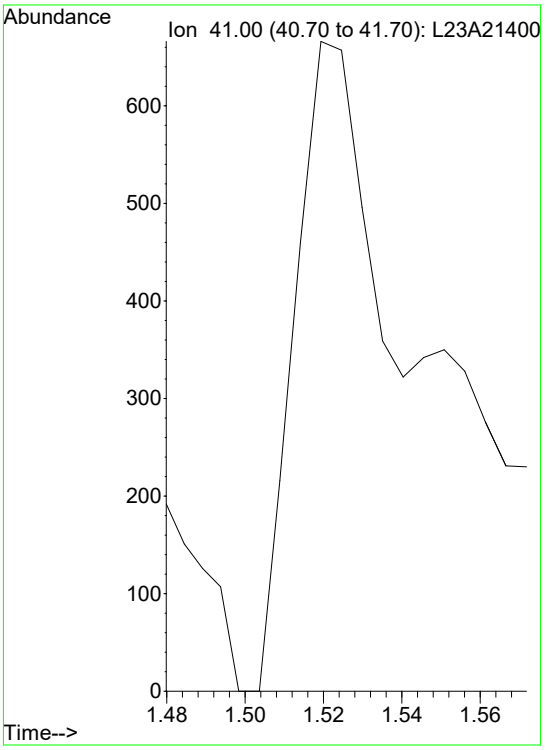
RT : 1.52
Area : 1106
Amount: 0.0681366

Manual Int. Results

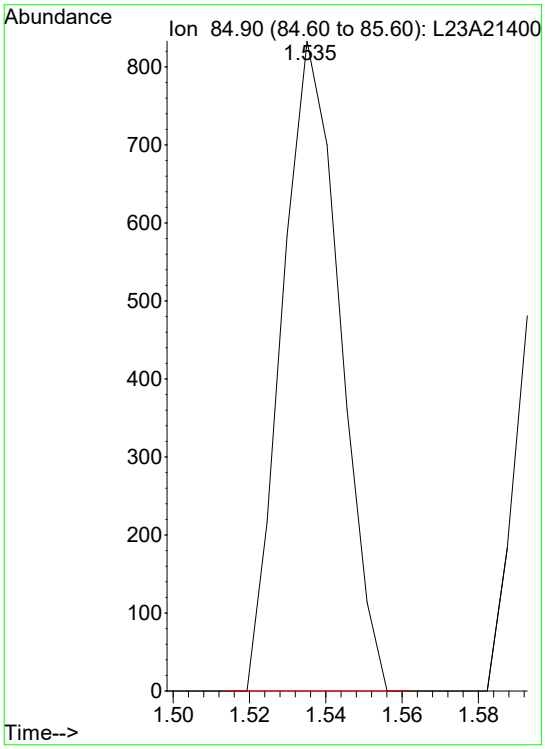
Thu Aug 03 10:48:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

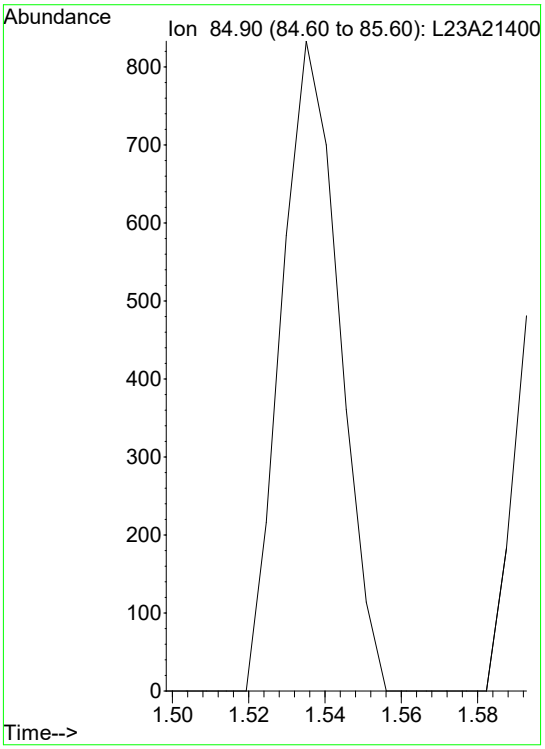
RT : 1.54
Area : 884
Amount: 0.0131278

Manual Int. Results

Thu Aug 03 10:48:01 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

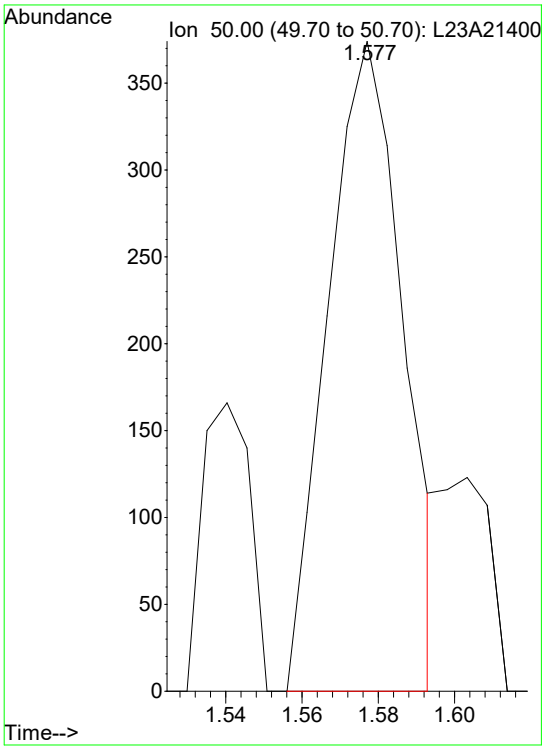
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROMETHANE



Original Int. Results

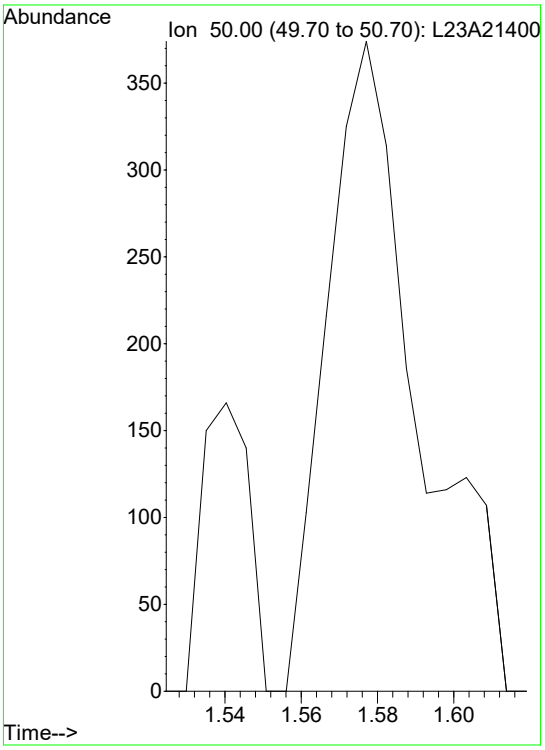
RT : 1.58
Area : 514
Amount: 0.0202261

Manual Int. Results

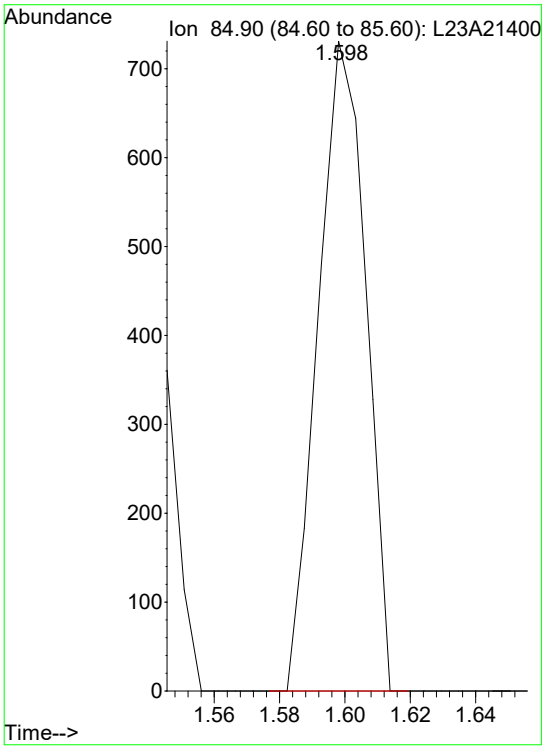
Thu Aug 03 10:47:59 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

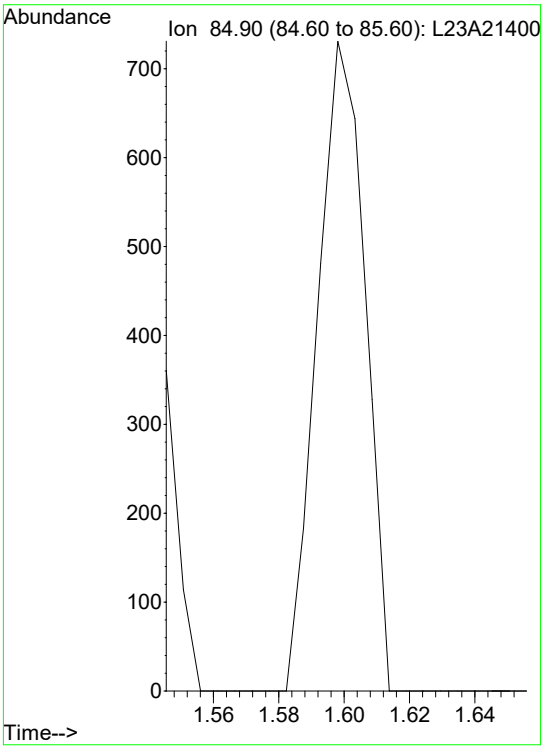
RT : 1.60
Area : 746
Amount: 0.0110122

Manual Int. Results

Thu Aug 03 10:47:58 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

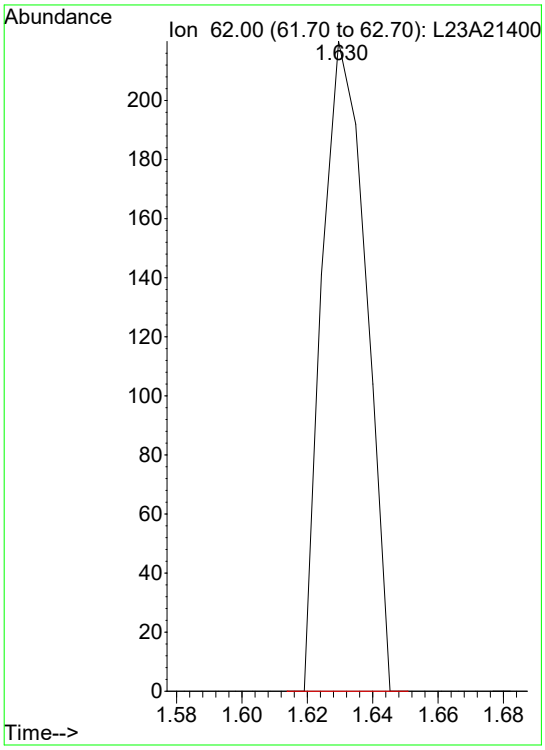
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL CHLORIDE



Original Int. Results

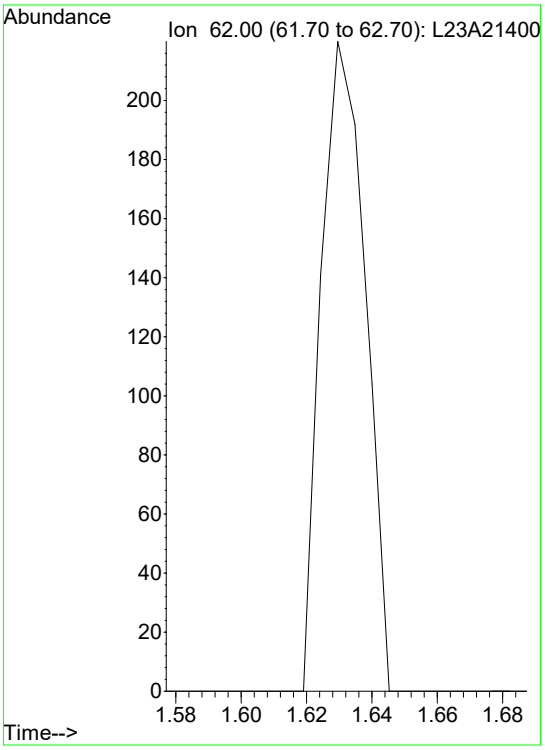
RT : 1.63
Area : 207
Amount: 0.00733419

Manual Int. Results

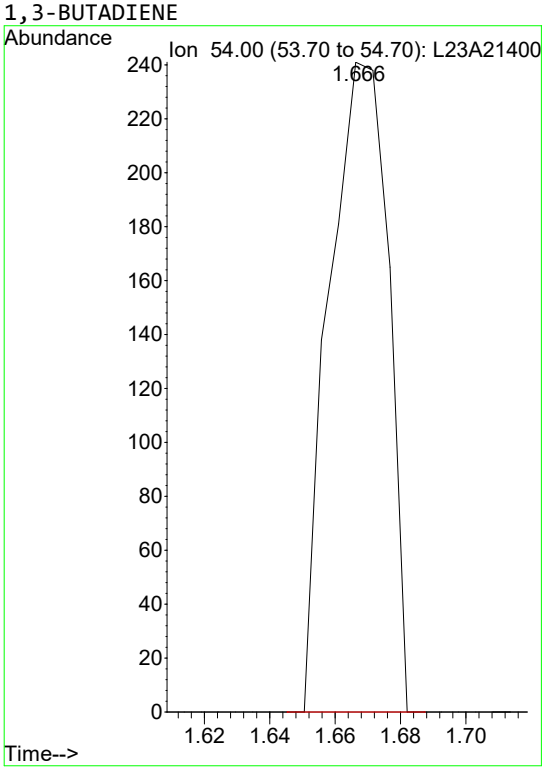
Thu Aug 03 10:47:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL CHLORIDE



Original Integration
1,3-BUTADIENE



Original Int. Results

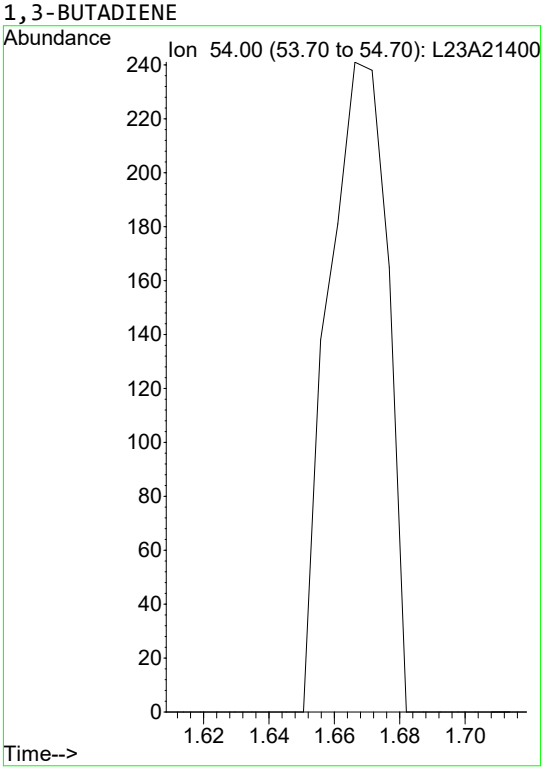
RT : 1.67
Area : 303
Amount: 0.014472

Manual Int. Results

Thu Aug 03 10:47:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

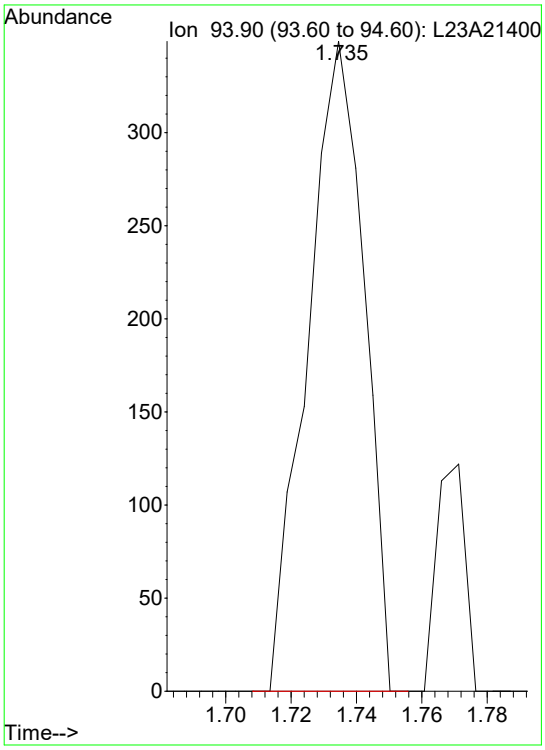
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BROMOMETHANE



Original Int. Results

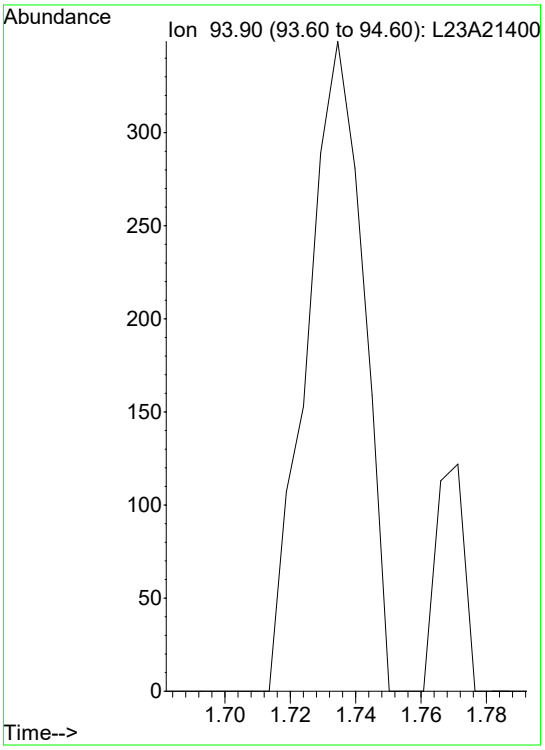
RT : 1.73
Area : 421
Amount: 0.0174248

Manual Int. Results

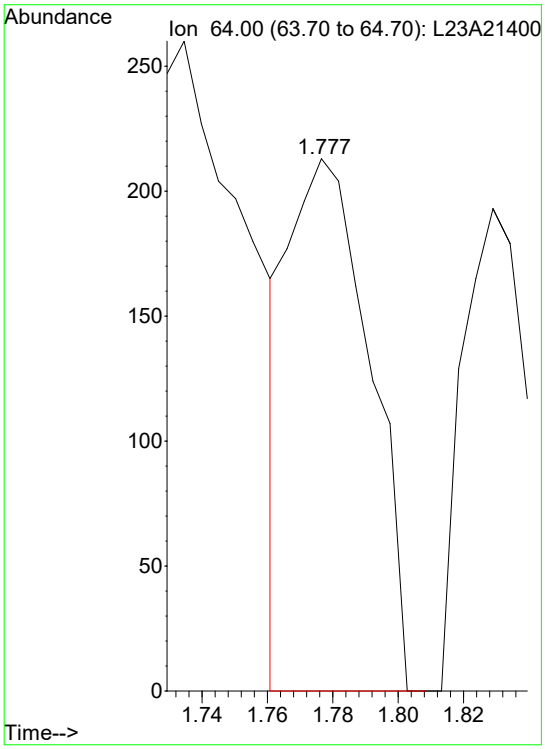
Thu Aug 03 10:47:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

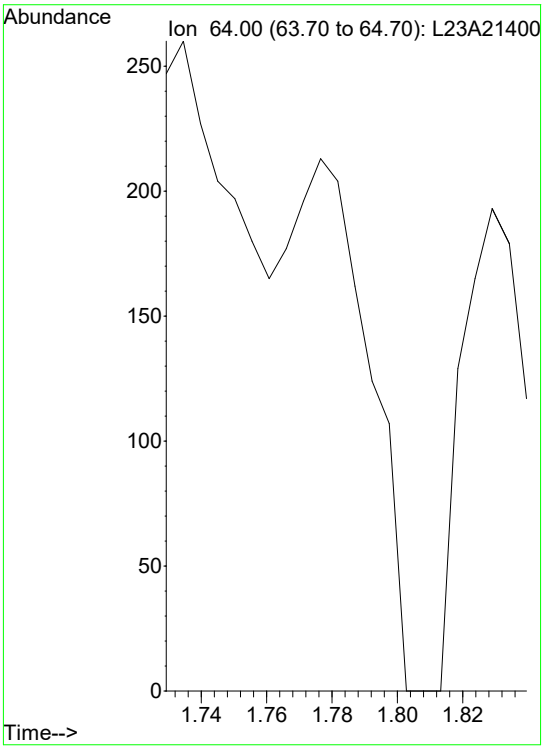
RT : 1.78
Area : 373
Amount: 0.024318

Manual Int. Results

Thu Aug 03 10:47:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

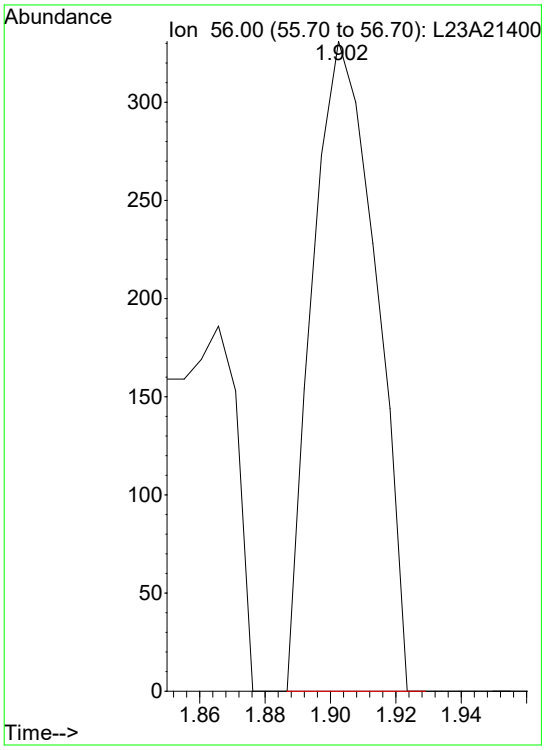
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ACROLEIN



Original Int. Results

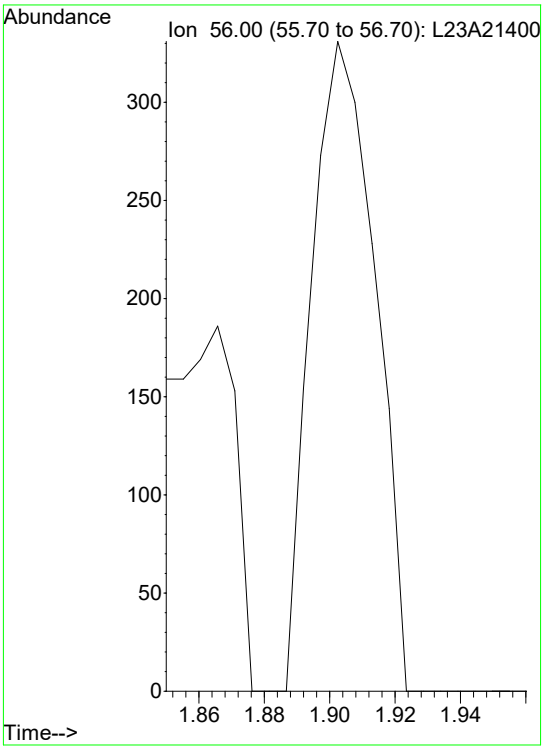
RT : 1.90
Area : 450
Amount: 0.035

Manual Int. Results

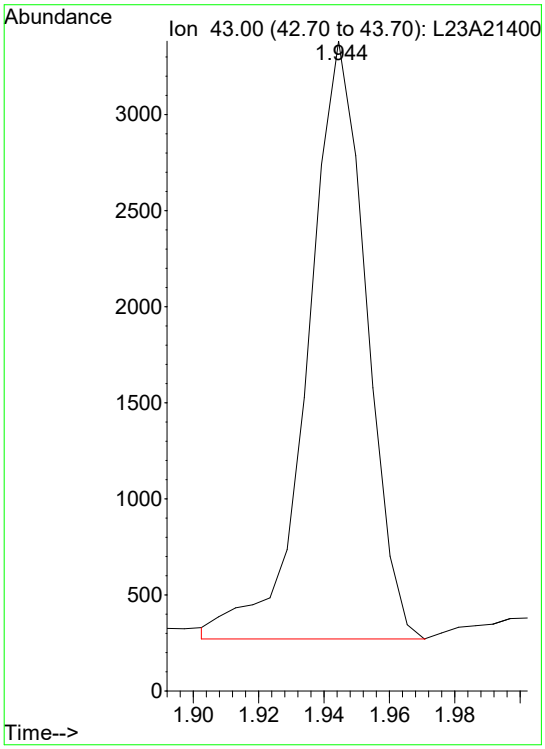
Thu Aug 03 10:47:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACROLEIN



Original Integration
ACETONE



Original Int. Results

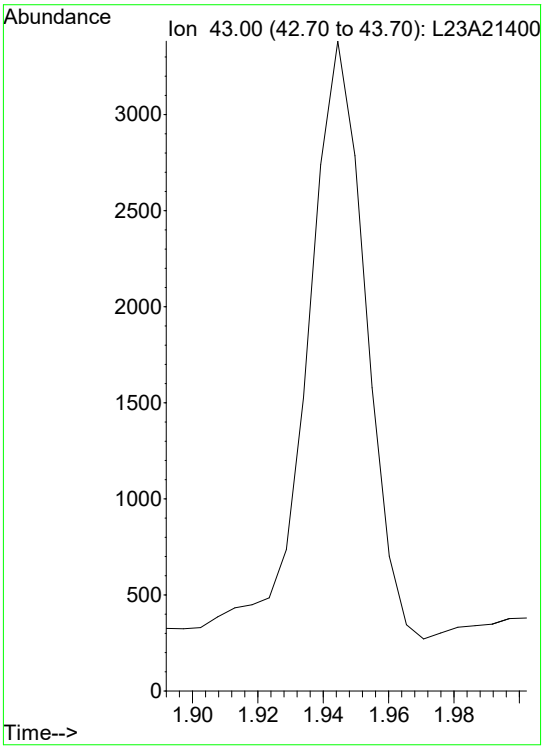
RT : 1.94
Area : 3873
Amount: 0.0809651

Manual Int. Results

Thu Aug 03 10:47:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

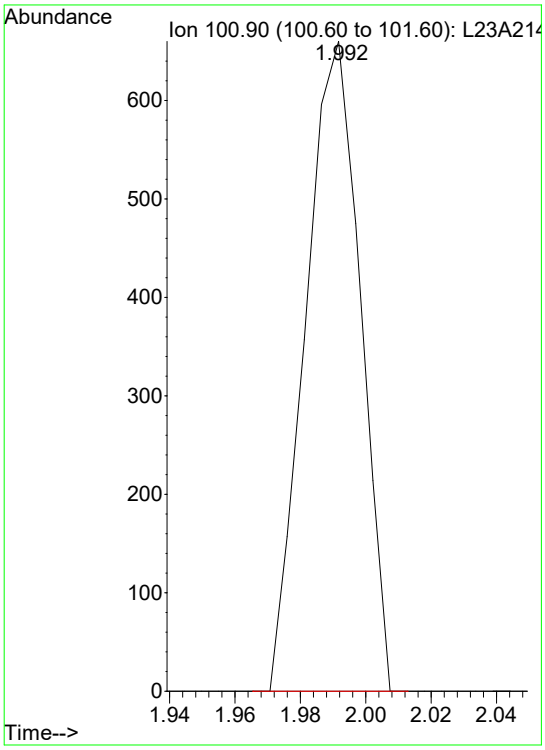
Manual Integration
ACETONE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

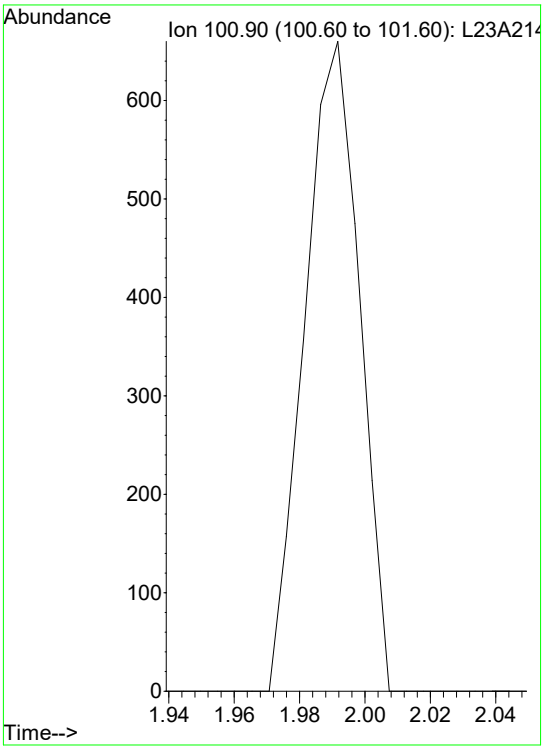
RT : 1.99
Area : 774
Amount: 0.0111335

Manual Int. Results

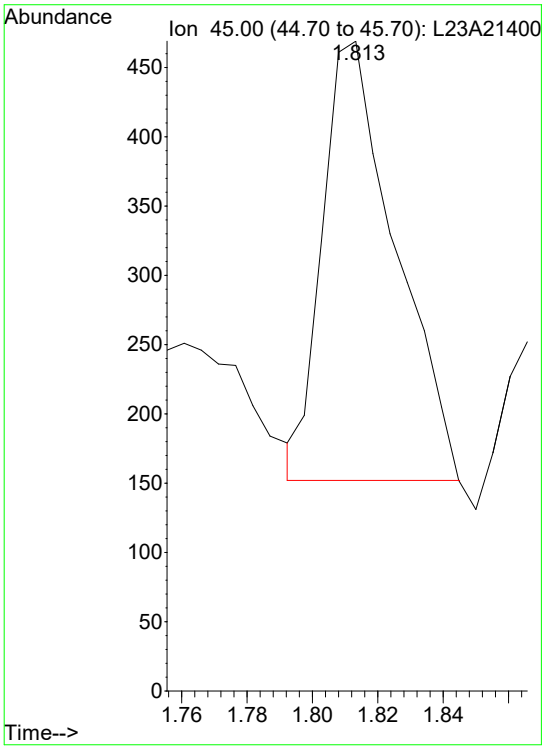
Thu Aug 03 10:47:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROFLUOROMETHANE



Original Integration
ETHANOL



Original Int. Results

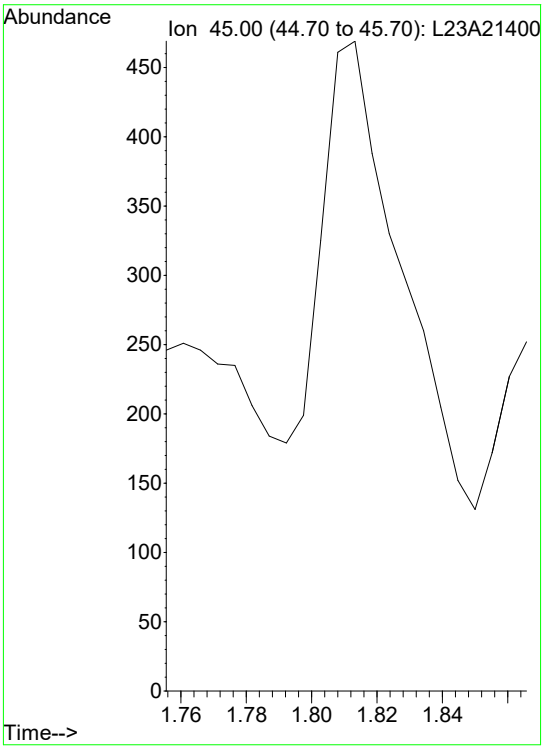
RT : 1.81
Area : 493
Amount: 0.0536978

Manual Int. Results

Thu Aug 03 10:47:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

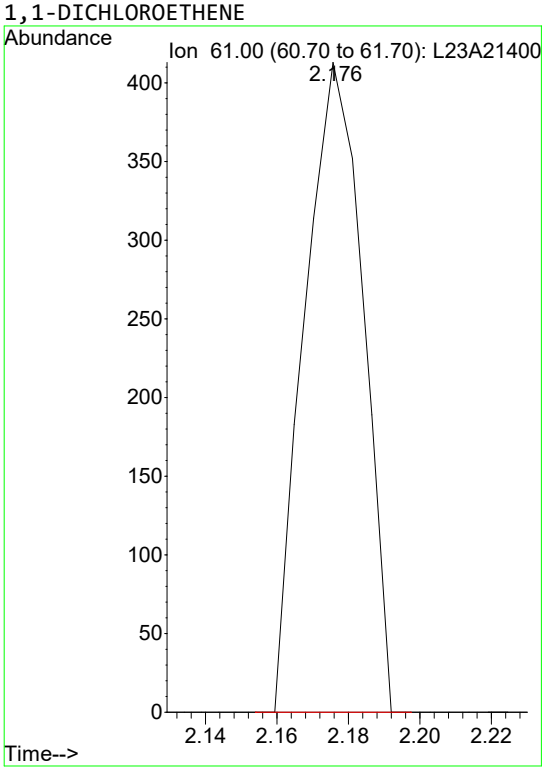
Manual Integration
ETHANOL



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

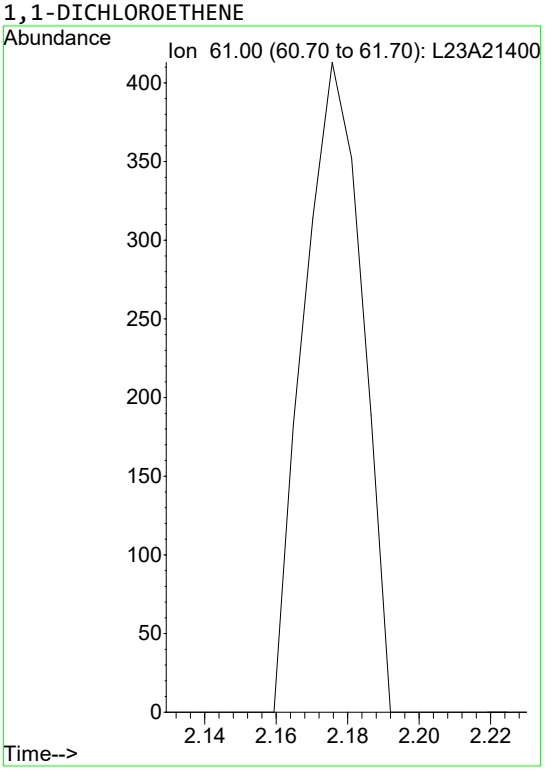
RT : 2.18
Area : 473
Amount: 0.0103056

Manual Int. Results

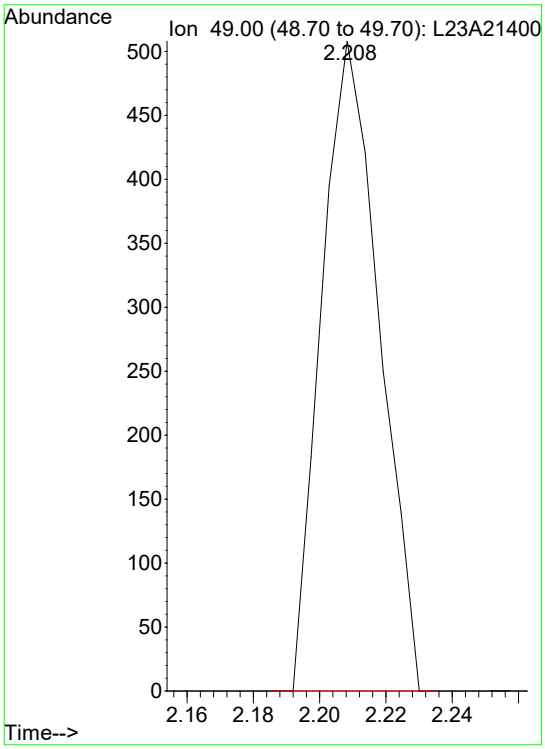
Thu Aug 03 10:47:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
METHYLENE CHLORIDE



Original Int. Results

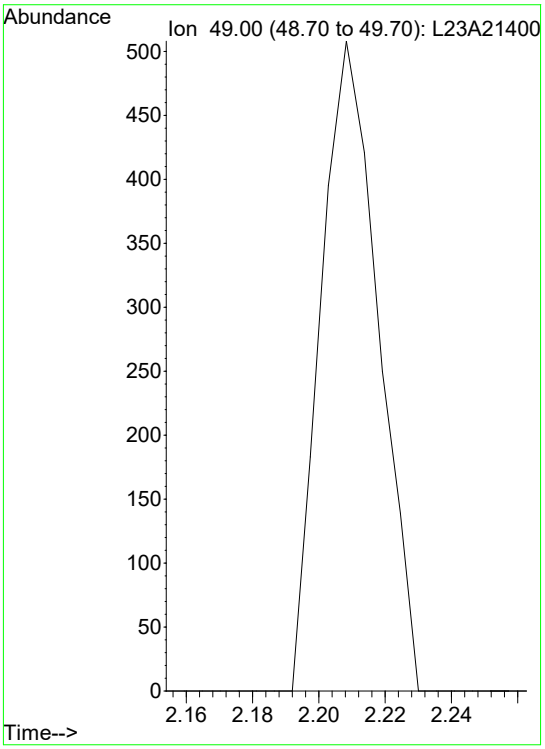
RT : 2.21
Area : 619
Amount: 0.018609

Manual Int. Results

Thu Aug 03 10:47:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

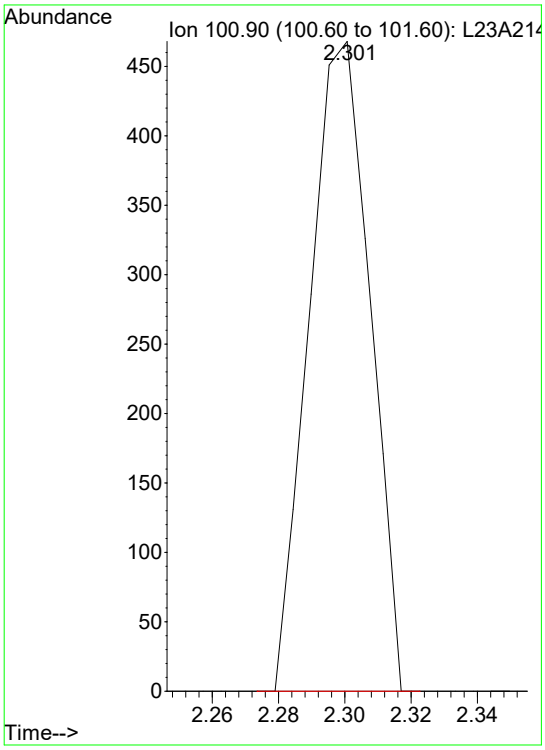
Manual Integration
METHYLENE CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
FREON 113



Original Int. Results

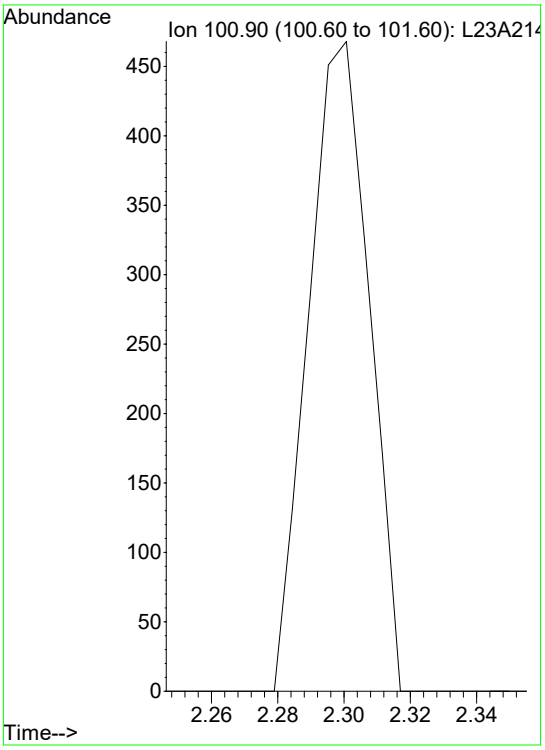
RT : 2.30
Area : 598
Amount: 0.0107059

Manual Int. Results

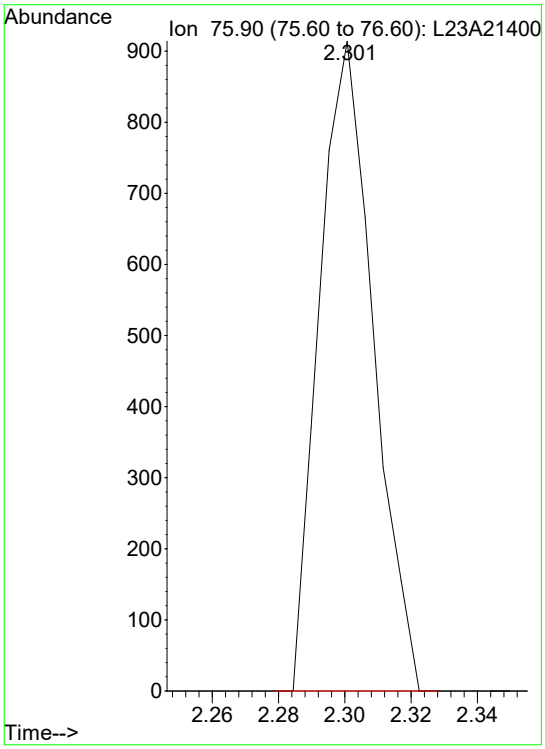
Thu Aug 03 10:42:16 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 113



Original Integration
CARBON DISULFIDE



Original Int. Results

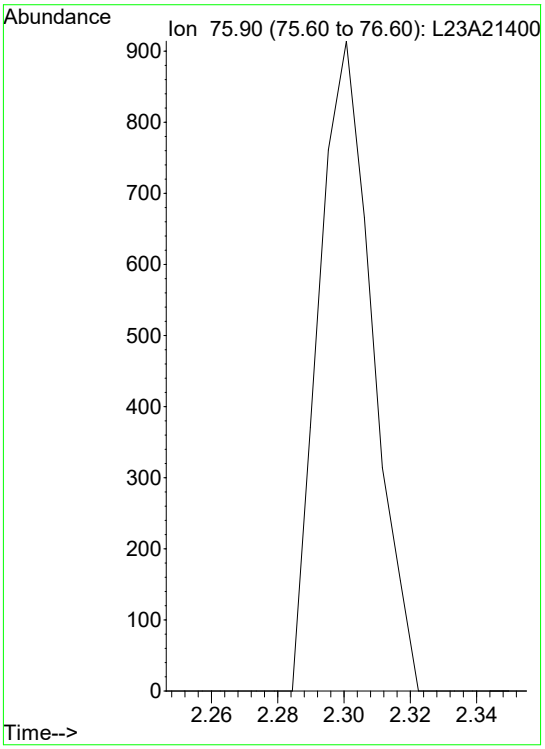
RT : 2.30
Area : 1038
Amount: 0.0128319

Manual Int. Results

Thu Aug 03 10:42:14 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

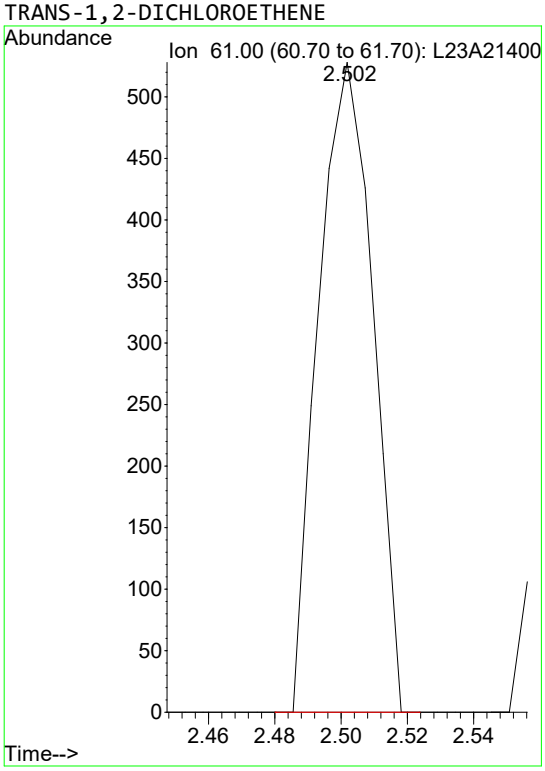
Manual Integration
CARBON DISULFIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRANS-1,2-DICHLOROETHENE



Original Int. Results

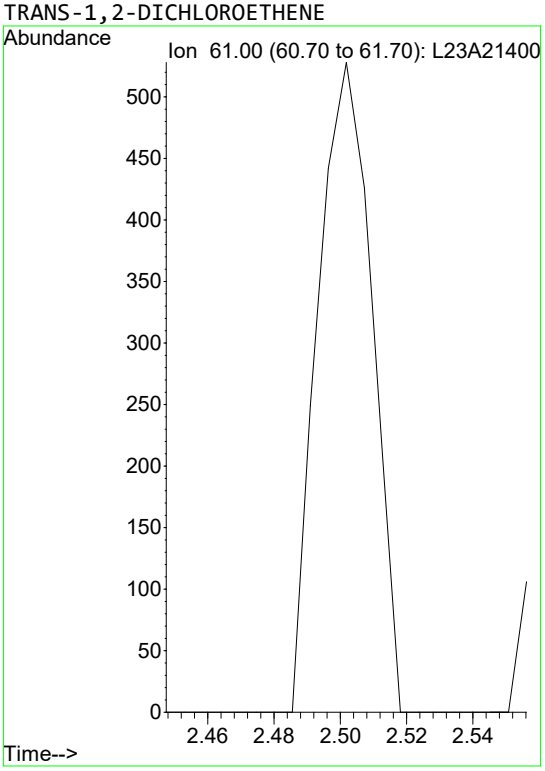
RT : 2.50
Area : 605
Amount: 0.0138098

Manual Int. Results

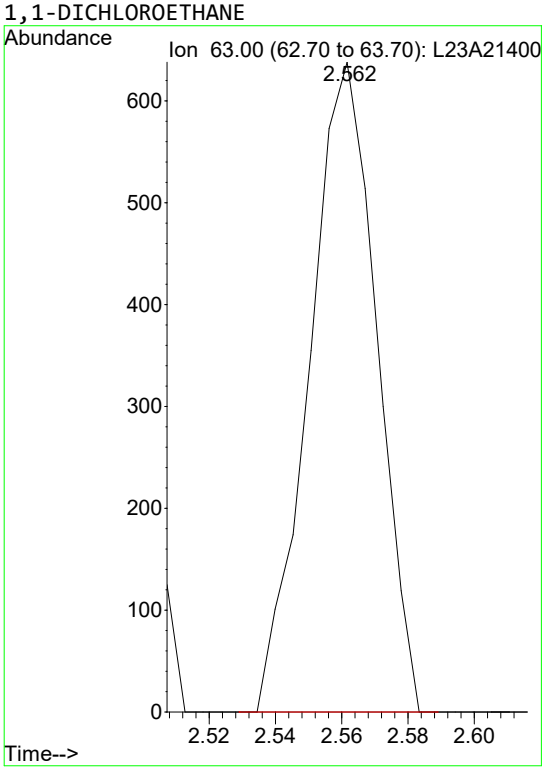
Thu Aug 03 10:42:13 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRANS-1,2-DICHLOROETHENE



Original Integration
1,1-DICHLOROETHANE



Original Int. Results

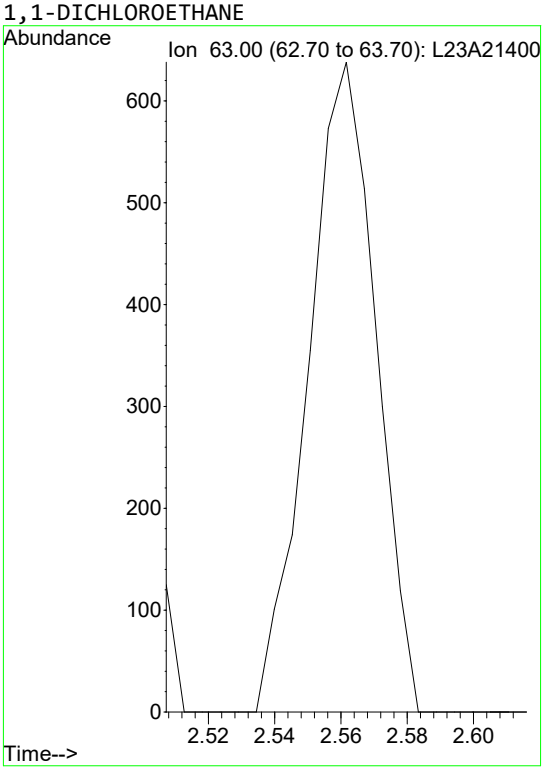
RT : 2.56
Area : 905
Amount: 0.0168983

Manual Int. Results

Thu Aug 03 10:42:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

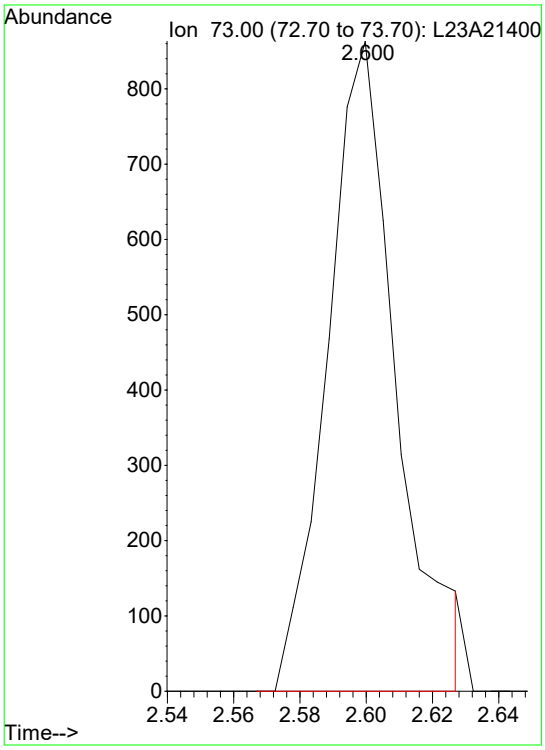
Manual Integration
1,1-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
MTBE



Original Int. Results

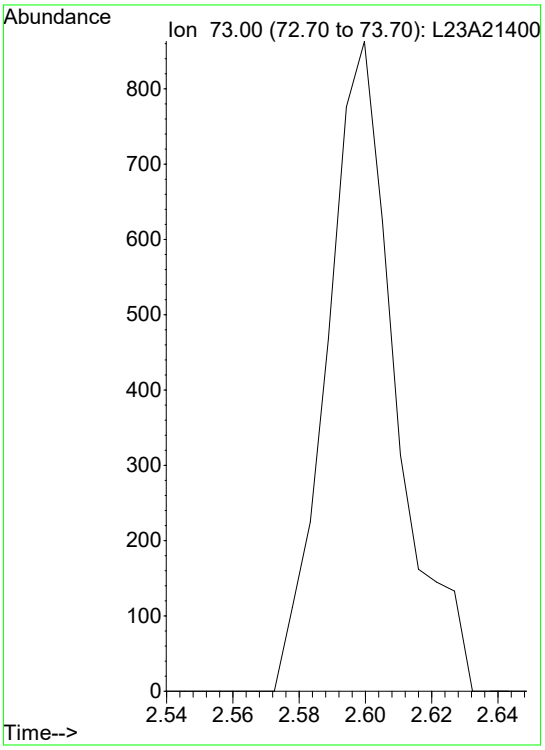
RT : 2.60
Area : 1247
Amount: 0.0142636

Manual Int. Results

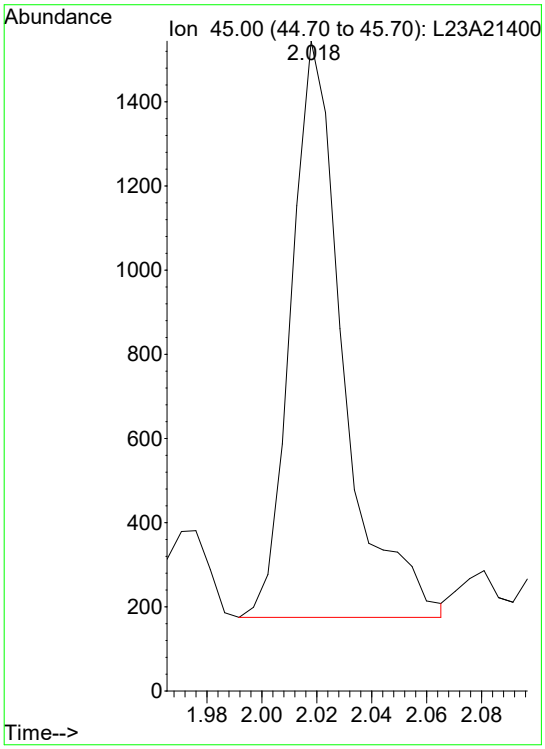
Thu Aug 03 10:42:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MTBE



Original Integration
IPA



Original Int. Results

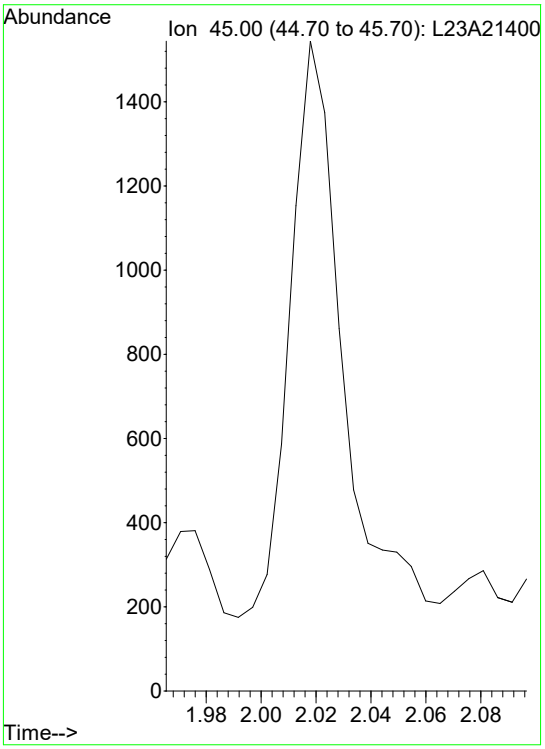
RT : 2.02
Area : 1813
Amount: 0.0374152

Manual Int. Results

Thu Aug 03 10:42:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

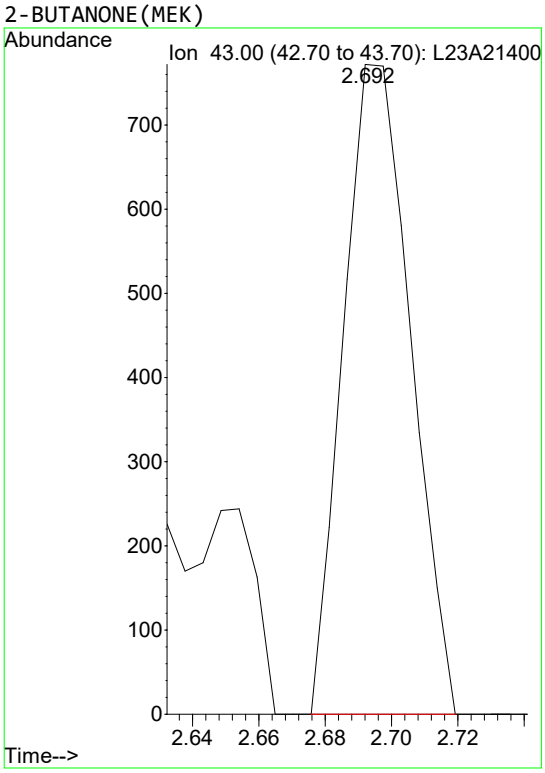
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

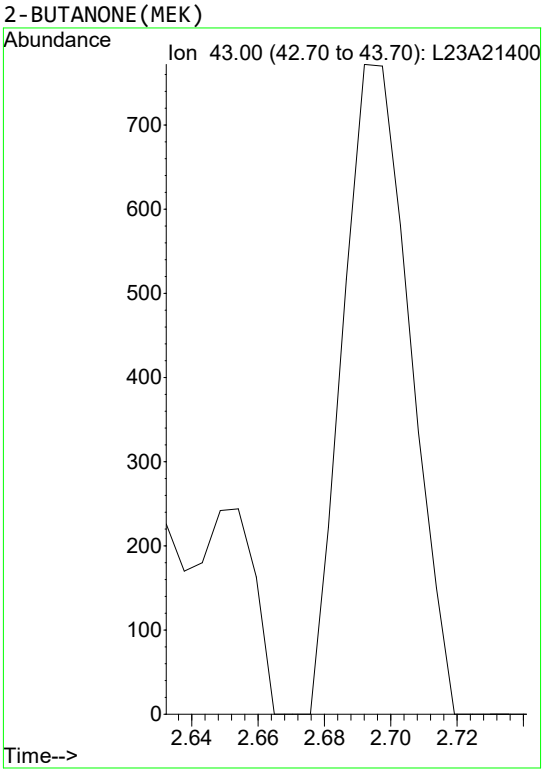
RT : 2.69
Area : 1091
Amount: 0.0208198

Manual Int. Results

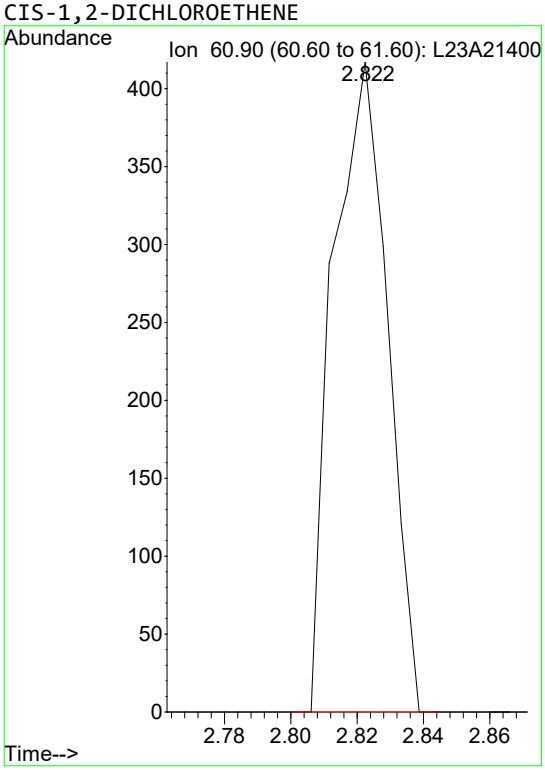
Thu Aug 03 10:42:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

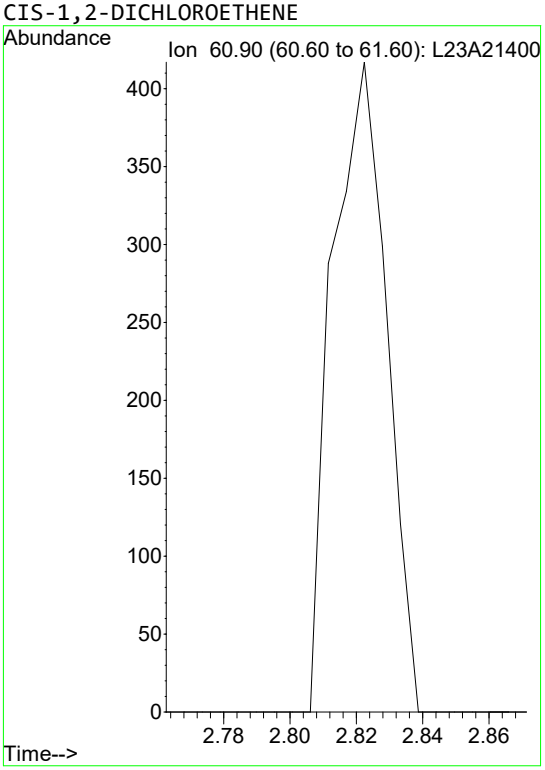
RT : 2.82
Area : 475
Amount: 0.0128031

Manual Int. Results

Thu Aug 03 10:42:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

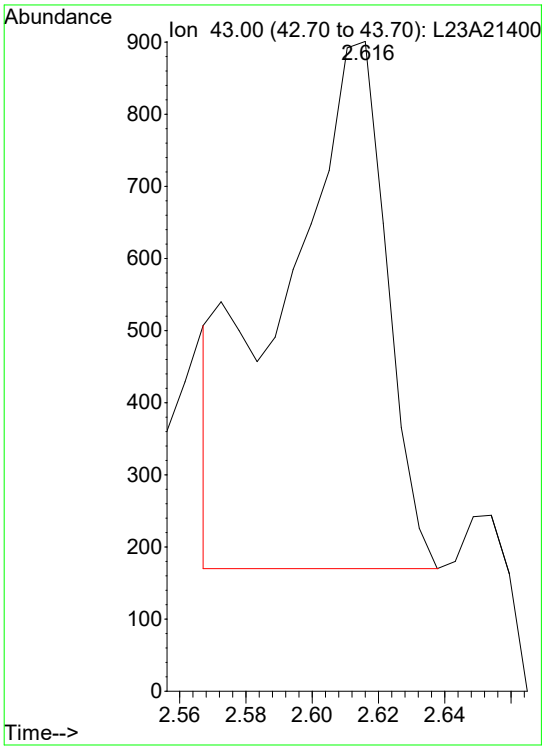
Manual Integration
CIS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

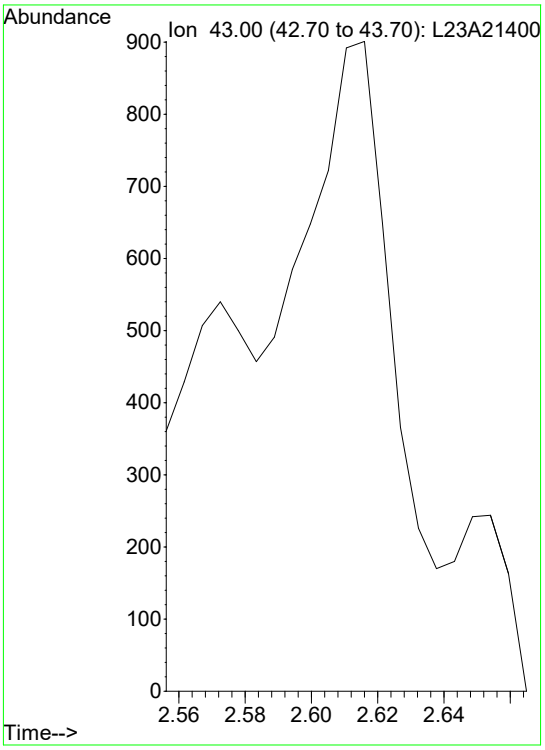
RT : 2.62
Area : 1610
Amount: 0.0271061

Manual Int. Results

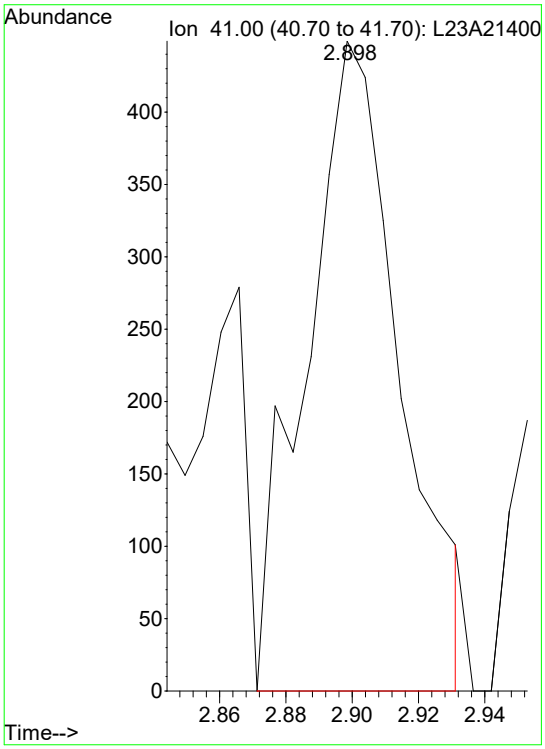
Thu Aug 03 10:42:04 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Original Integration
HEXANE



Original Int. Results

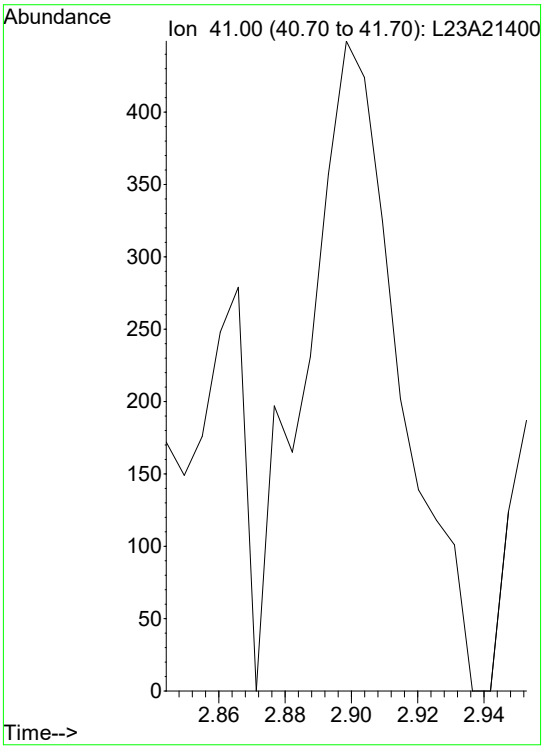
RT : 2.90
Area : 883
Amount: 0.029592

Manual Int. Results

Thu Aug 03 10:42:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

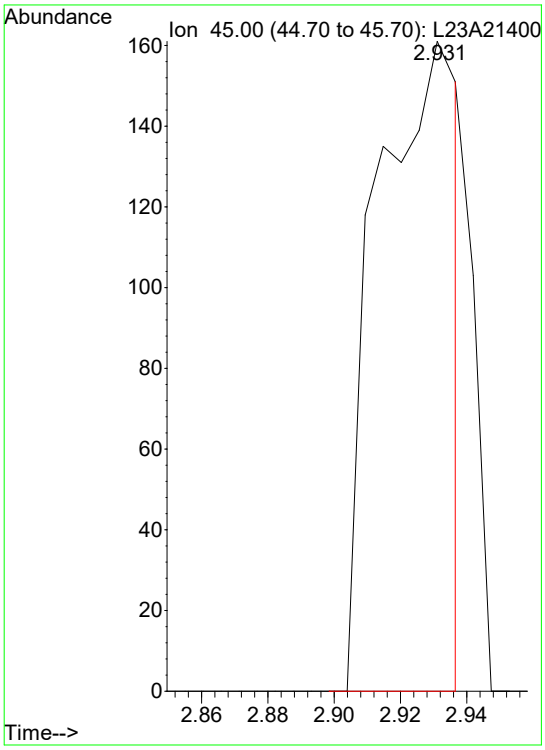
Manual Integration
HEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHYL ACETATE



Original Int. Results

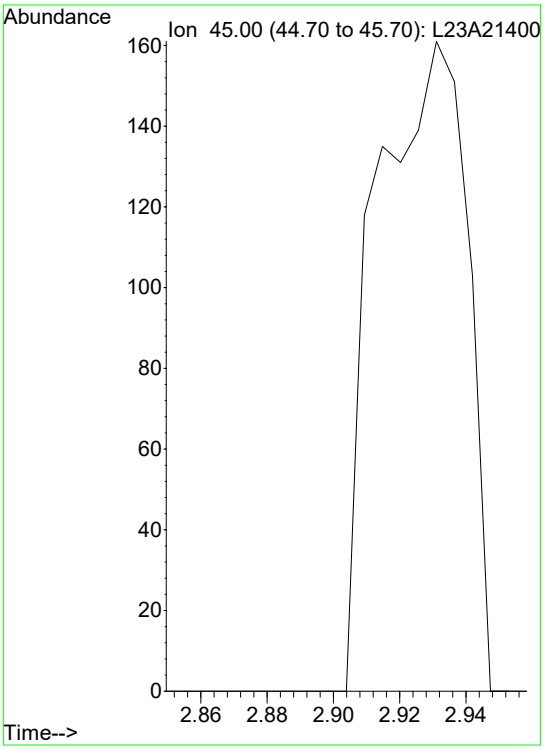
RT : 2.93
Area : 272
Amount: 0.0273081

Manual Int. Results

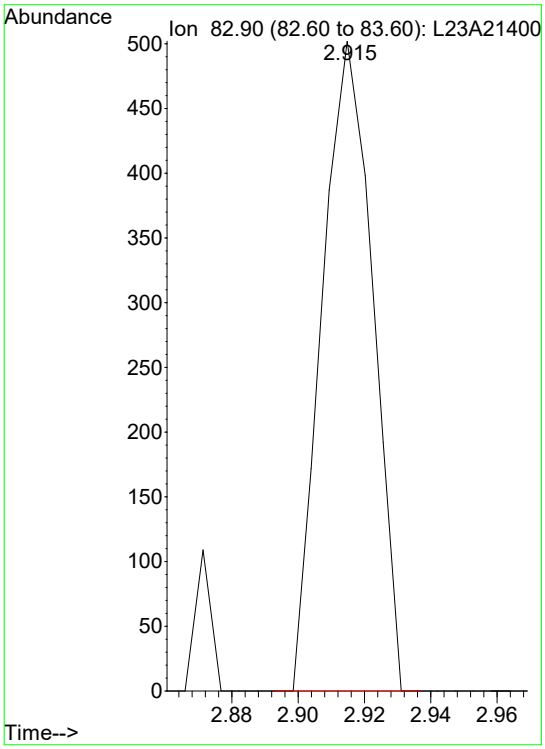
Thu Aug 03 10:42:01 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL ACETATE



Original Integration
CHLOROFORM



Original Int. Results

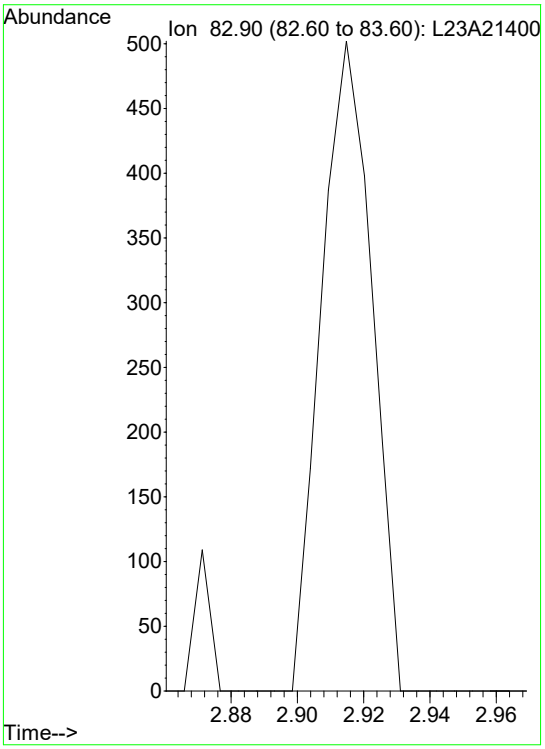
RT : 2.91
Area : 538
Amount: 0.00920831

Manual Int. Results

Thu Aug 03 10:42:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

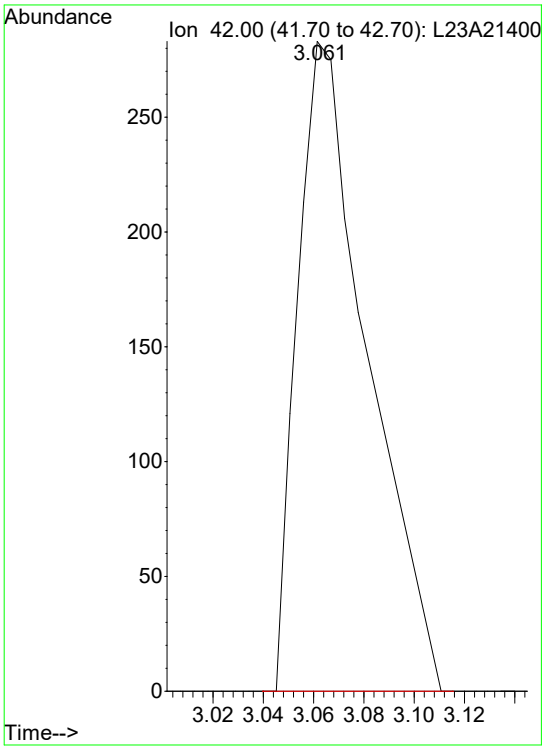
Manual Integration
CHLOROFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

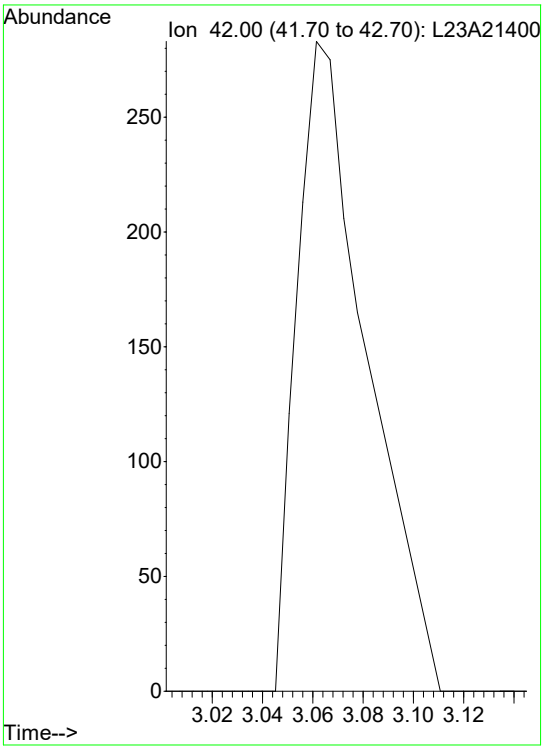
RT : 3.06
Area : 637
Amount: 0.0158136

Manual Int. Results

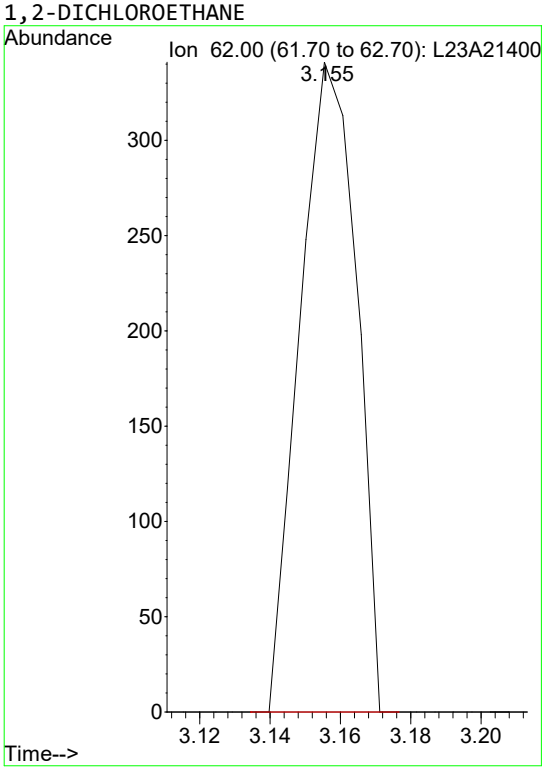
Thu Aug 03 10:41:59 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
1,2-DICHLOROETHANE



Original Int. Results

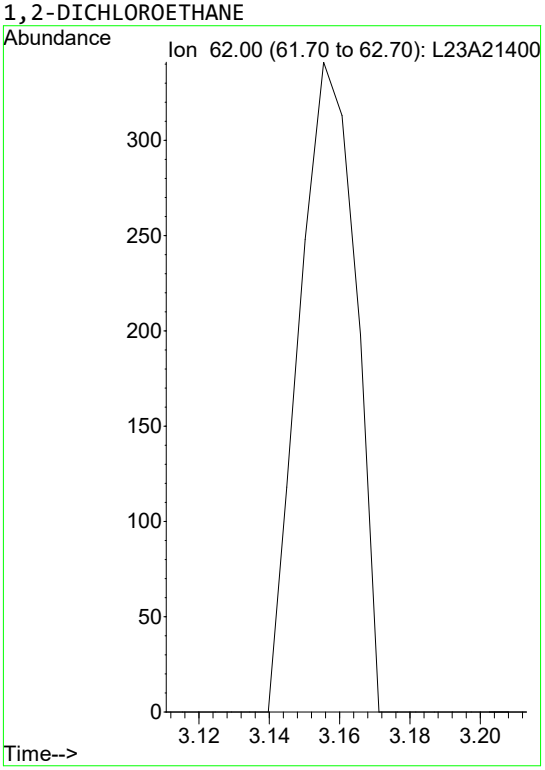
RT : 3.16
Area : 383
Amount: 0.0100216

Manual Int. Results

Thu Aug 03 10:41:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

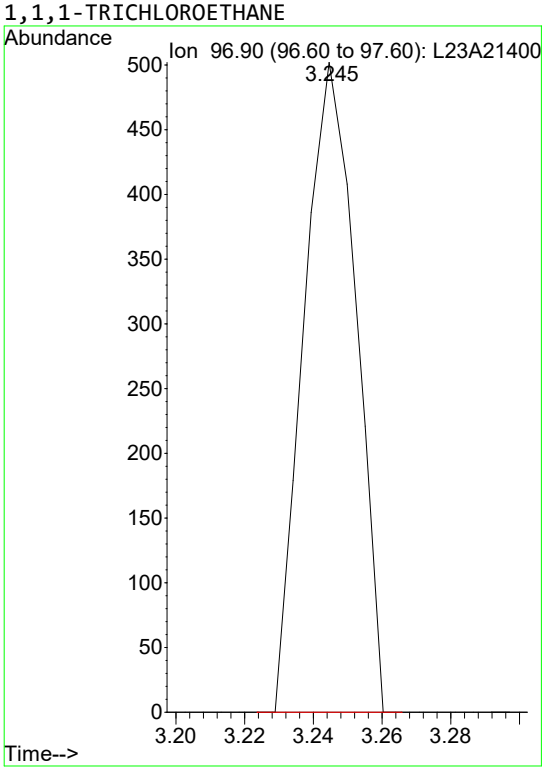
Manual Integration
1,2-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,1-TRICHLOROETHANE



Original Int. Results

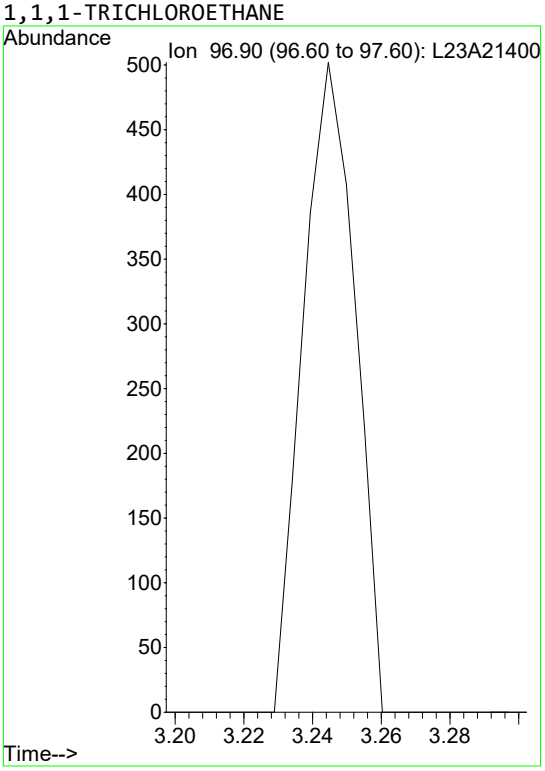
RT : 3.24
Area : 534
Amount: 0.00959593

Manual Int. Results

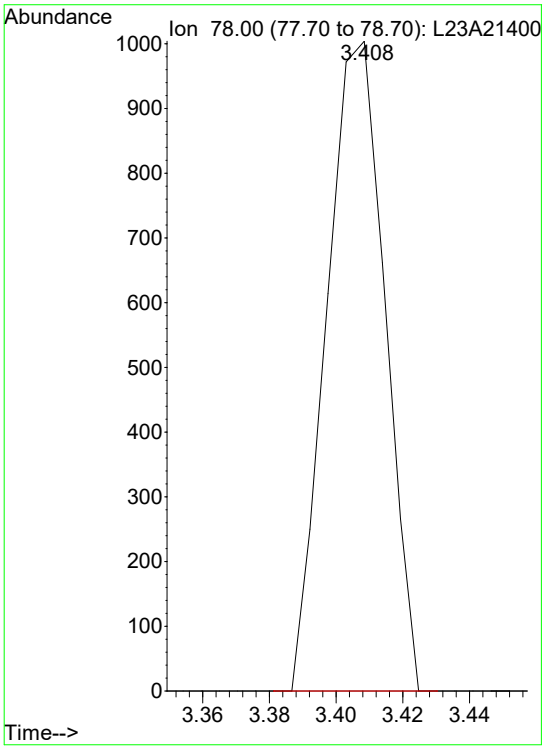
Thu Aug 03 10:41:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,1-TRICHLOROETHANE



Original Integration
BENZENE



Original Int. Results

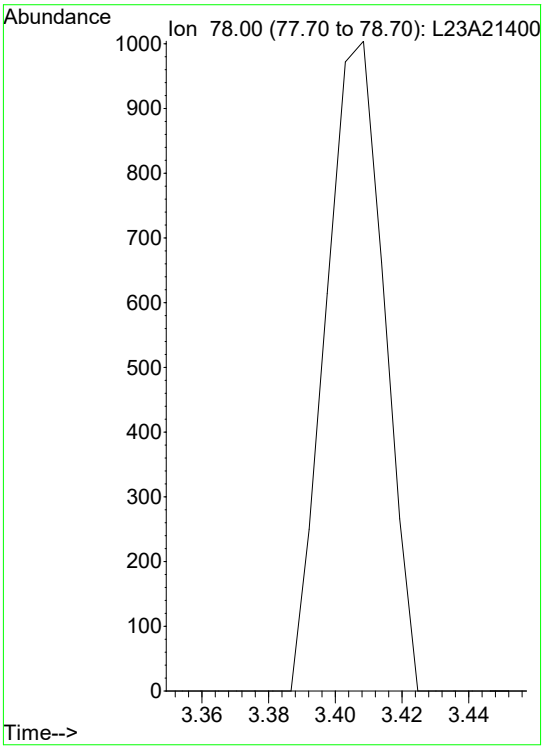
RT : 3.41
Area : 1228
Amount: 0.0147729

Manual Int. Results

Thu Aug 03 10:41:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

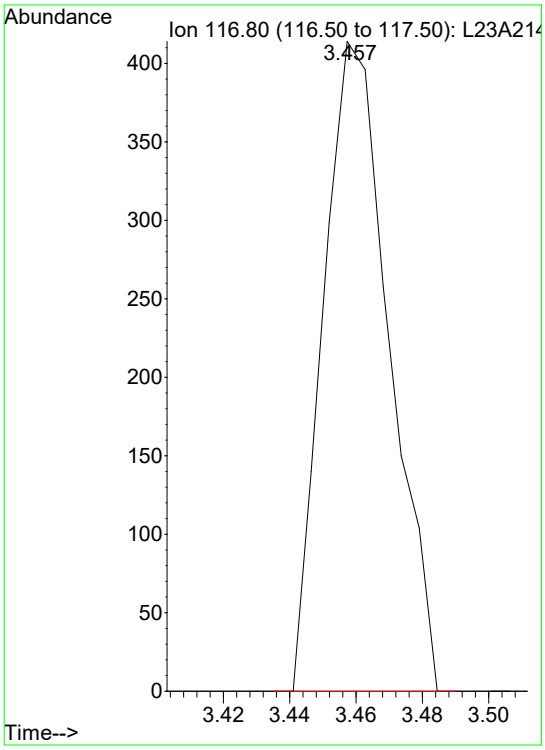
Manual Integration
BENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CARBON TETRACHLORIDE



Original Int. Results

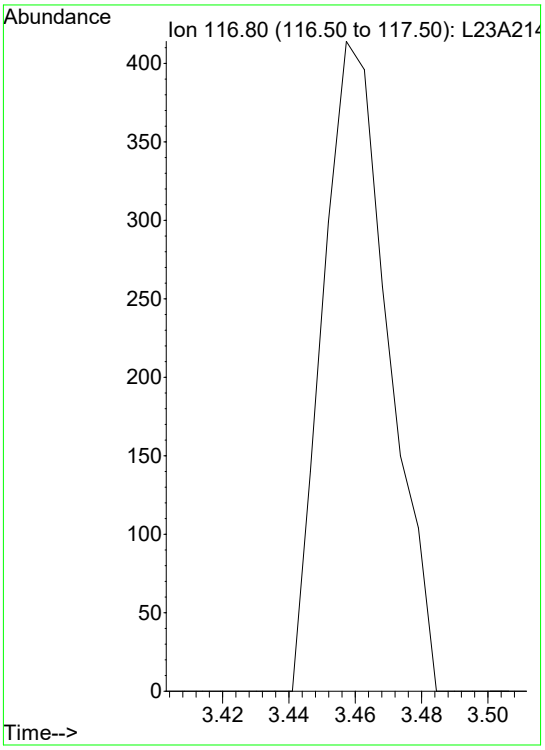
RT : 3.46
Area : 574
Amount: 0.0101925

Manual Int. Results

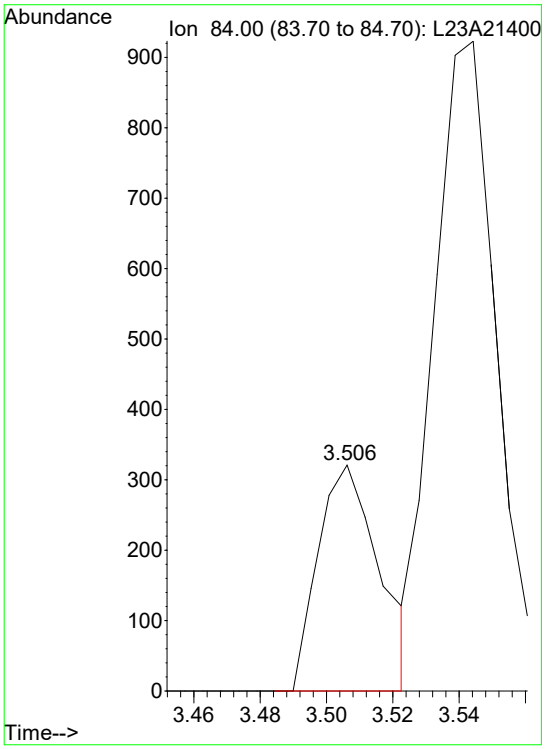
Thu Aug 03 10:41:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON TETRACHLORIDE



Original Integration
CYCLOHEXANE



Original Int. Results

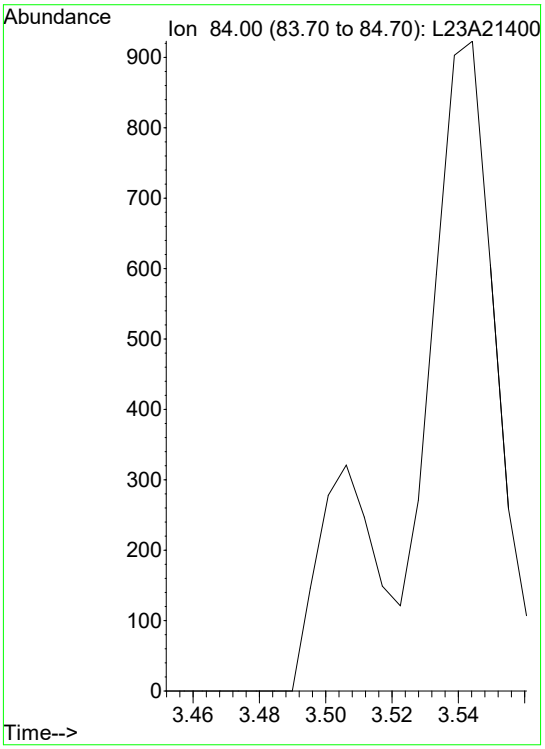
RT : 3.51
Area : 411
Amount: 0.0122836

Manual Int. Results

Thu Aug 03 10:41:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

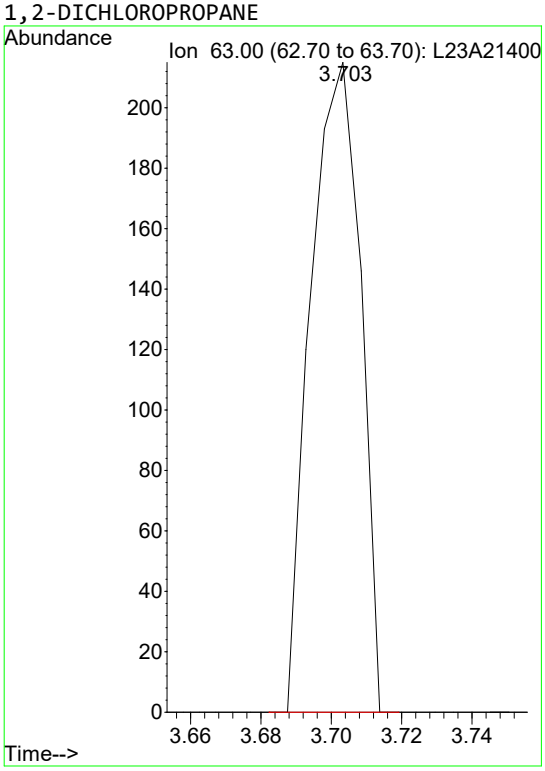
Manual Integration
CYCLOHEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

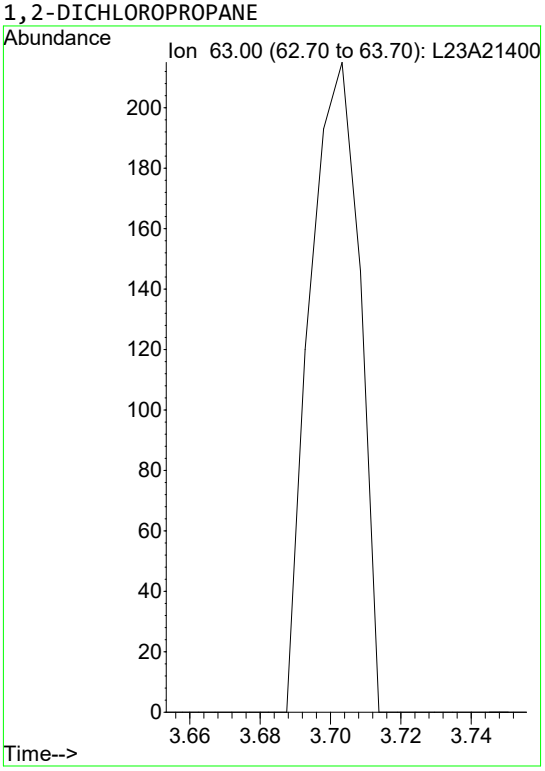
RT : 3.70
Area : 212
Amount: 0.00730632

Manual Int. Results

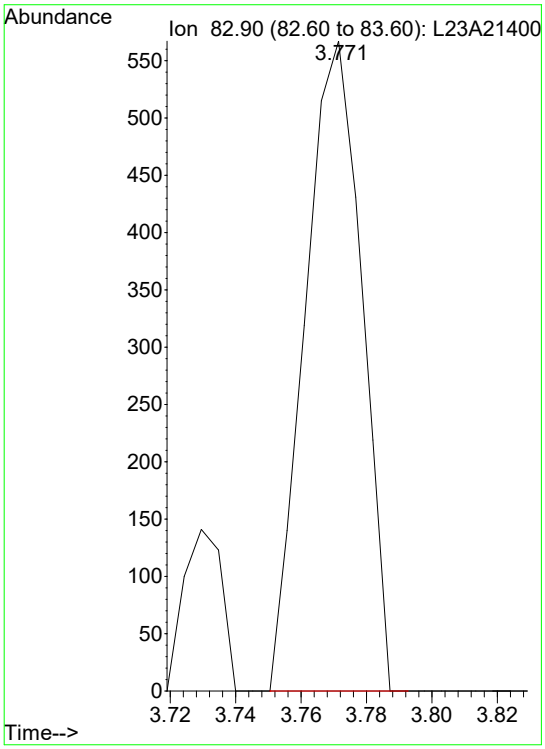
Thu Aug 03 10:41:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

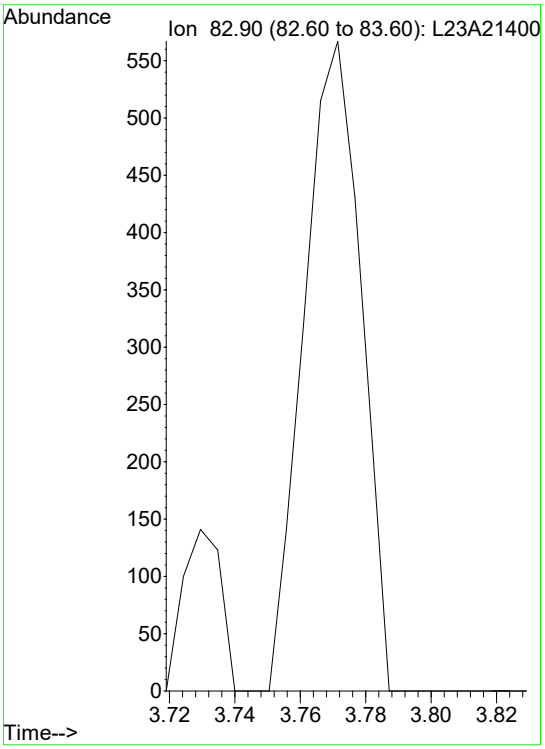
RT : 3.77
Area : 689
Amount: 0.011667

Manual Int. Results

Thu Aug 03 10:41:48 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

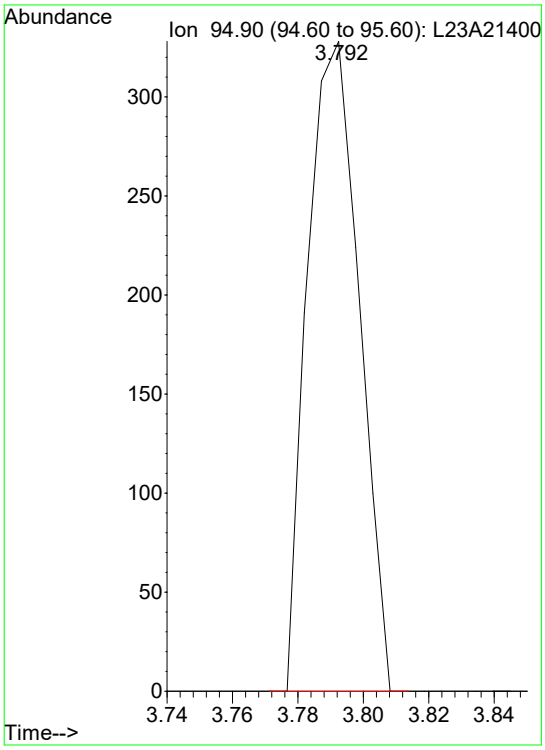
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROETHENE



Original Int. Results

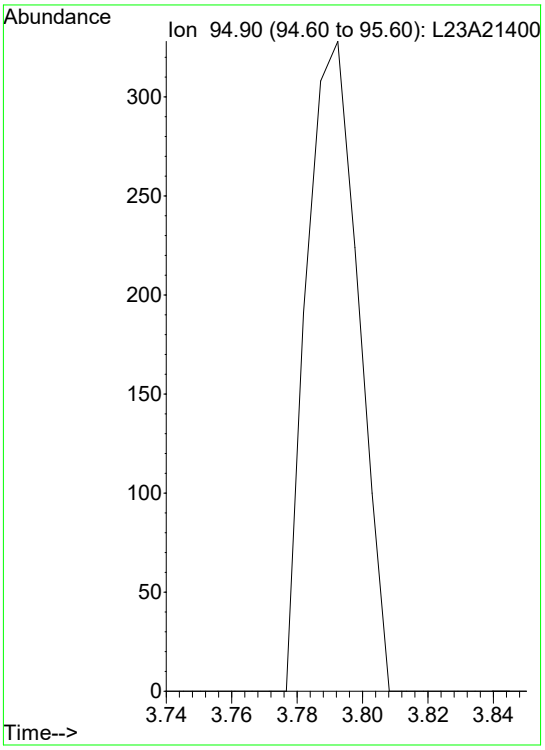
RT : 3.79
Area : 362
Amount: 0.00979818

Manual Int. Results

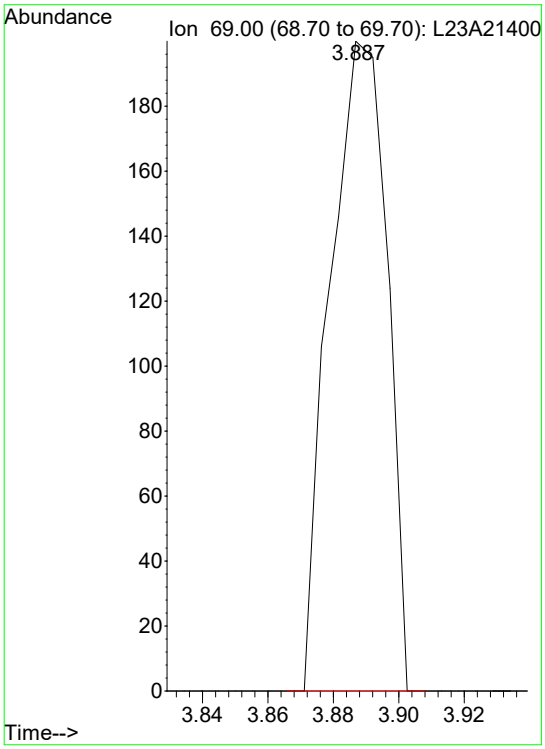
Thu Aug 03 10:41:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROETHENE



Original Integration
METHYLMETHACRYLATE



Original Int. Results

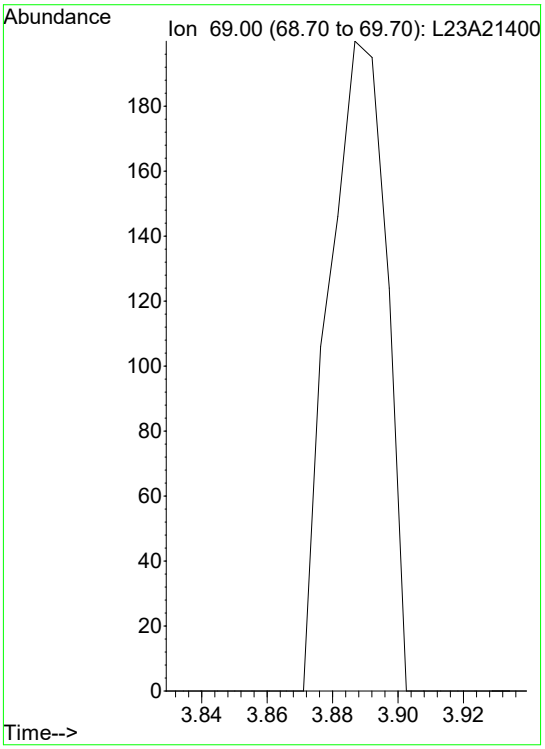
RT : 3.89
Area : 243
Amount: 0.0086349

Manual Int. Results

Thu Aug 03 10:41:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

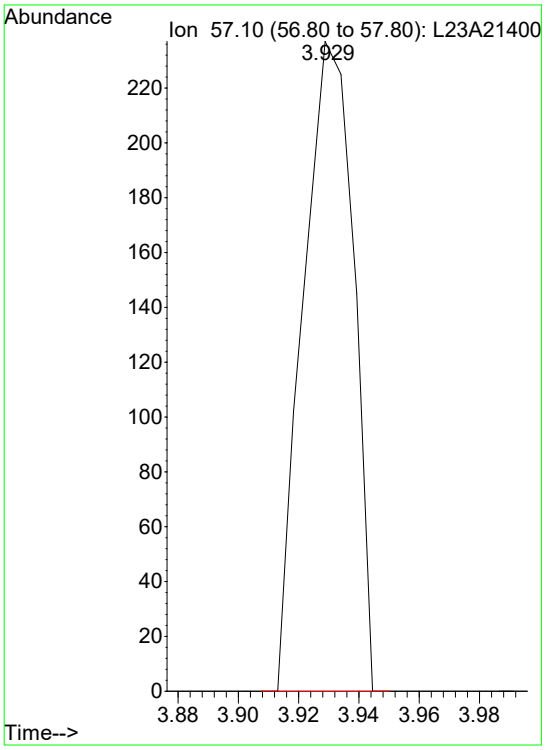
Manual Integration
METHYLMETHACRYLATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEPTANE



Original Int. Results

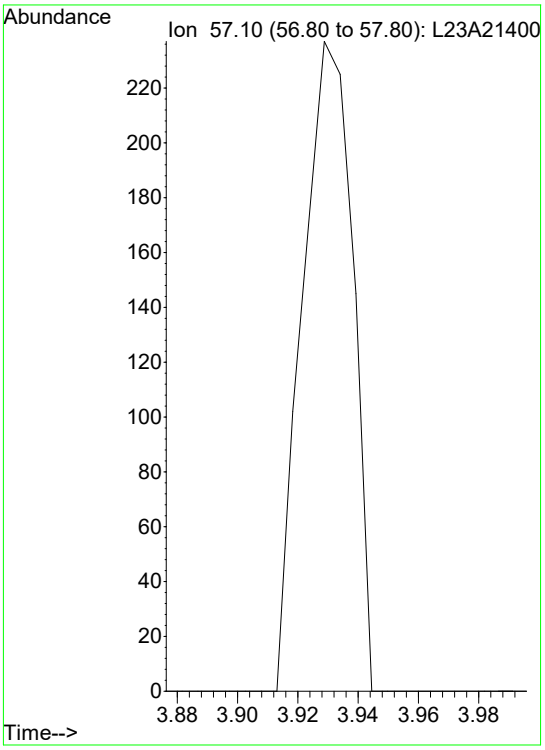
RT : 3.93
Area : 277
Amount: 0.00755533

Manual Int. Results

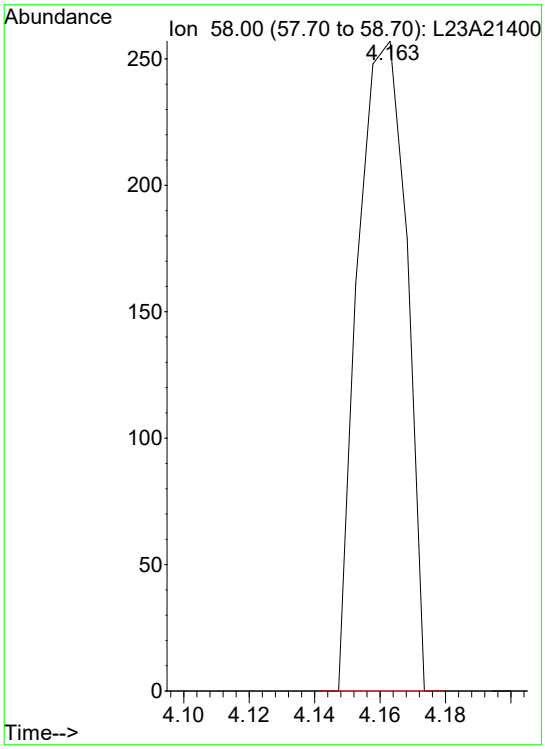
Thu Aug 03 10:41:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEPTANE



Original Integration
MIBK



Original Int. Results

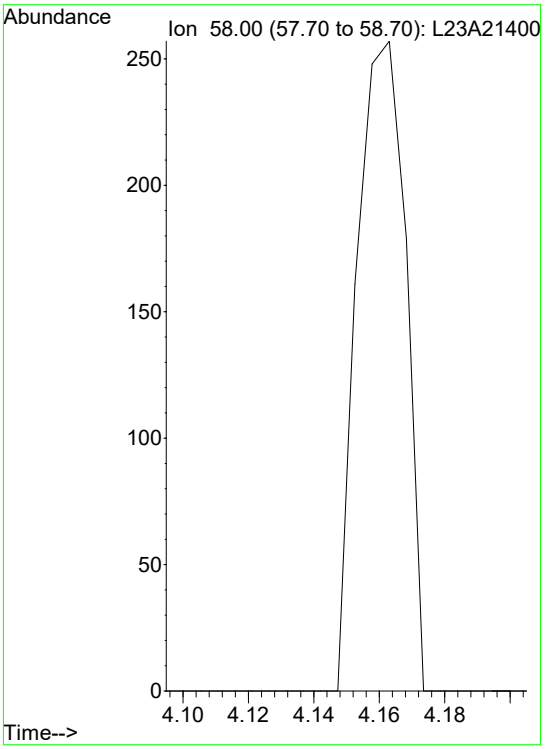
RT : 4.16
Area : 266
Amount: 0.00917646

Manual Int. Results

Thu Aug 03 10:41:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

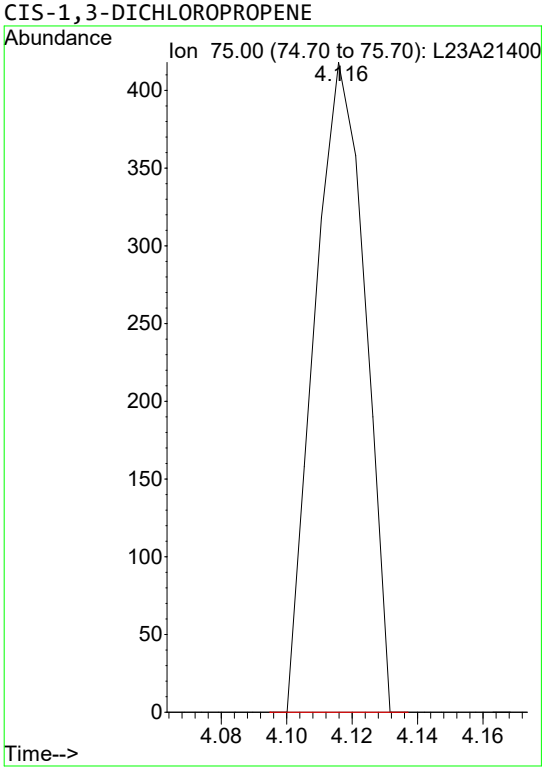
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,3-DICHLOROPROPENE



Original Int. Results

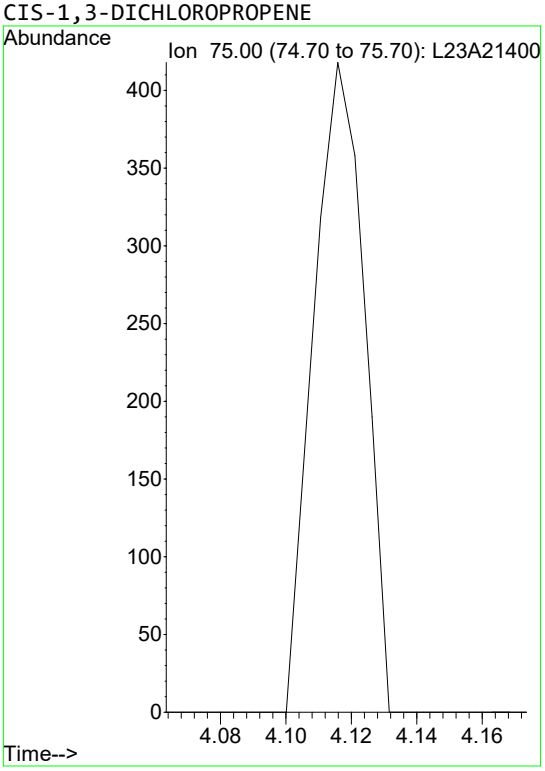
RT : 4.12
Area : 454
Amount: 0.0103944

Manual Int. Results

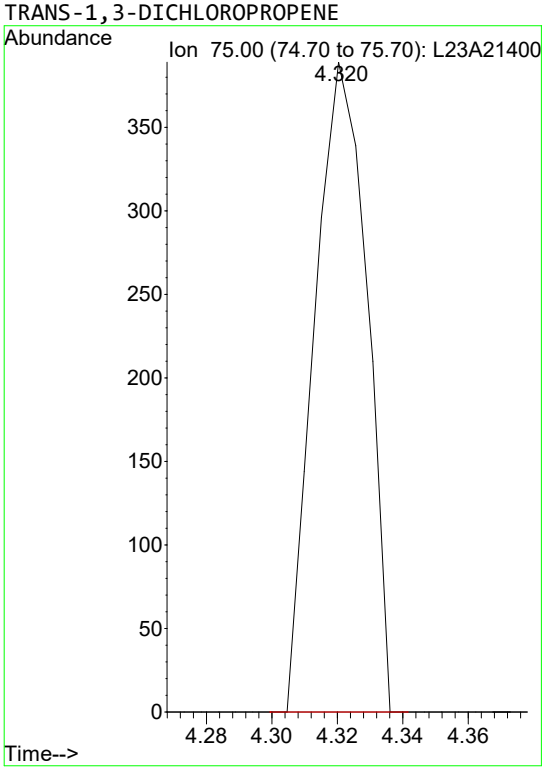
Thu Aug 03 10:41:41 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,3-DICHLOROPROPENE



Original Integration
TRANS-1,3-DICHLOROPROPENE



Original Int. Results

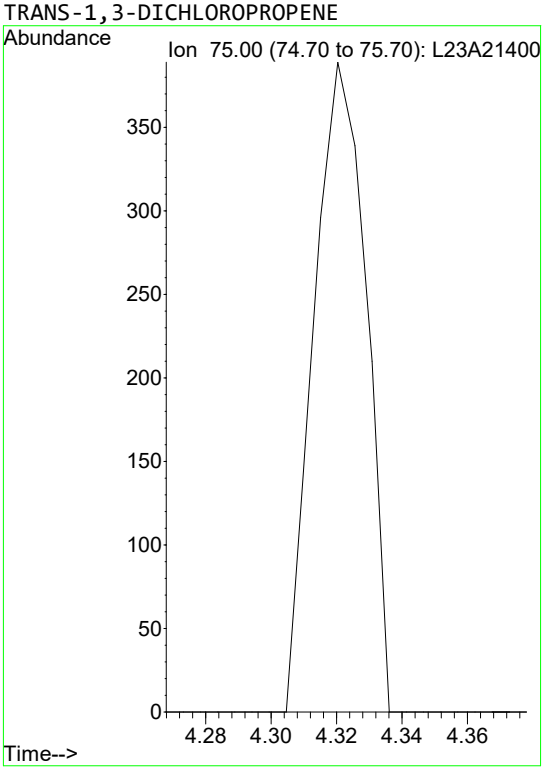
RT : 4.32
Area : 434
Amount: 0.0112793

Manual Int. Results

Thu Aug 03 10:41:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

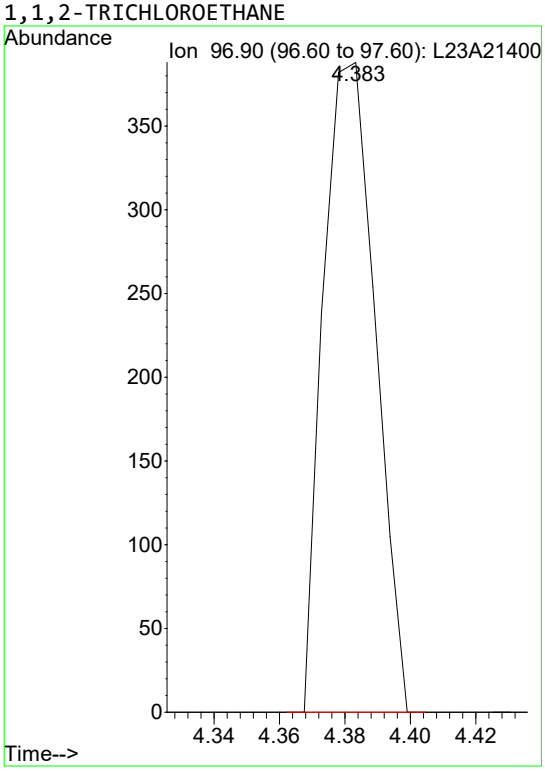
Manual Integration
TRANS-1,3-DICHLOROPROPENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

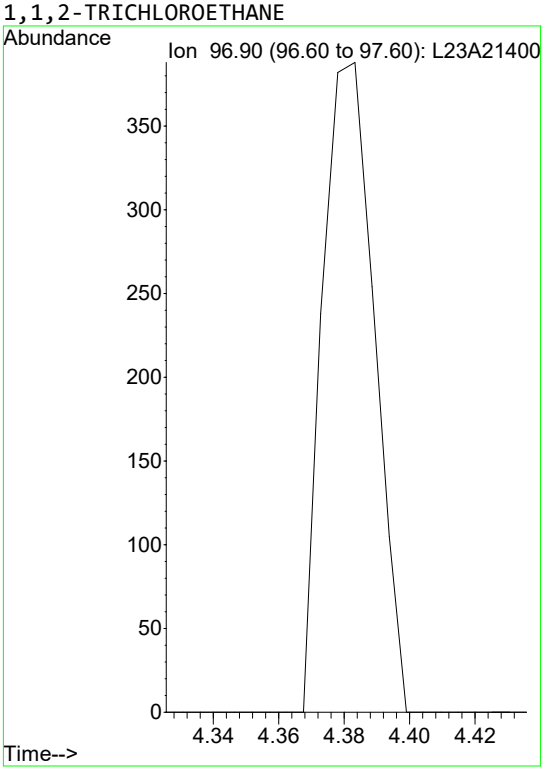
RT : 4.38
Area : 430
Amount: 0.0138939

Manual Int. Results

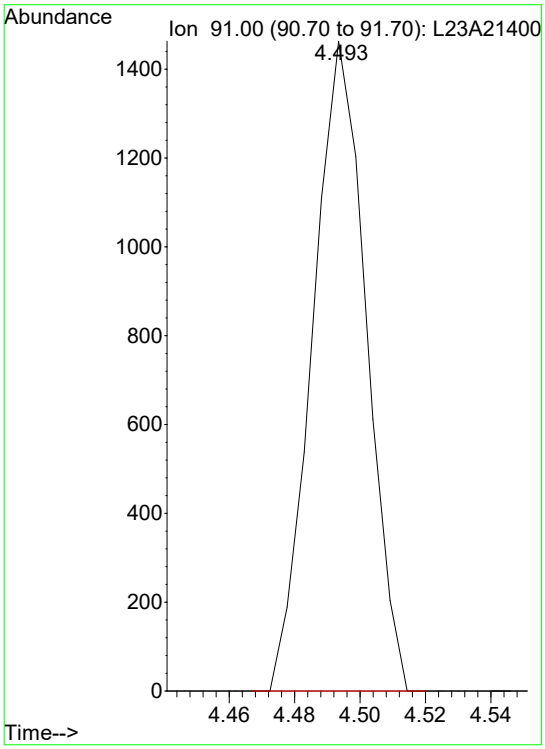
Thu Aug 03 10:41:38 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TOLUENE



Original Int. Results

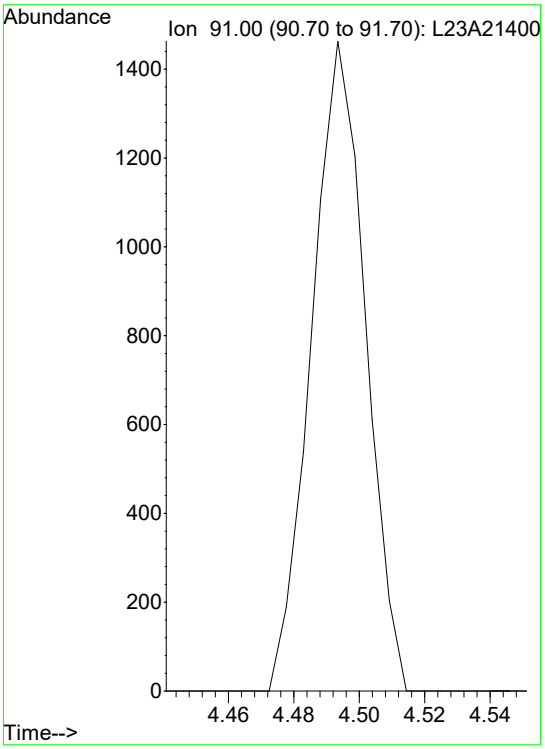
RT : 4.49
Area : 1674
Amount: 0.0170409

Manual Int. Results

Thu Aug 03 10:41:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

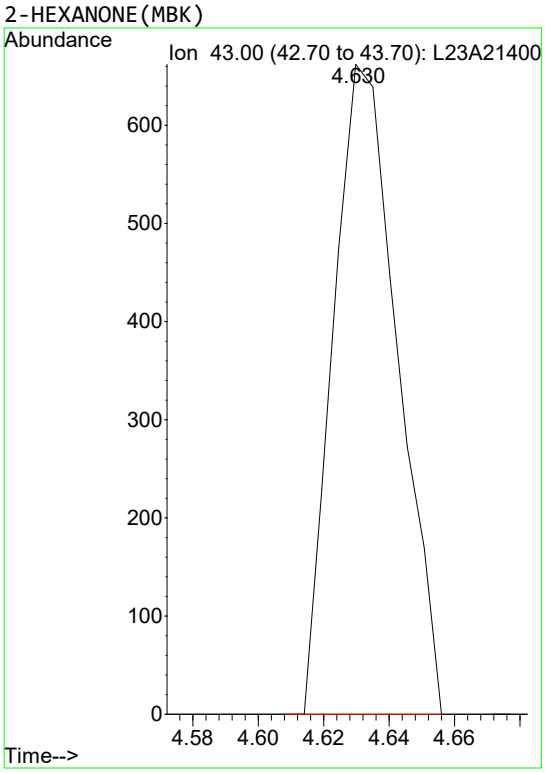
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

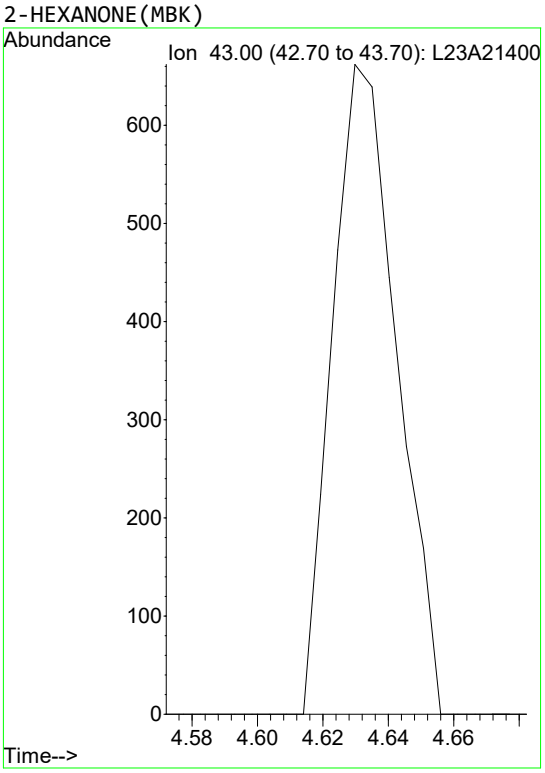
RT : 4.63
Area : 908
Amount: 0.013598

Manual Int. Results

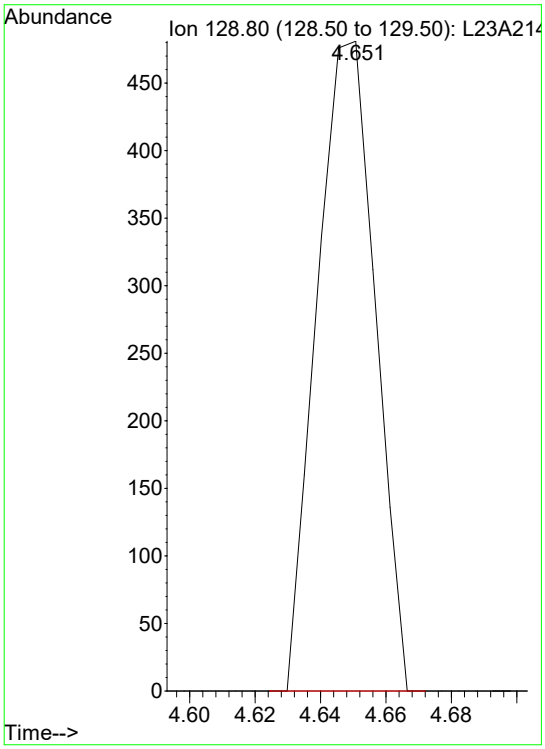
Thu Aug 03 10:41:34 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

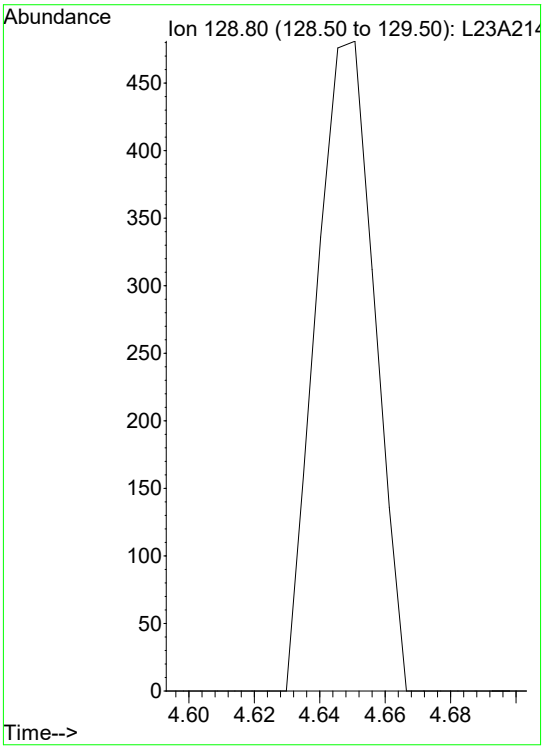
RT : 4.65
Area : 598
Amount: 0.0105911

Manual Int. Results

Thu Aug 03 10:41:31 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

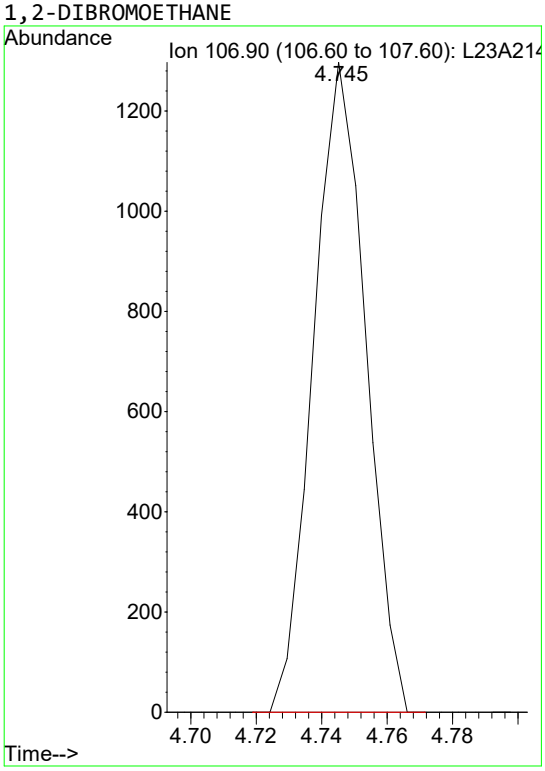
Manual Integration
DIBROMOCHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DIBROMOETHANE



Original Int. Results

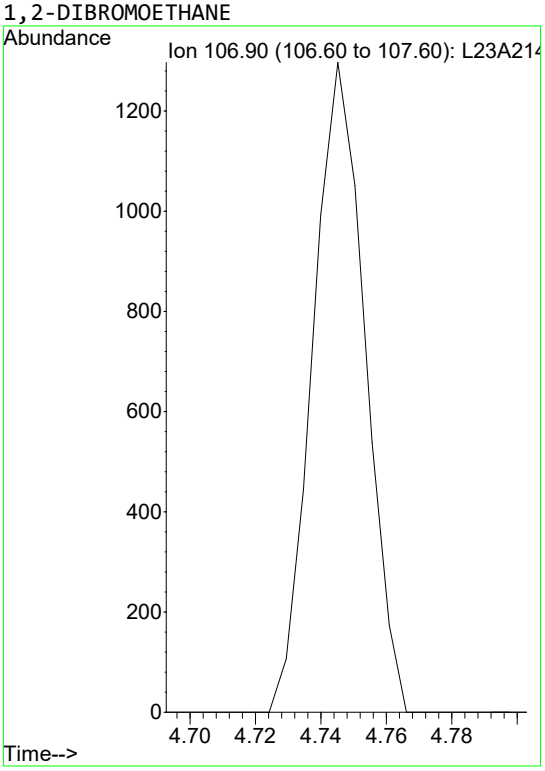
RT : 4.75
Area : 1448
Amount: 0.0271537

Manual Int. Results

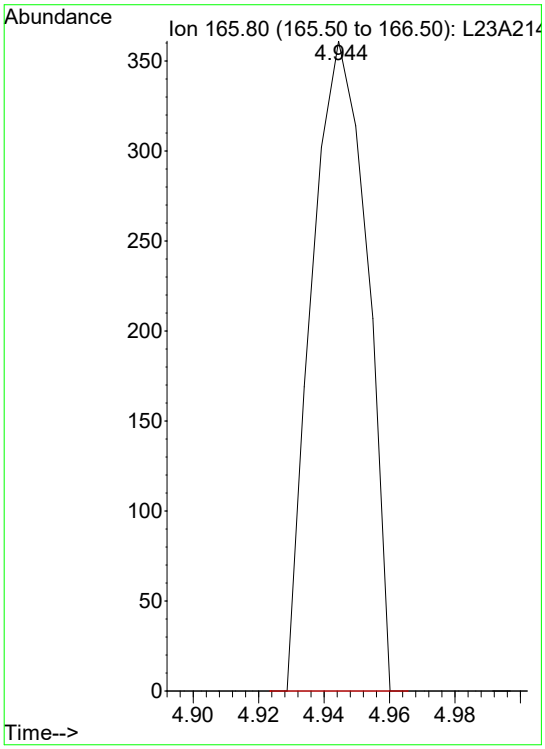
Thu Aug 03 10:41:30 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DIBROMOETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

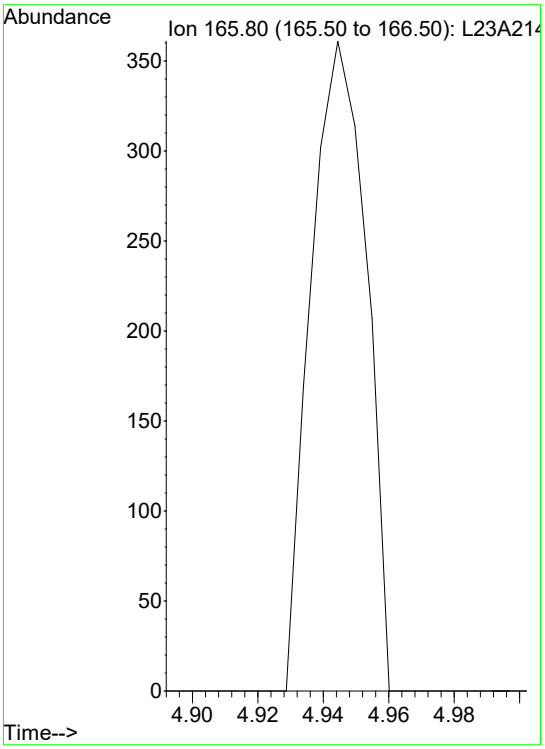
RT : 4.94
Area : 426
Amount: 0.0100973

Manual Int. Results

Thu Aug 03 10:41:23 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

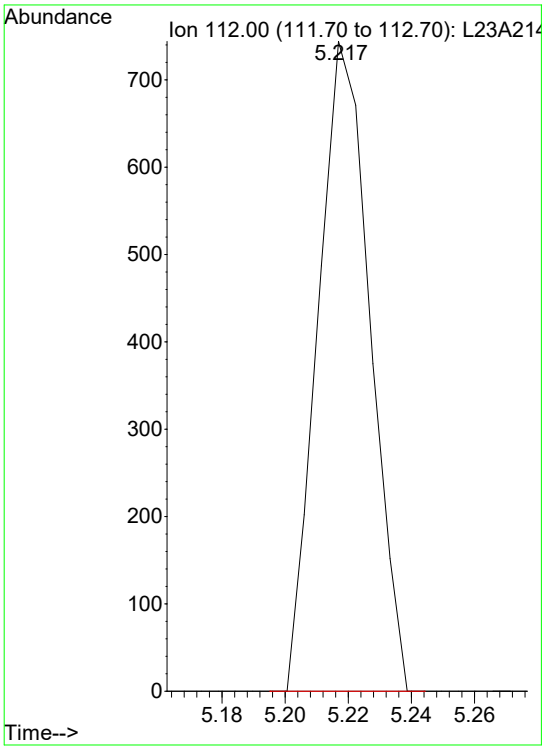
Manual Integration
TETRACHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROBENZENE



Original Int. Results

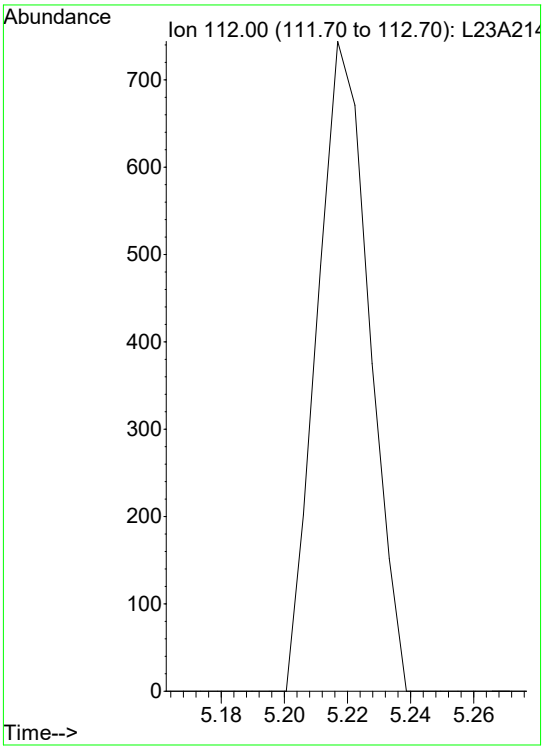
RT : 5.22
Area : 858
Amount: 0.0118629

Manual Int. Results

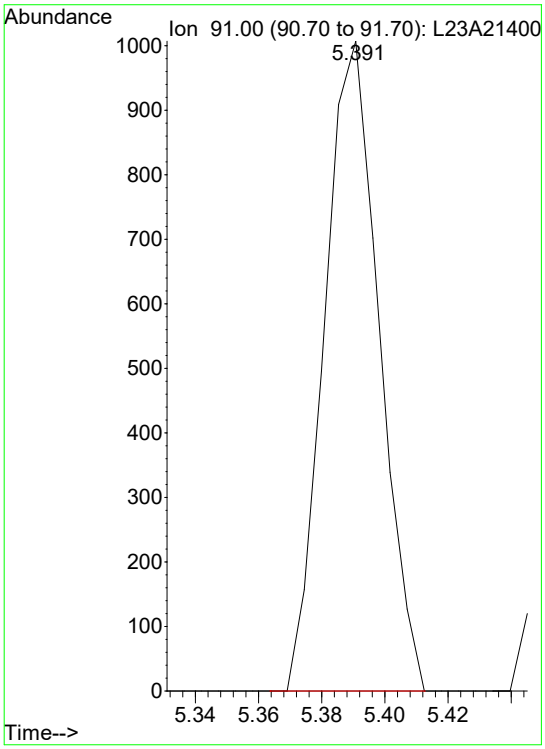
Thu Aug 03 10:41:22 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
ETHYLBENZENE



Original Int. Results

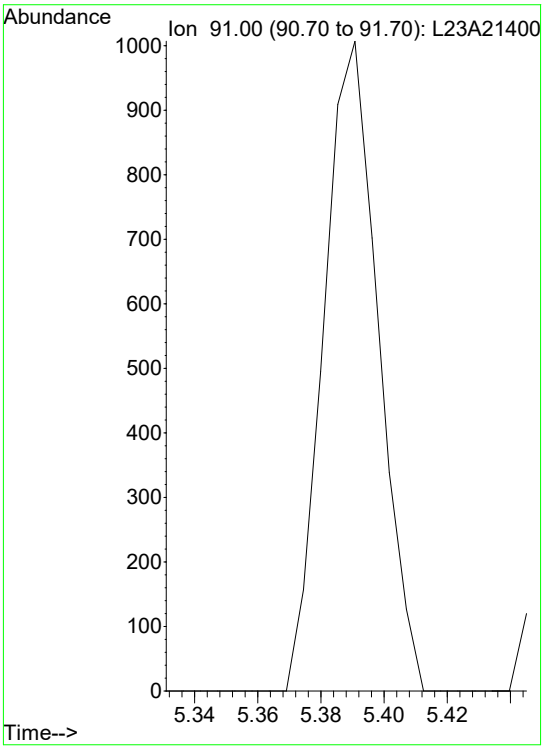
RT : 5.39
Area : 1217
Amount: 0.01014

Manual Int. Results

Thu Aug 03 10:41:20 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

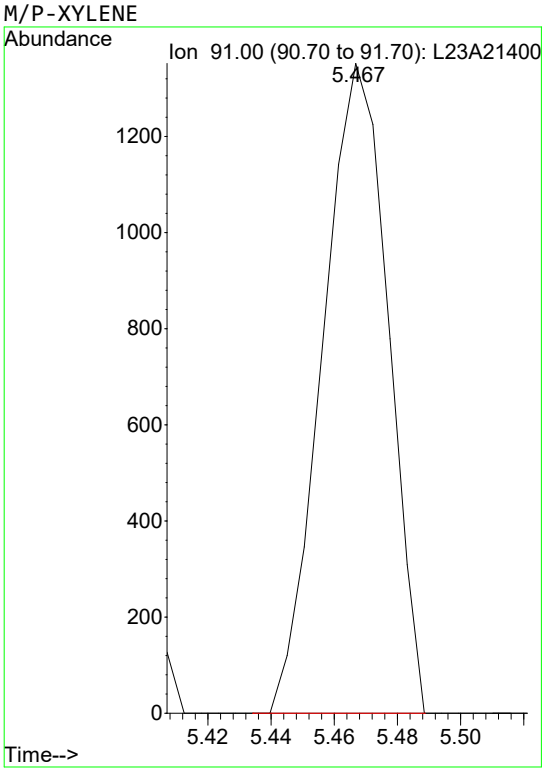
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
M/P-XYLENE



Original Int. Results

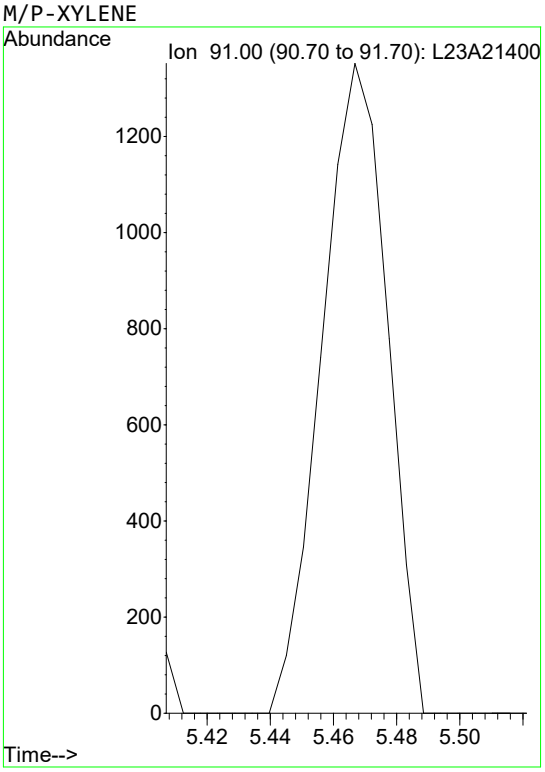
RT : 5.47
Area : 1959
Amount: 0.0201204

Manual Int. Results

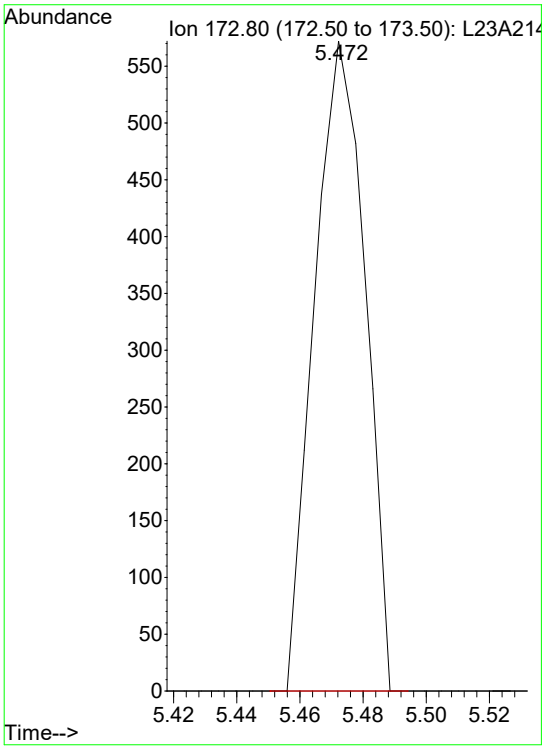
Thu Aug 03 10:41:17 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

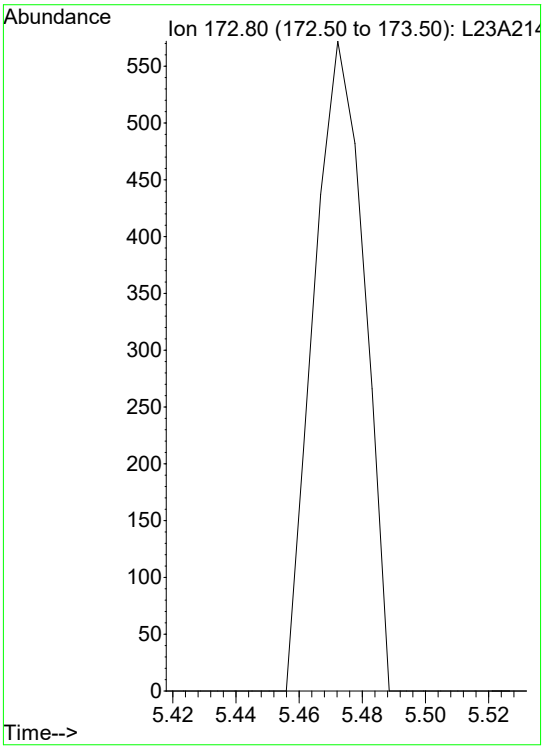
RT : 5.47
Area : 642
Amount: 0.0141098

Manual Int. Results

Thu Aug 03 10:41:12 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

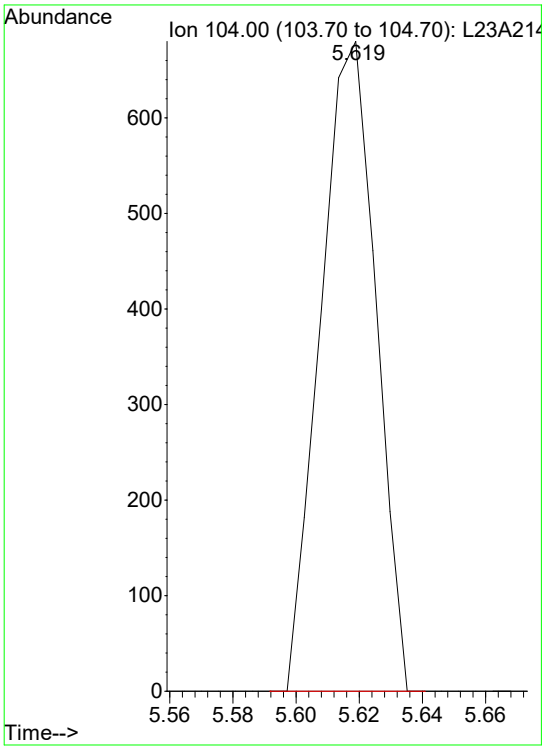
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
STYRENE



Original Int. Results

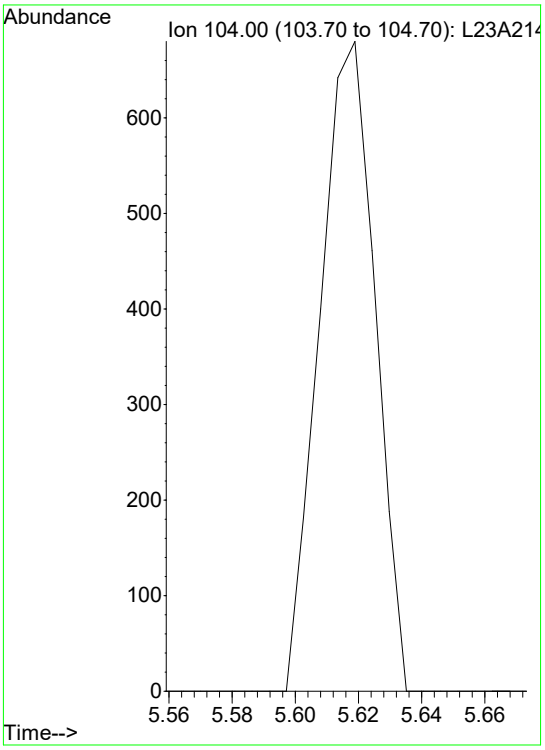
RT : 5.62
Area : 832
Amount: 0.0127737

Manual Int. Results

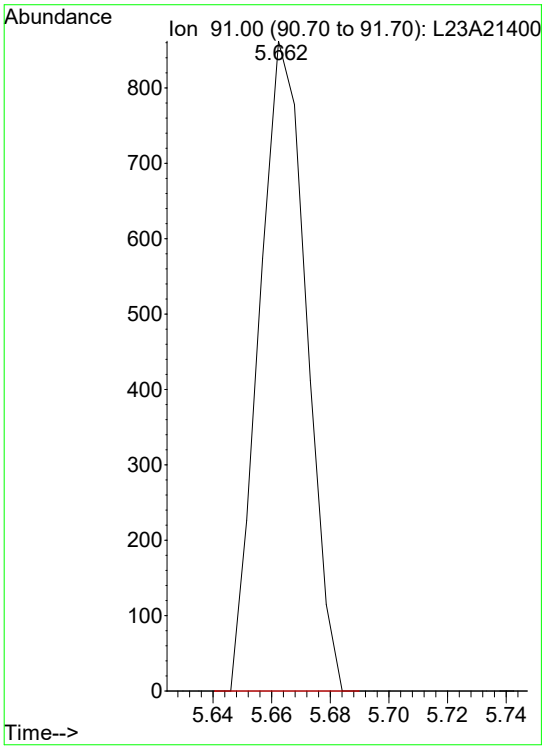
Thu Aug 03 10:41:10 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

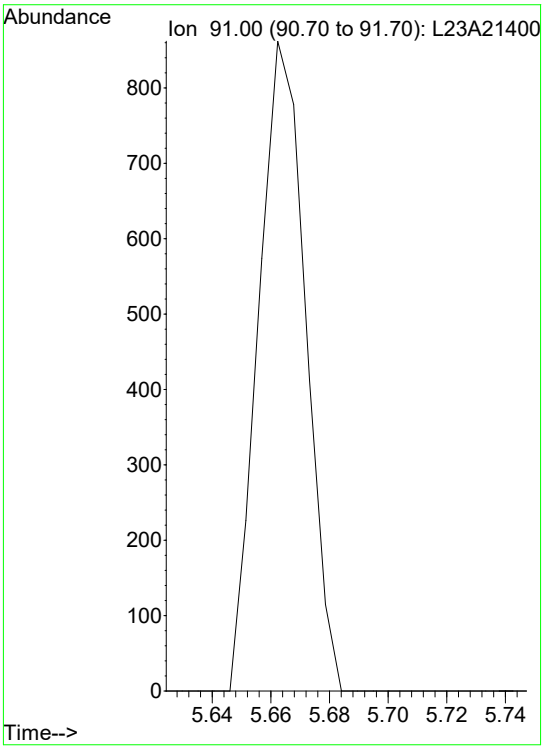
RT : 5.66
Area : 967
Amount: 0.0103622

Manual Int. Results

Thu Aug 03 10:41:07 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

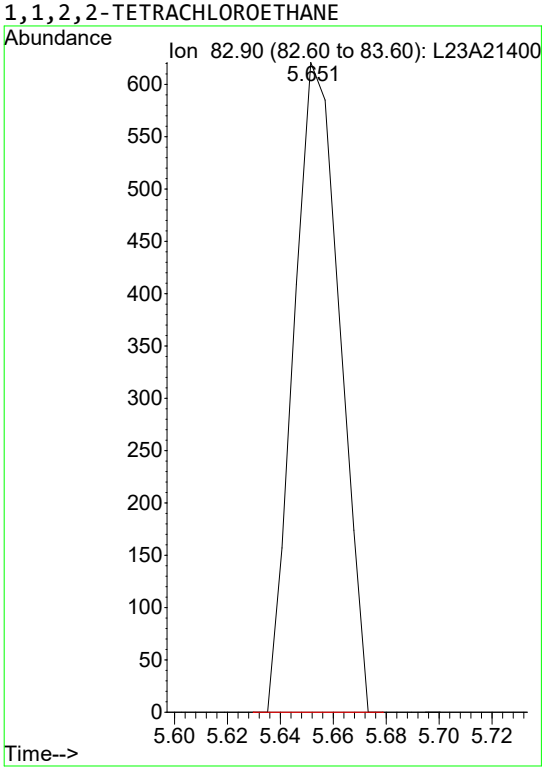
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

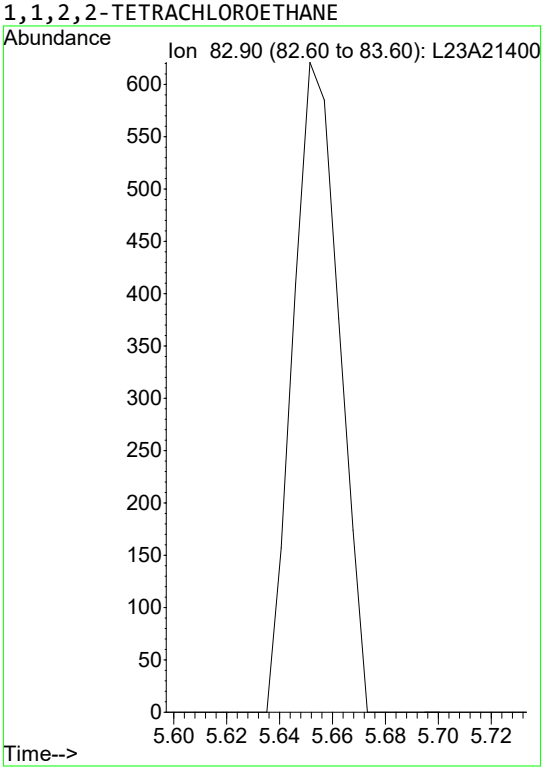
RT : 5.65
Area : 757
Amount: 0.0117349

Manual Int. Results

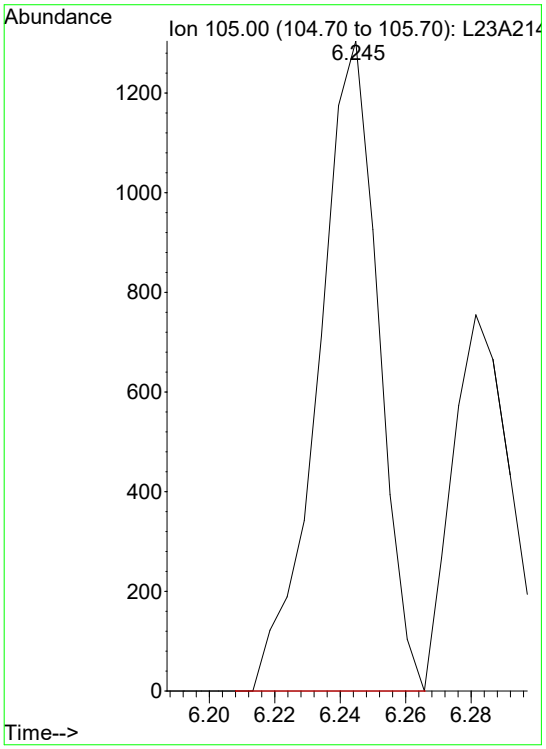
Thu Aug 03 10:41:04 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

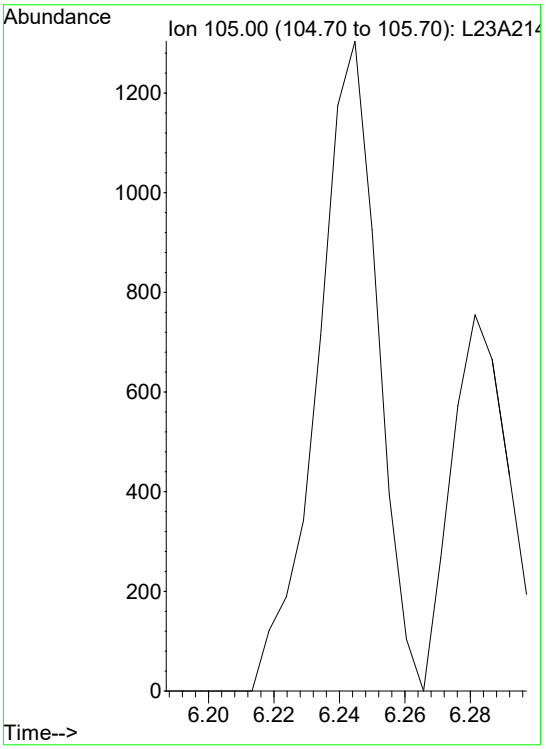
RT : 6.24
Area : 1657
Amount: 0.0134583

Manual Int. Results

Thu Aug 03 10:41:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

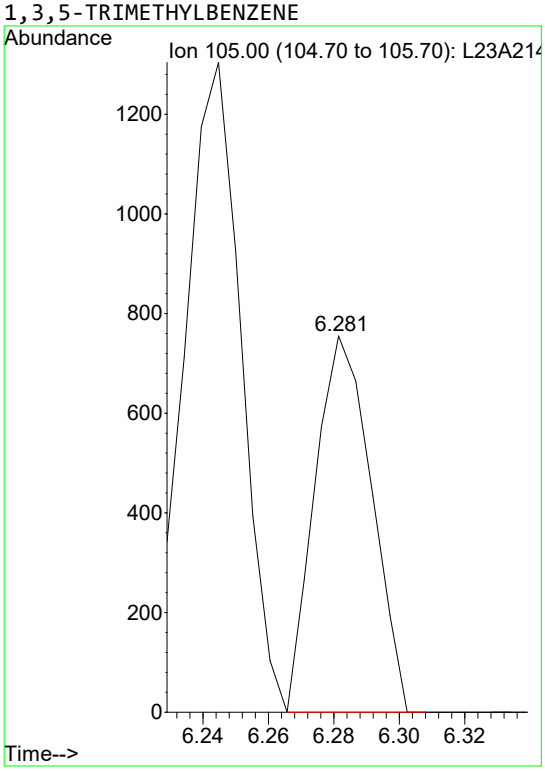
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

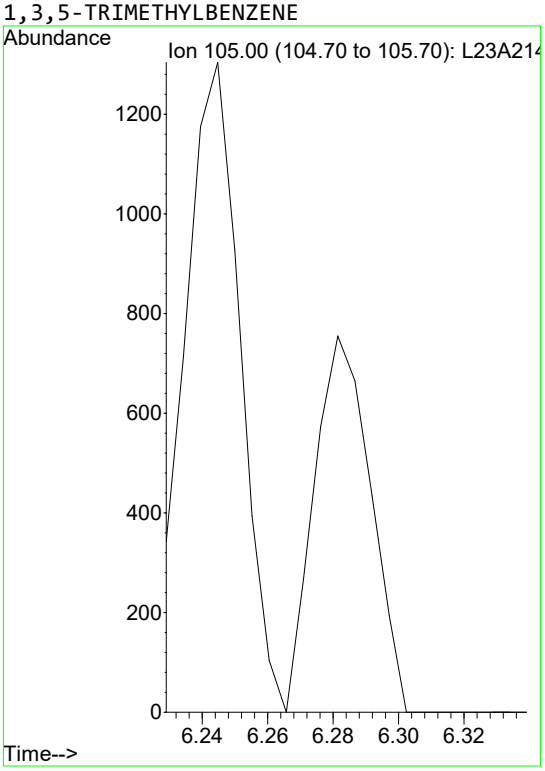
RT : 6.28
Area : 908
Amount: 0.00900898

Manual Int. Results

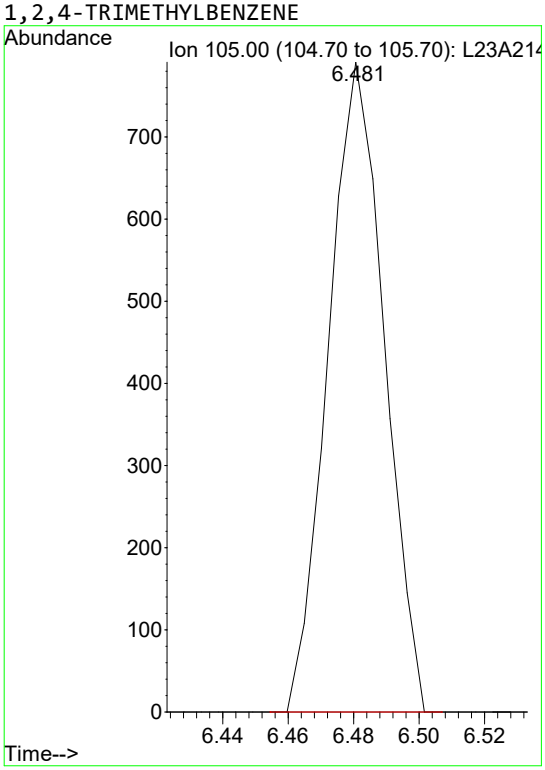
Thu Aug 03 10:41:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

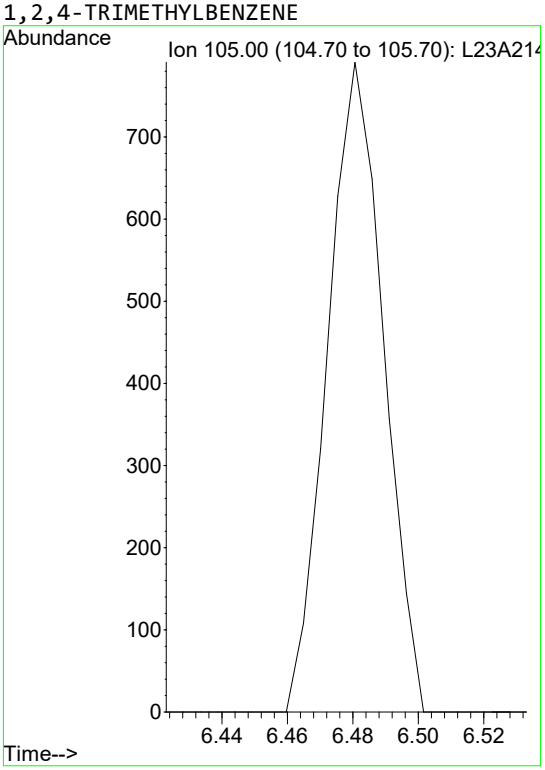
RT : 6.48
Area : 943
Amount: 0.00958647

Manual Int. Results

Thu Aug 03 10:40:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

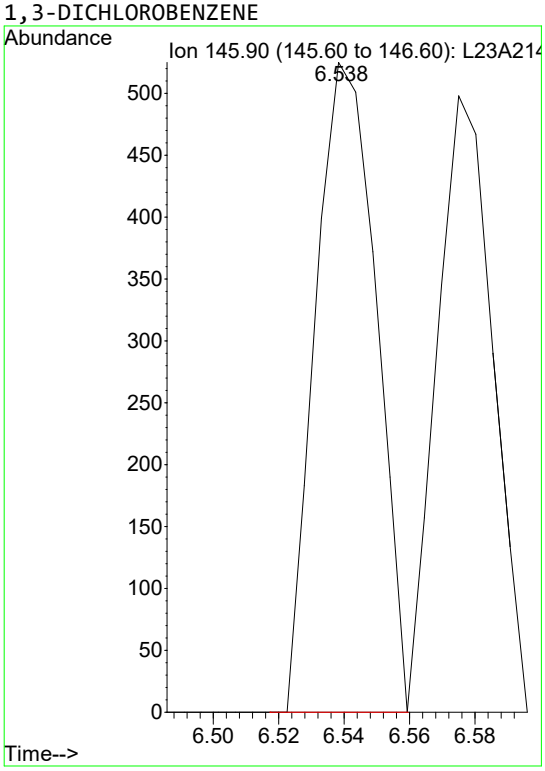
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

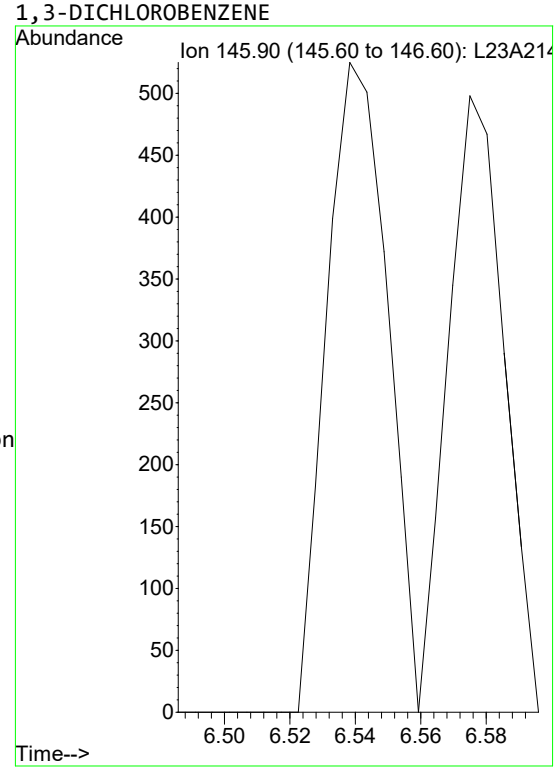
RT : 6.54
Area : 683
Amount: 0.0122031

Manual Int. Results

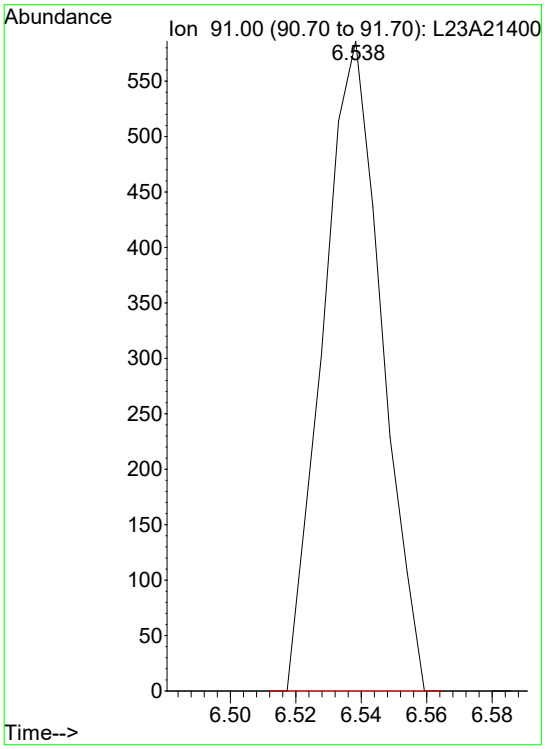
Thu Aug 03 10:40:55 2023

MIuser: CMR
Reason: Incorret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

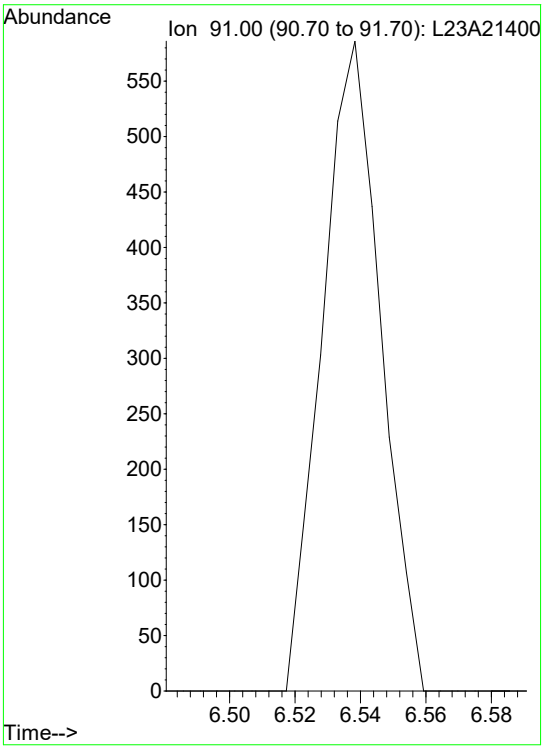
RT : 6.54
Area : 731
Amount: 0.0135404

Manual Int. Results

Thu Aug 03 10:40:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

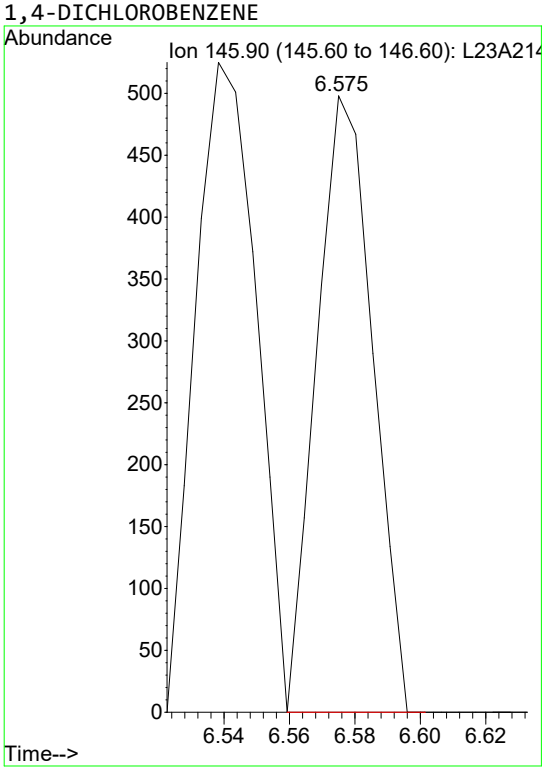
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

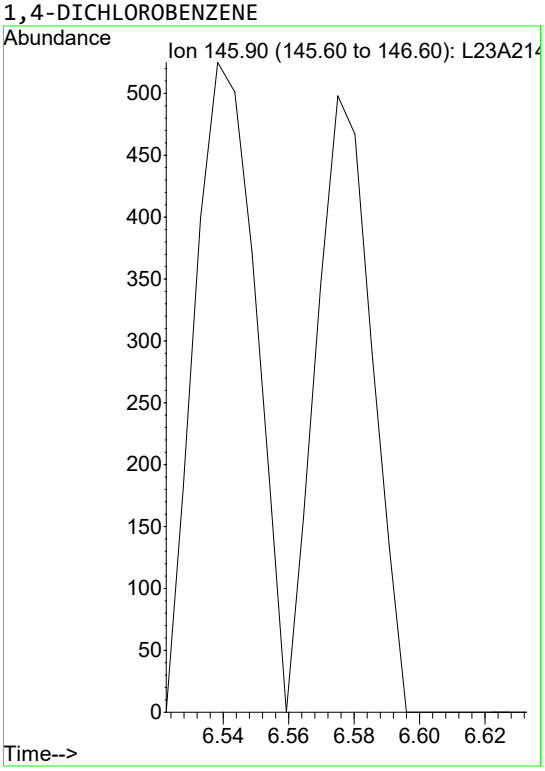
RT : 6.58
Area : 595
Amount: 0.0116016

Manual Int. Results

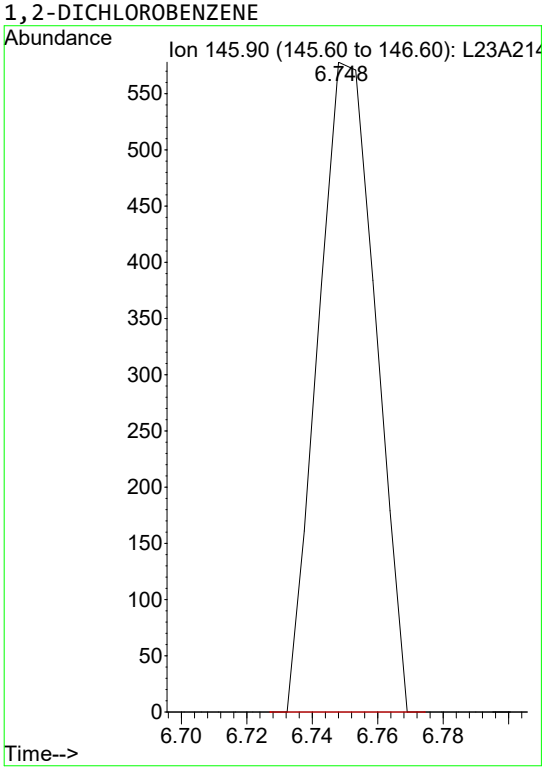
Thu Aug 03 10:40:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DICHLOROBENZENE



Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

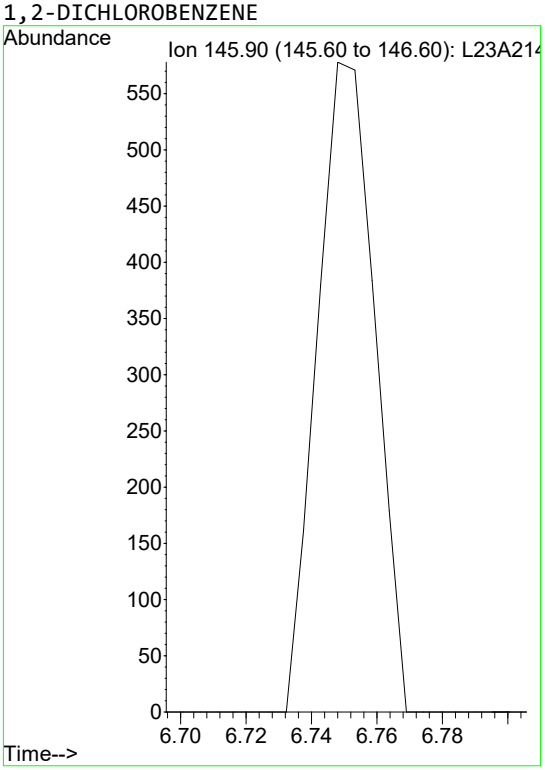
RT : 6.75
Area : 709
Amount: 0.0135187

Manual Int. Results

Thu Aug 03 10:40:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

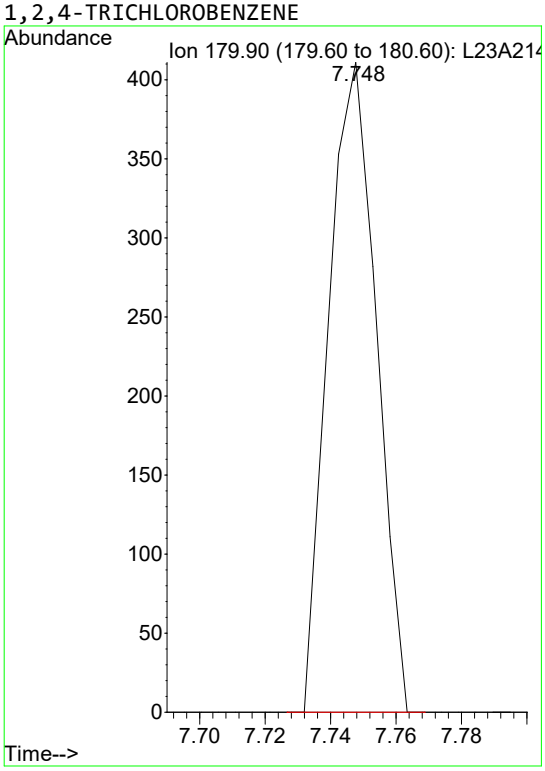
Manual Integration
1,2-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

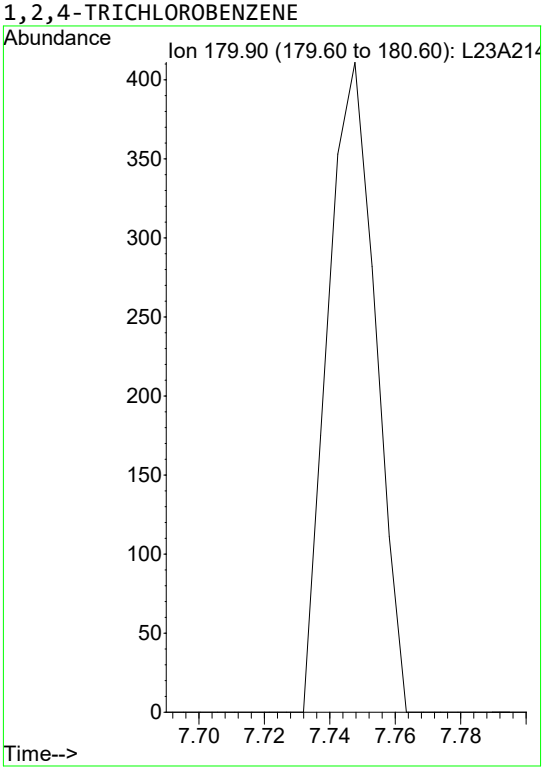
RT : 7.75
Area : 419
Amount: 0.0211794

Manual Int. Results

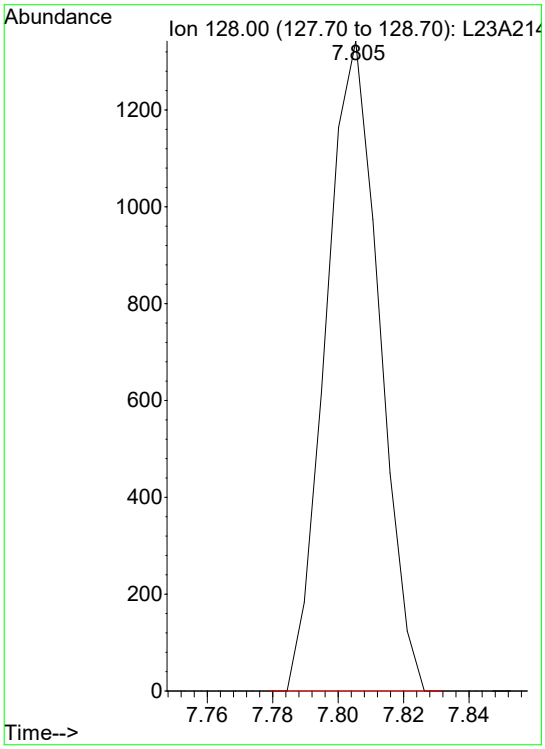
Thu Aug 03 10:40:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

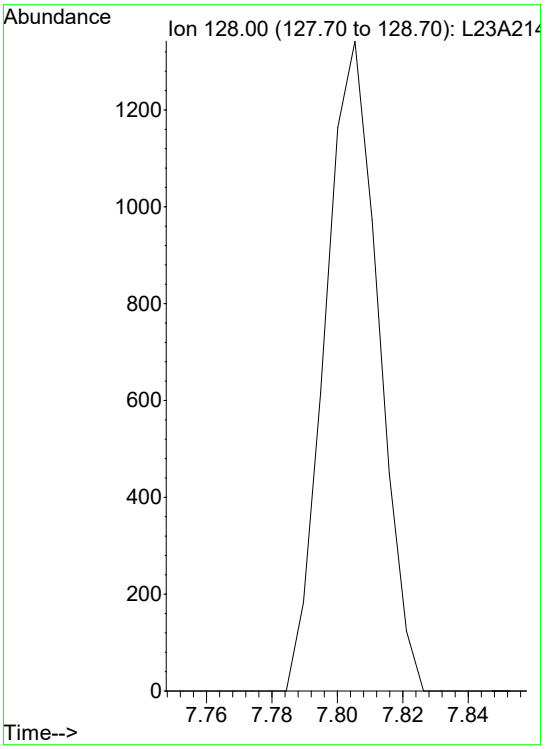
RT : 7.81
Area : 1527
Amount: 0.0315203

Manual Int. Results

Thu Aug 03 10:40:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

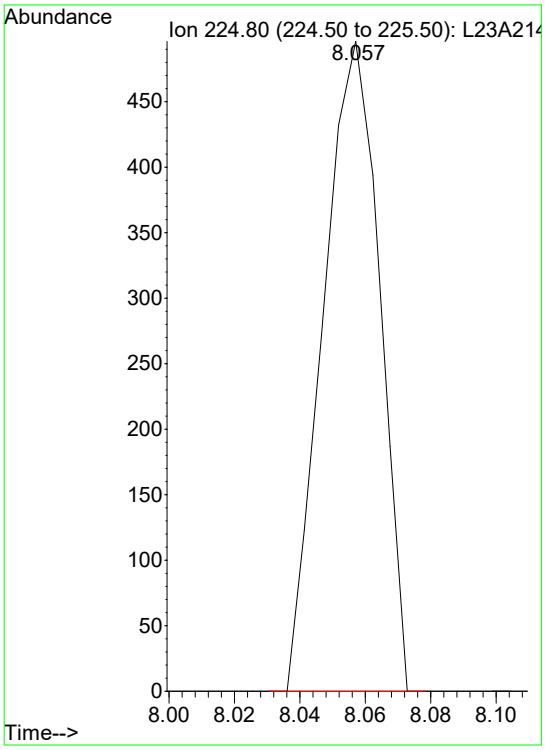
Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214005.D
Acq On : 02 Aug 2023 04:58 pm
Operator : CMR
Sample : 0.010PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:48:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

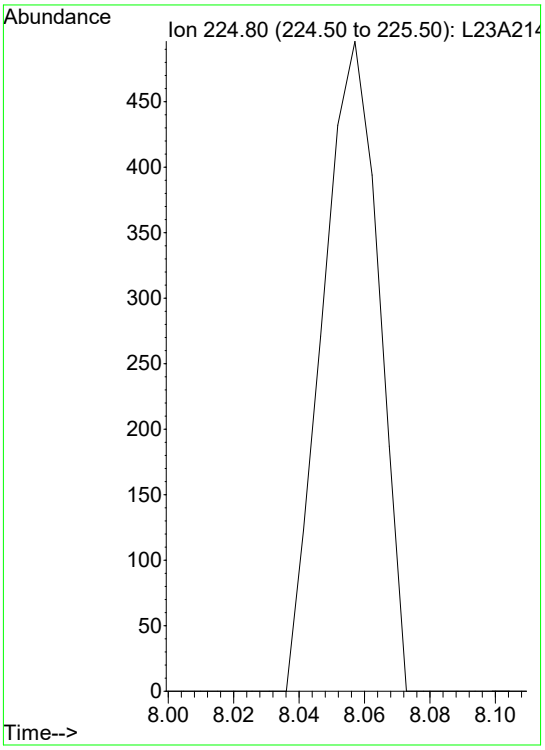
RT : 8.06
Area : 599
Amount: 0.0205648

Manual Int. Results

Thu Aug 03 10:40:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214006.D Vial: 2
Acq On : 02 Aug 2023 05:24 pm Operator: CMR
Sample : 0.020PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:28 2023

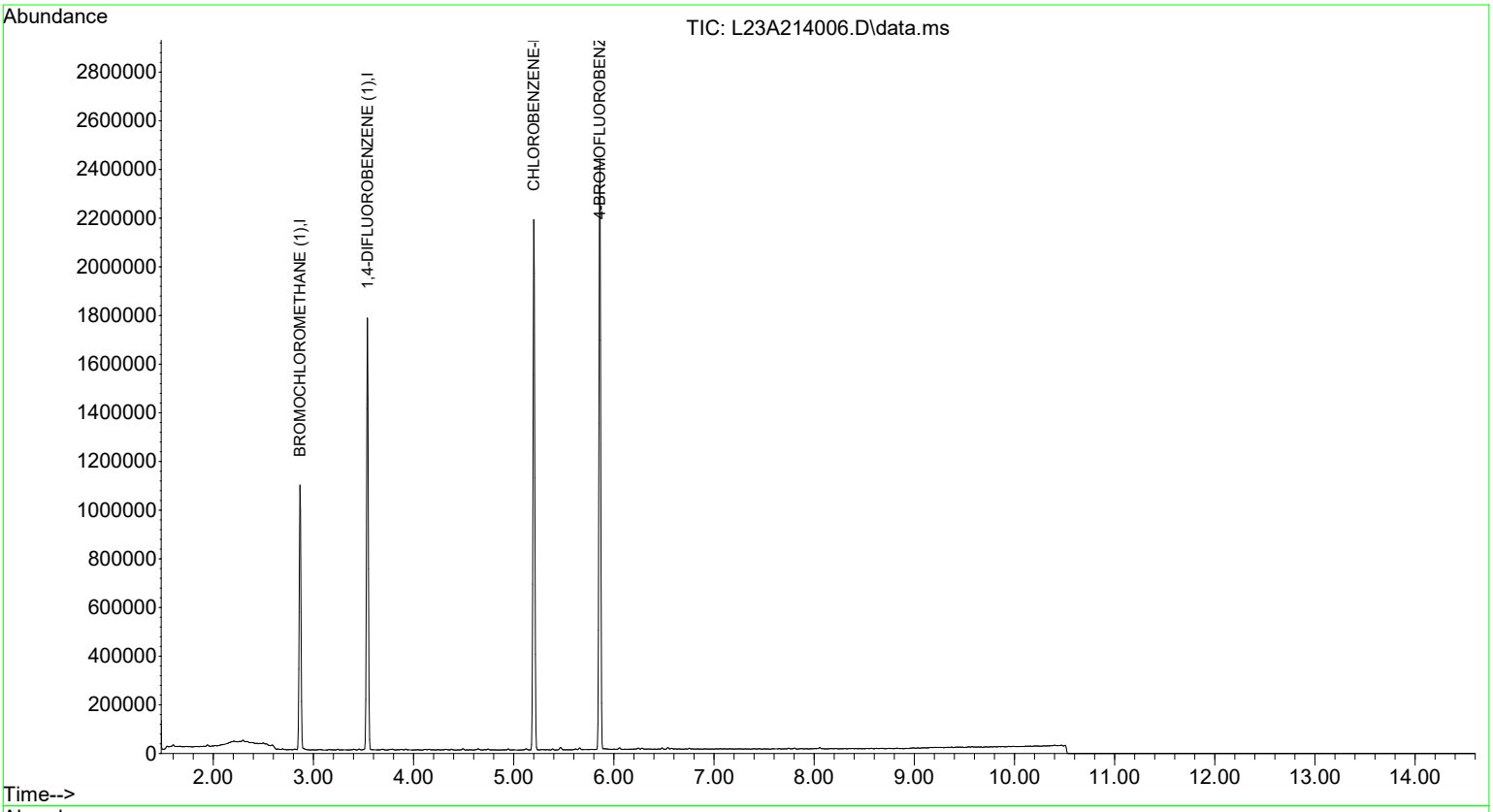
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214006.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

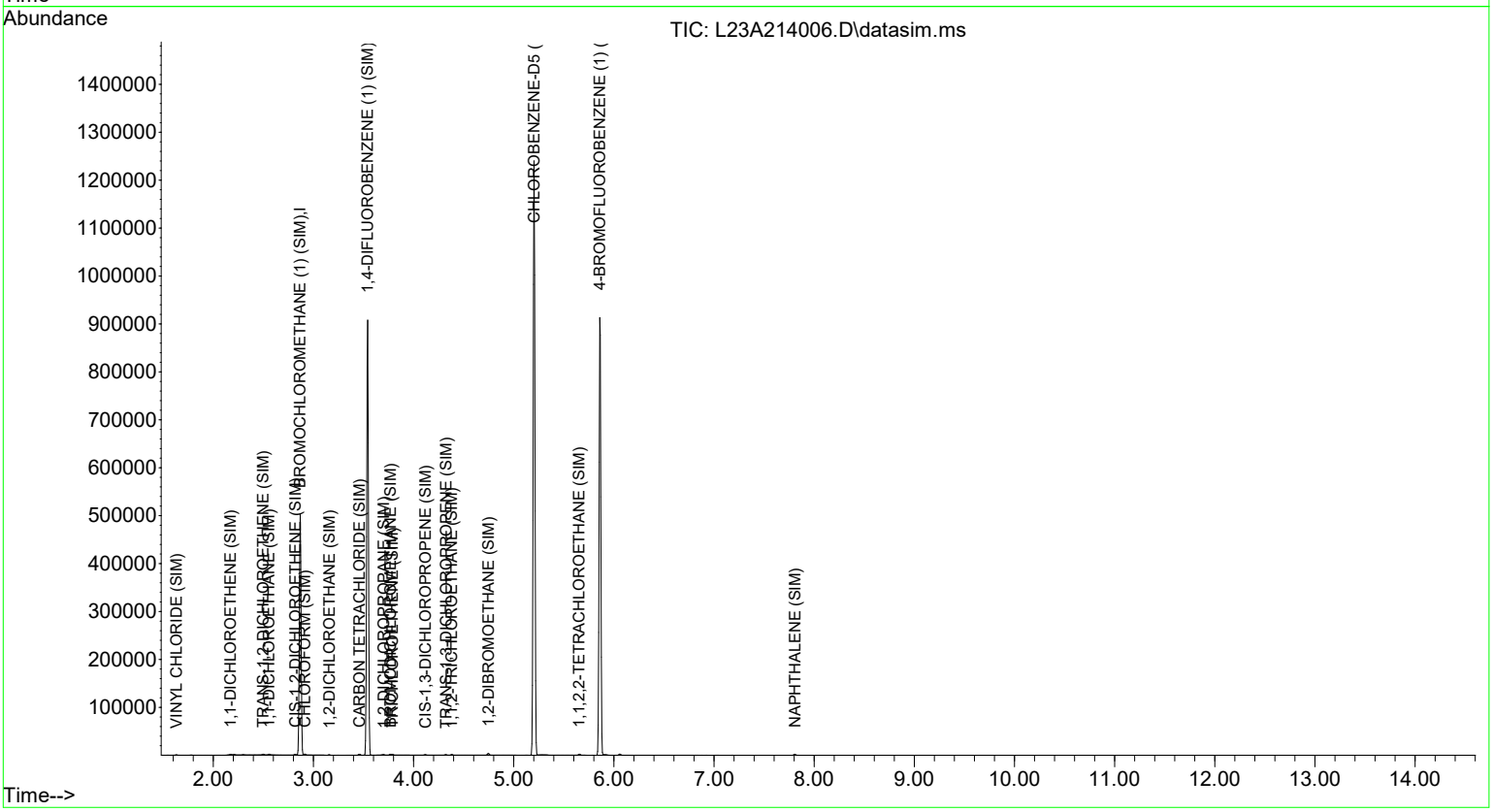
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	327917	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	895980	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	830108	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.868	49	358461	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	948479	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	921003	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.861	174	446368	7.977	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.75%			
88) 4-BROMOFLUOROBENZENE (...	5.859	174	465960	7.924	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.00%			
Target Compounds						Qvalue
70] VINYL CHLORIDE (SIM)	1.633	62	586	0.021	PPBV	96
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	931	0.020	PPBV	100
72] TRANS-1,2-DICHLOROETHE...	2.499	61	1027	0.022	PPBV	96
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	1236	0.022	PPBV	90
74] CIS-1,2-DICHLOROETHENE...	2.820	61	817	0.021	PPBV	99
75] CHLOROFORM (SIM)	2.912	83	1257	0.021	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	822	0.021	PPBV	98
78] CARBON TETRACHLORIDE (...	3.461	117	1248	0.021	PPBV	99
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	639	0.022	PPBV	100
80] BROMODICHLOROMETHANE (...	3.769	83	1337	0.021	PPBV	98
81] TRICHLOROETHENE (SIM)	3.790	95	776	0.021	PPBV	99
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	890	0.020	PPBV	97
83] TRANS-1,3-DICHLOROPROP...	4.323	75	910	0.024	PPBV	96
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	747	0.022	PPBV	95
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	2245	0.039	PPBV	97
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	1517	0.023	PPBV	100
89] NAPHTHALENE (SIM)	7.808	128	2163	0.043	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214006.D Vial: 2
Acq On : 02 Aug 2023 05:24 pm Operator: CMR
Sample : 0.020PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:28 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214006.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

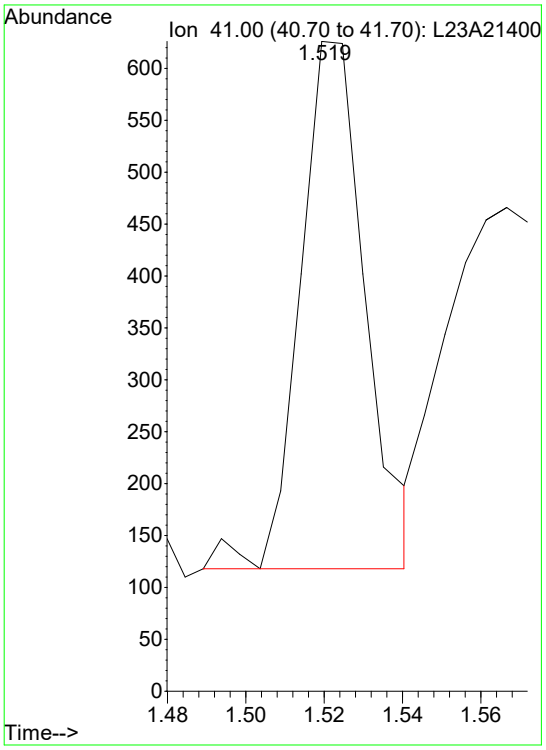




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

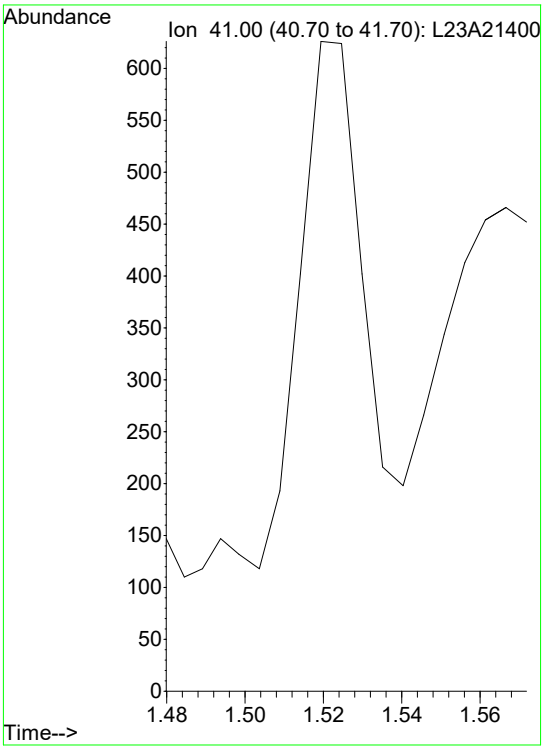
RT : 1.52
Area : 577
Amount: 0.0361468

Manual Int. Results

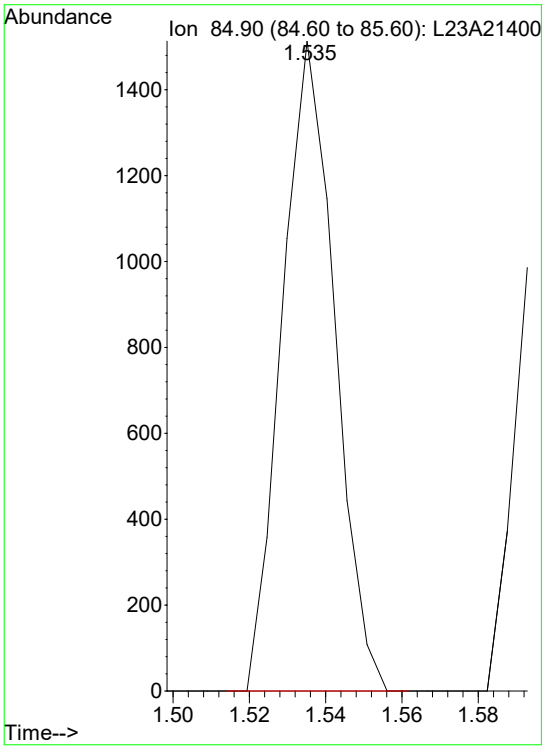
Thu Aug 03 10:29:22 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

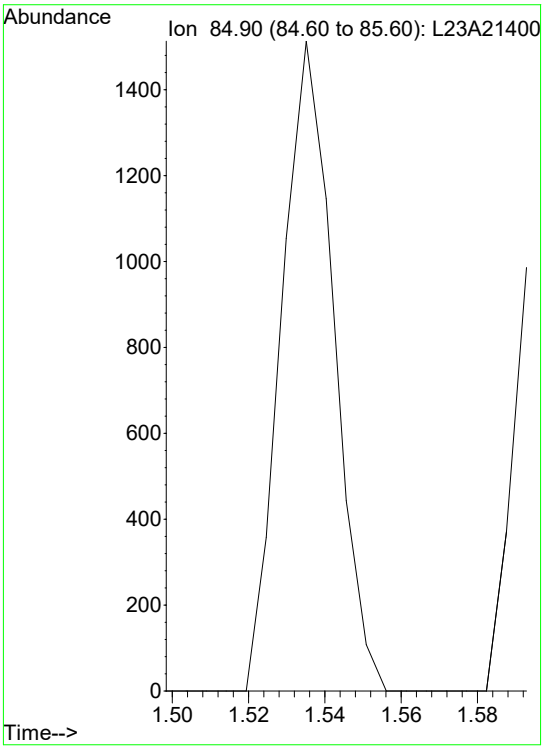
RT : 1.54
Area : 1455
Amount: 0.021972

Manual Int. Results

Thu Aug 03 10:33:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

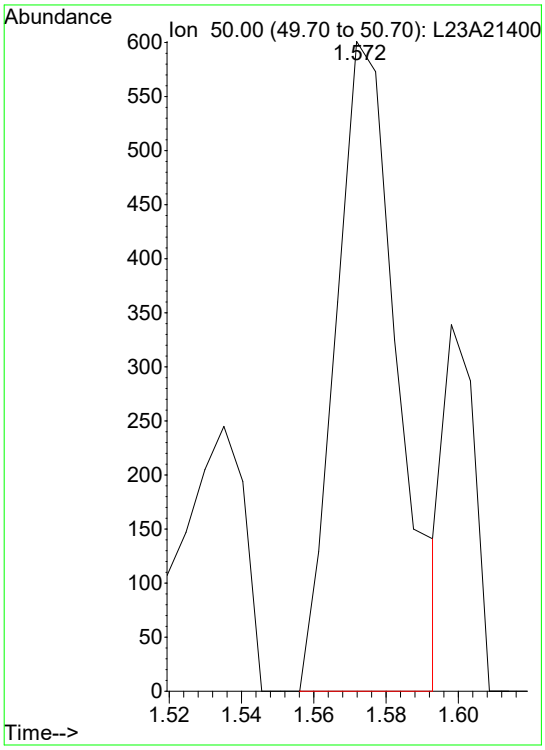
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROMETHANE



Original Int. Results

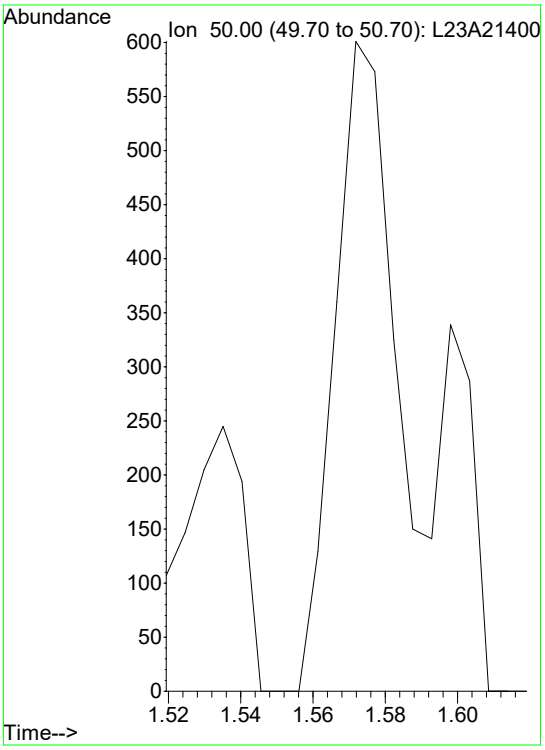
RT : 1.57
Area : 718
Amount: 0.0287304

Manual Int. Results

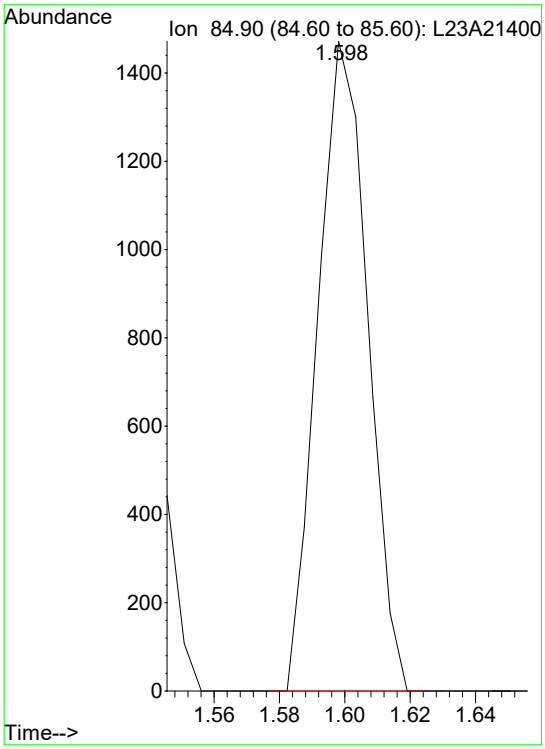
Thu Aug 03 10:32:58 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

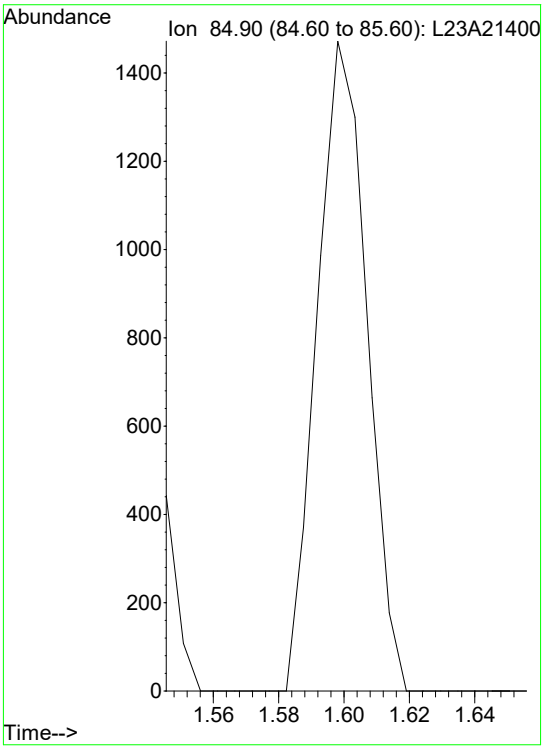
RT : 1.60
Area : 1565
Amount: 0.0234918

Manual Int. Results

Thu Aug 03 10:32:57 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

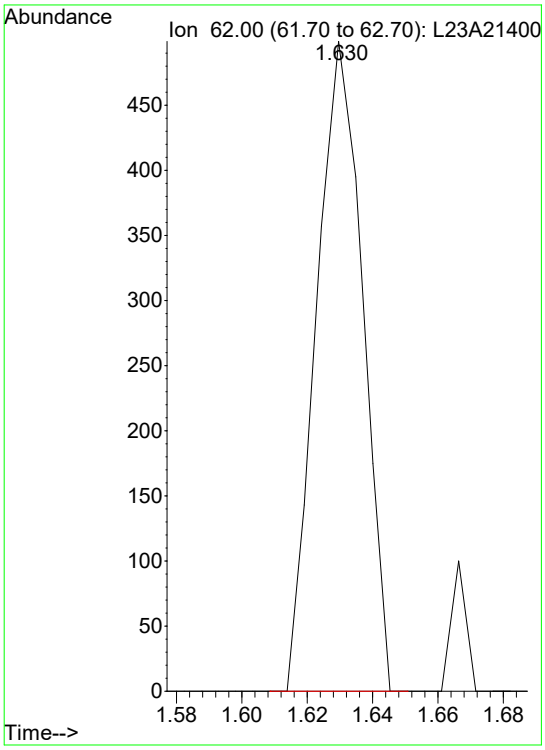
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL CHLORIDE



Original Int. Results

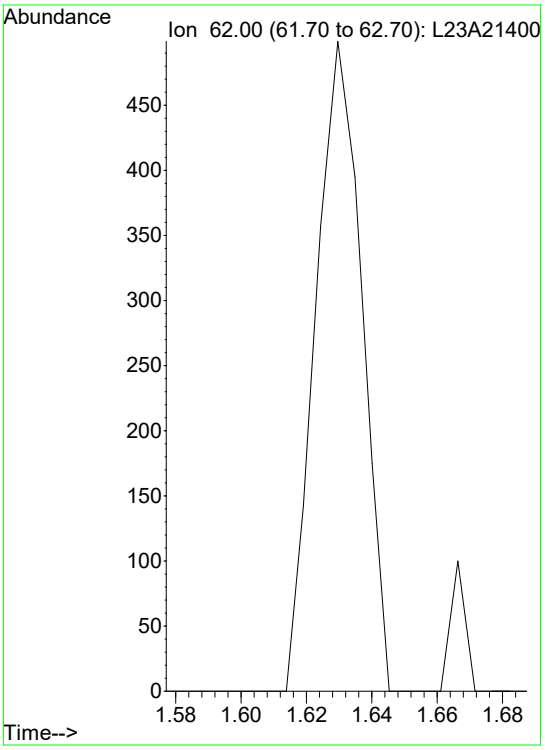
RT : 1.63
Area : 494
Amount: 0.0177982

Manual Int. Results

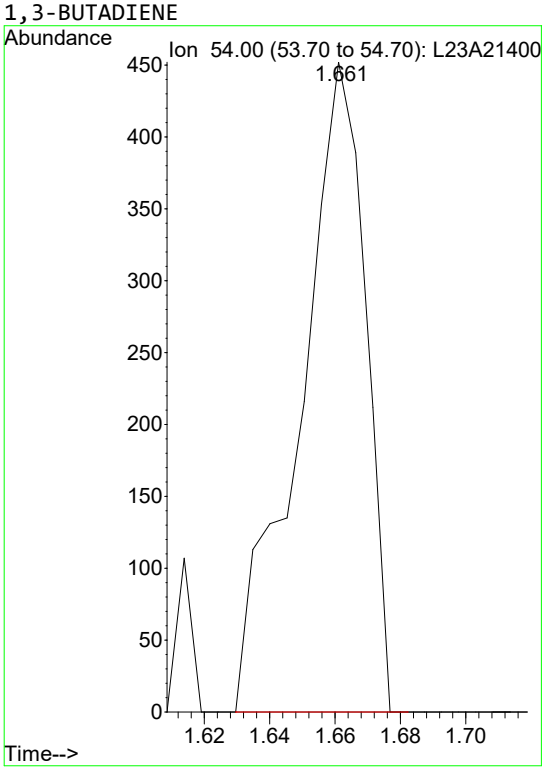
Thu Aug 03 10:32:55 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL CHLORIDE



Original Integration
1,3-BUTADIENE



Original Int. Results

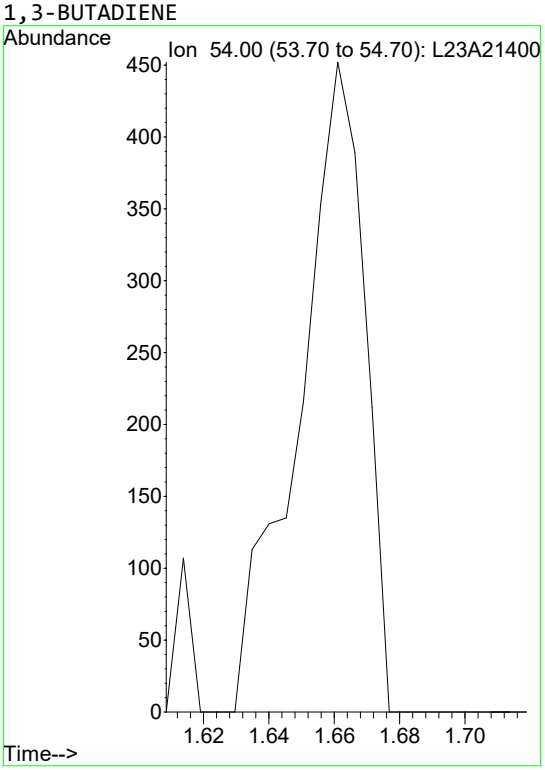
RT : 1.66
Area : 630
Amount: 0.0305981

Manual Int. Results

Thu Aug 03 10:29:43 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

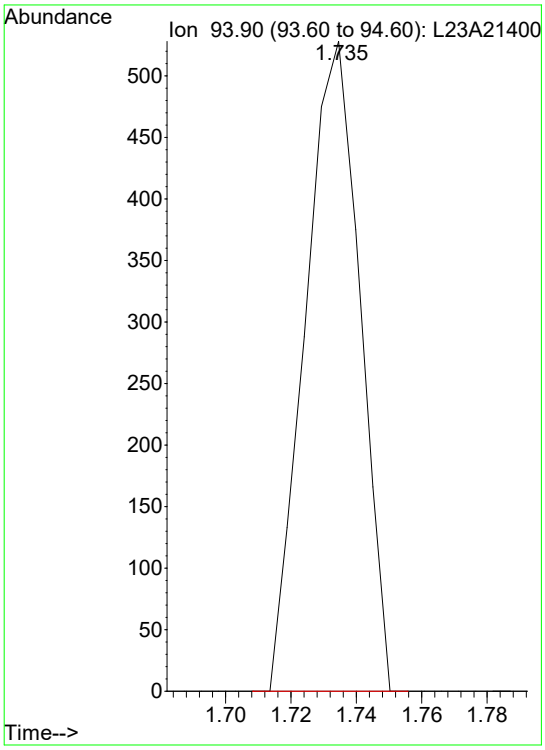
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BROMOMETHANE



Original Int. Results

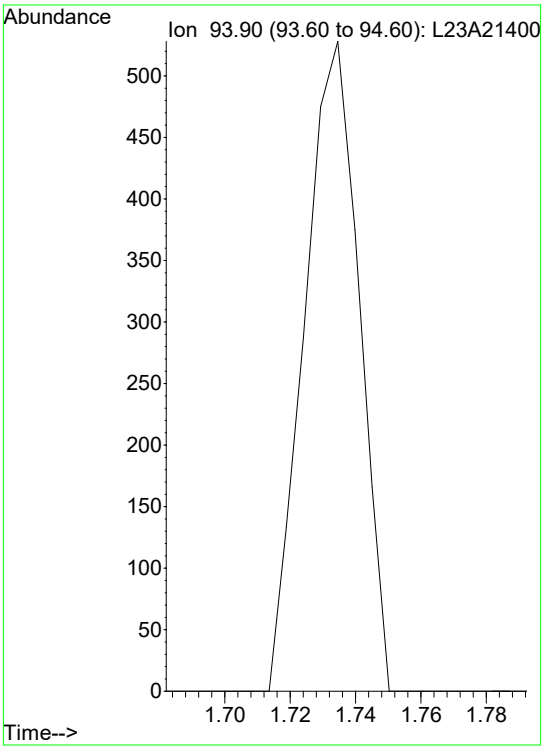
RT : 1.73
Area : 619
Amount: 0.0260523

Manual Int. Results

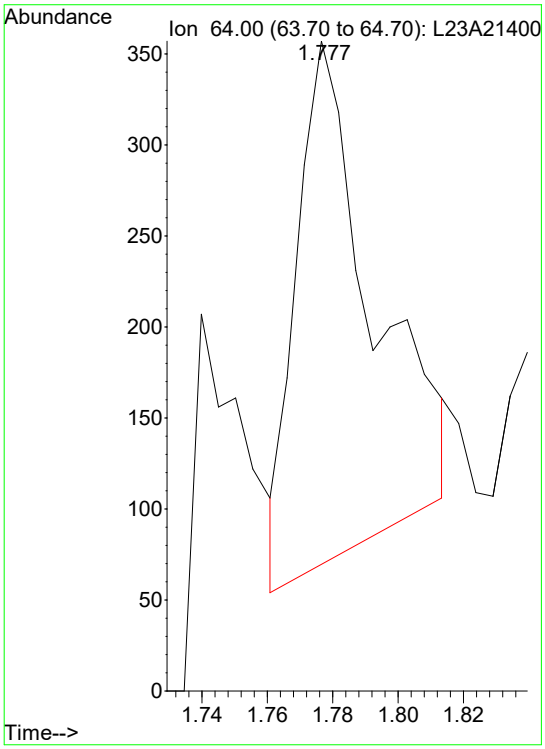
Thu Aug 03 10:32:53 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

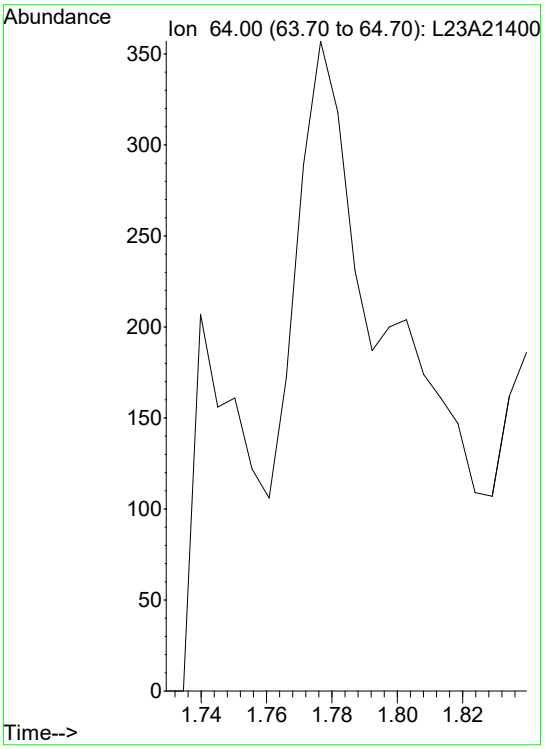
RT : 1.78
Area : 470
Amount: 0.0311591

Manual Int. Results

Thu Aug 03 10:29:49 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

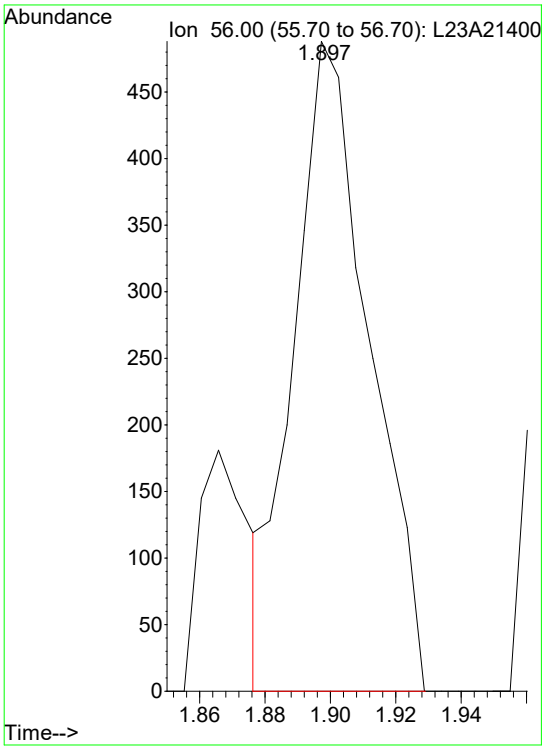
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ACROLEIN



Original Int. Results

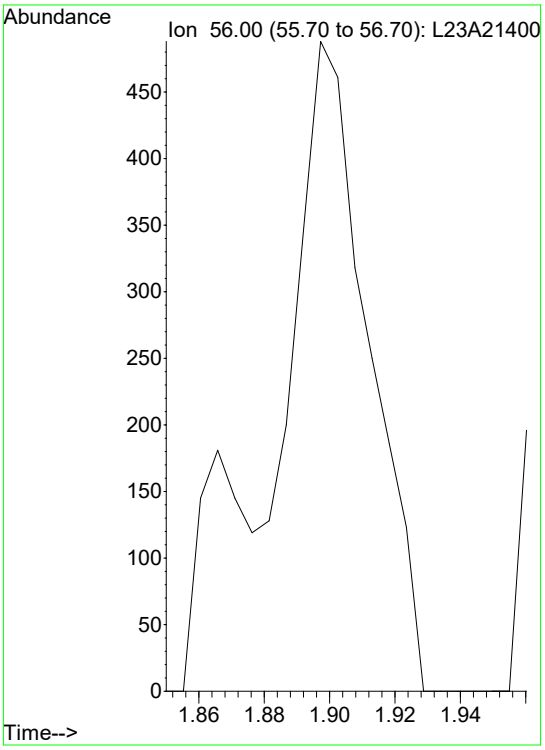
RT : 1.90
Area : 787
Amount: 0.0622441

Manual Int. Results

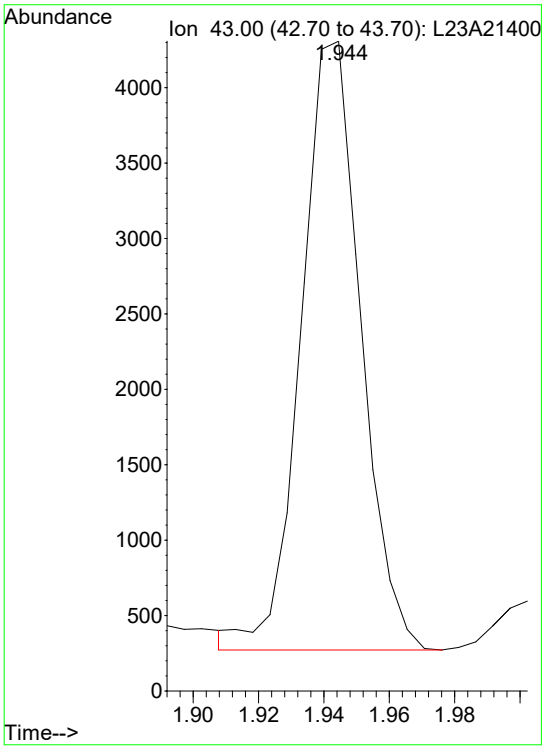
Thu Aug 03 10:30:05 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACROLEIN



Original Integration
ACETONE



Original Int. Results

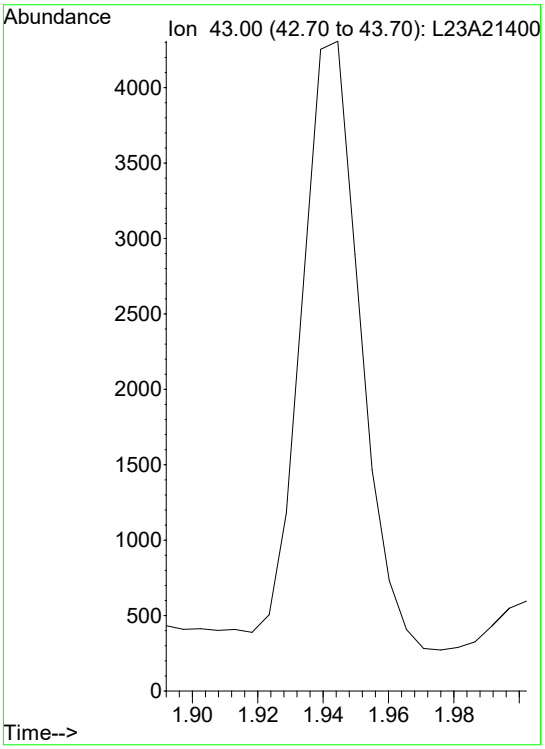
RT : 1.94
Area : 5124
Amount: 0.108925

Manual Int. Results

Thu Aug 03 10:32:50 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

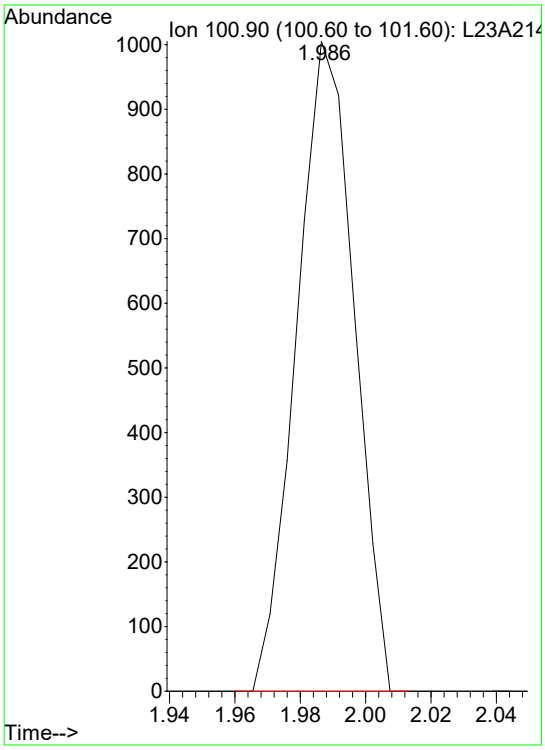
Manual Integration
ACETONE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

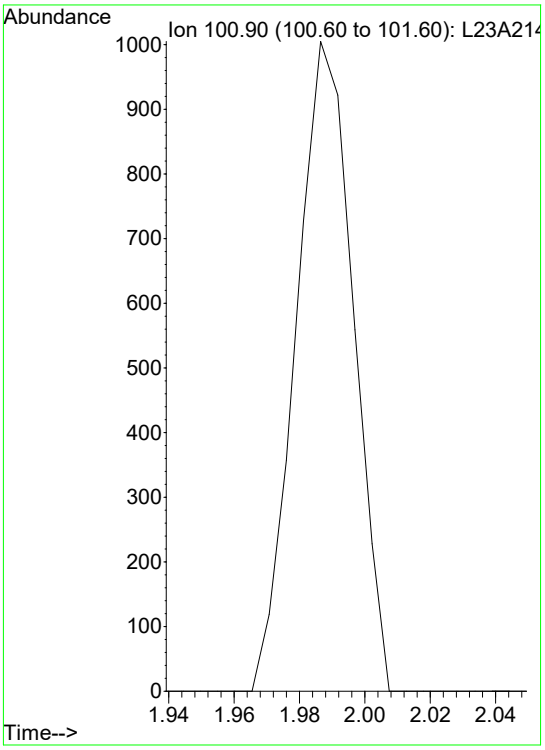
RT : 1.99
Area : 1234
Amount: 0.0180499

Manual Int. Results

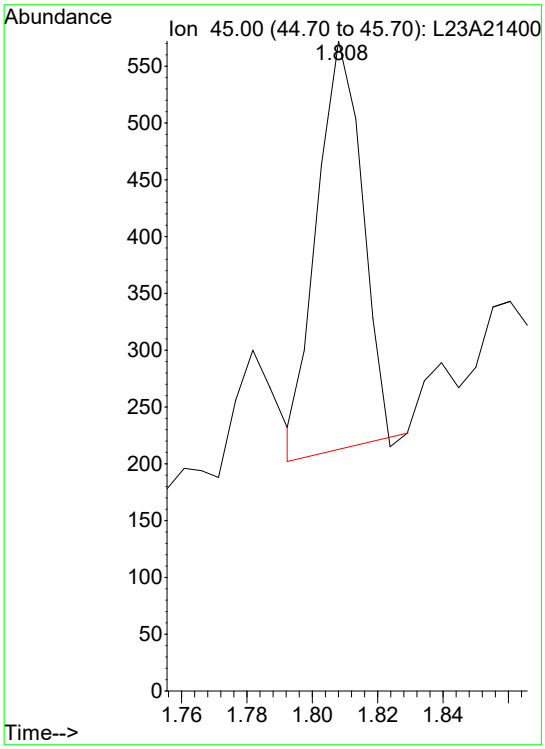
Thu Aug 03 10:32:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROFLUOROMETHANE



Original Integration
ETHANOL



Original Int. Results

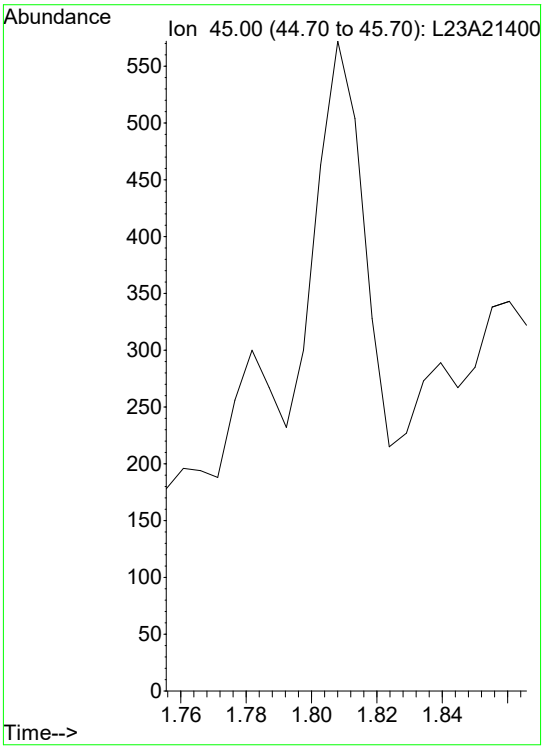
RT : 1.81
Area : 349
Amount: 0.0386548

Manual Int. Results

Thu Aug 03 10:30:11 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

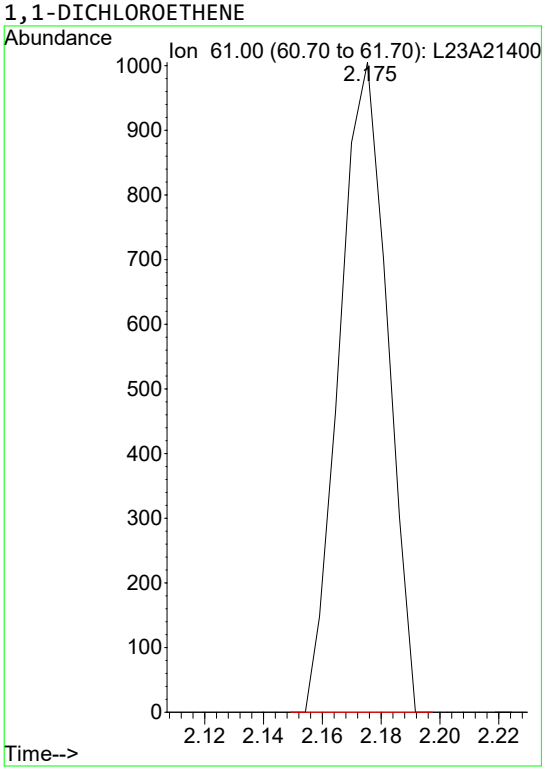
Manual Integration
ETHANOL



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1-DICHLOROETHENE



Original Int. Results

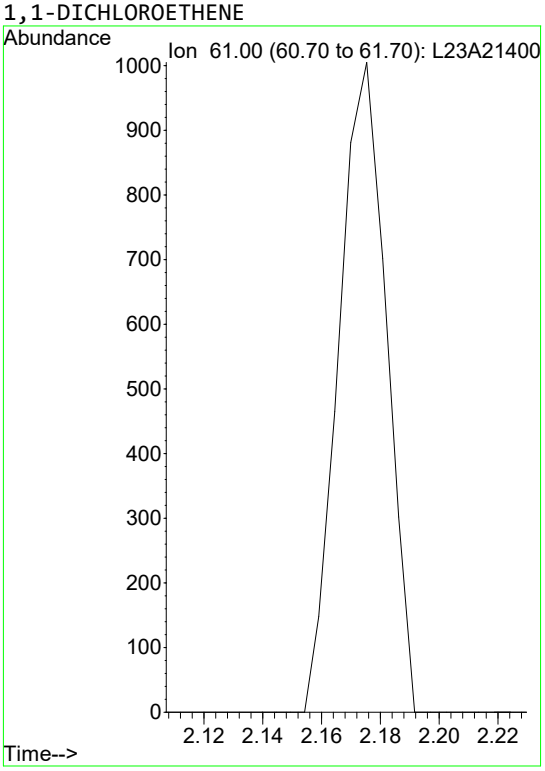
RT : 2.18
Area : 1114
Amount: 0.0246812

Manual Int. Results

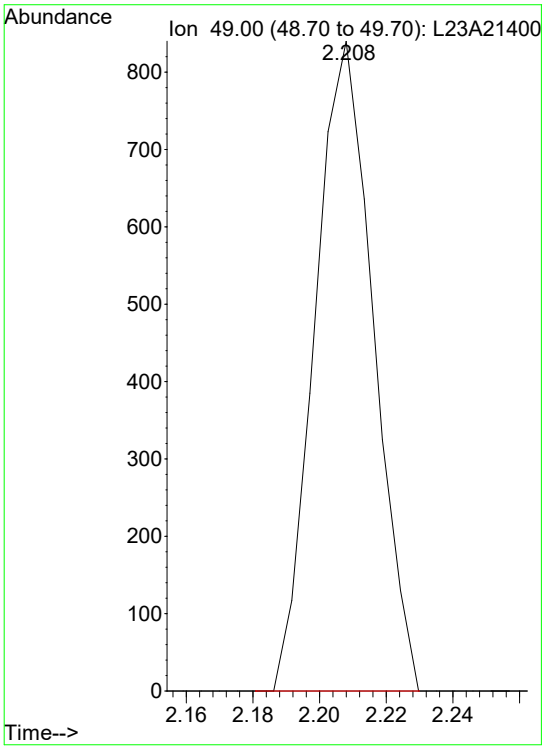
Thu Aug 03 10:32:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHENE



Original Integration
METHYLENE CHLORIDE



Original Int. Results

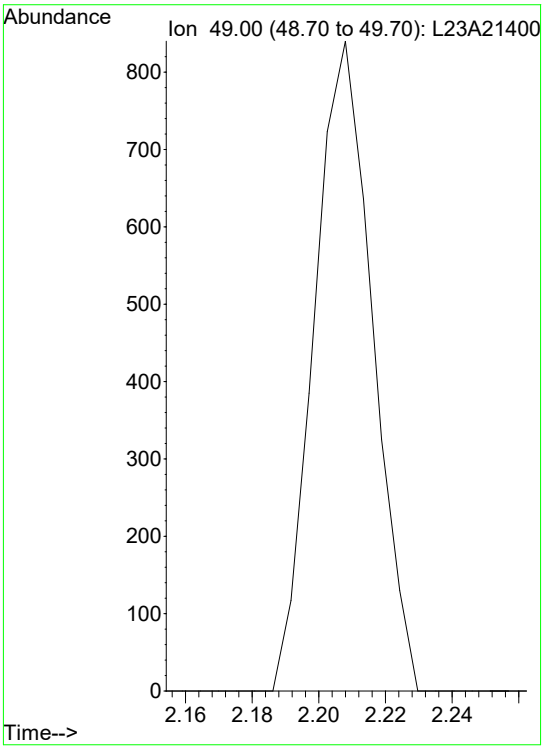
RT : 2.21
Area : 1029
Amount: 0.0314569

Manual Int. Results

Thu Aug 03 10:32:45 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

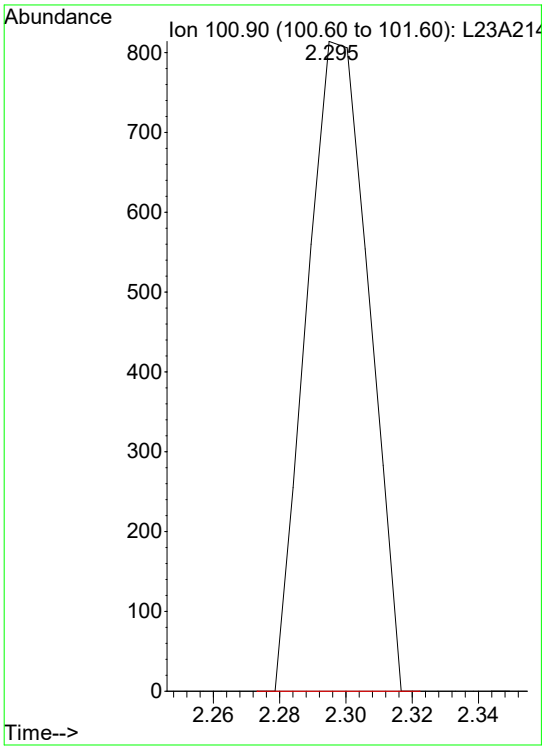
Manual Integration
METHYLENE CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
FREON 113



Original Int. Results

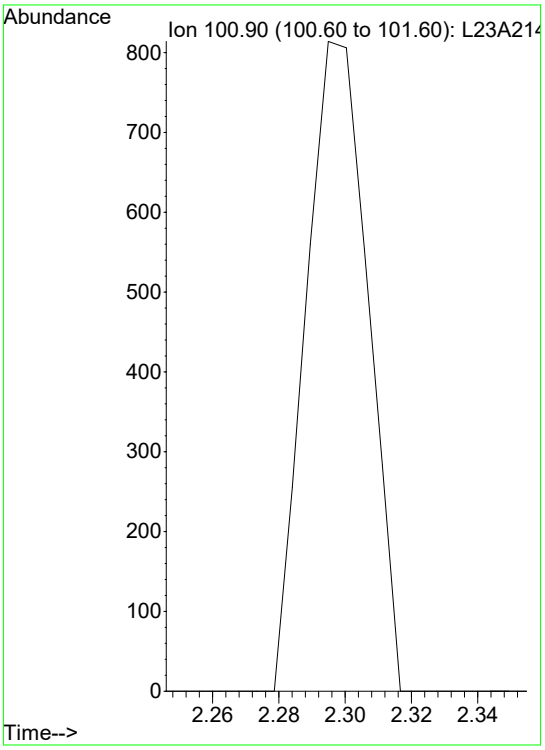
RT : 2.29
Area : 1067
Amount: 0.0194246

Manual Int. Results

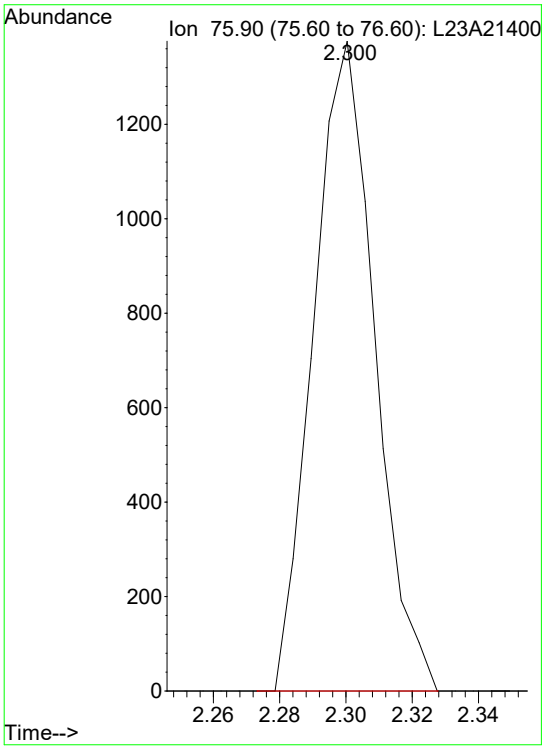
Thu Aug 03 10:32:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 113



Original Integration
CARBON DISULFIDE



Original Int. Results

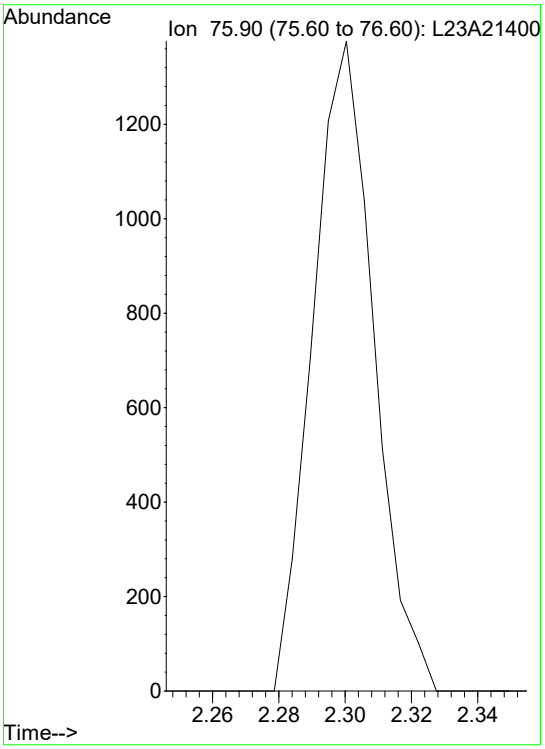
RT : 2.30
Area : 1765
Amount: 0.0221873

Manual Int. Results

Thu Aug 03 10:32:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

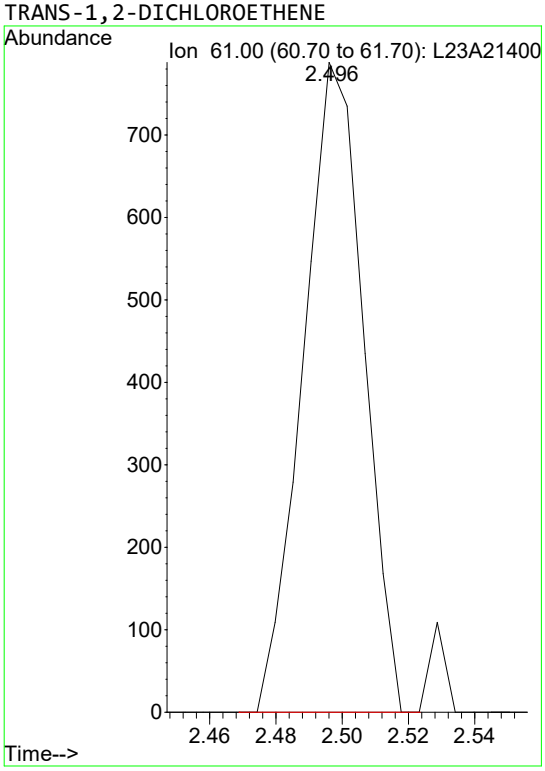
Manual Integration
CARBON DISULFIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRANS-1,2-DICHLOROETHENE



Original Int. Results

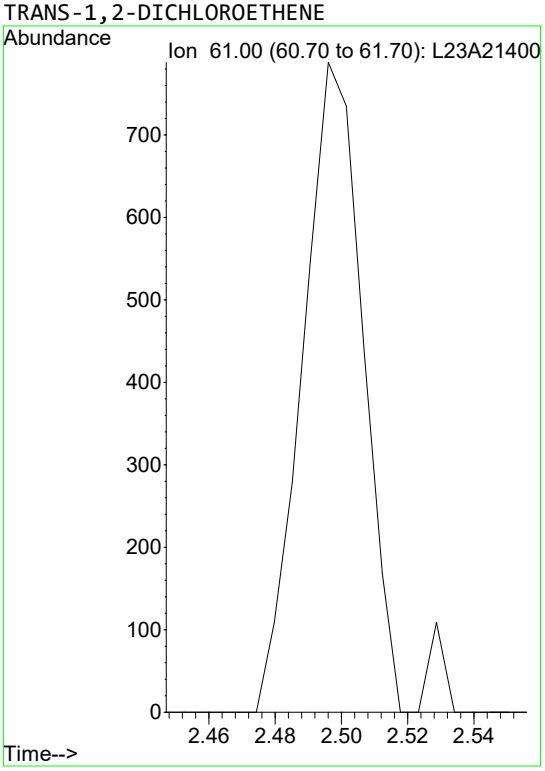
RT : 2.50
Area : 998
Amount: 0.0231649

Manual Int. Results

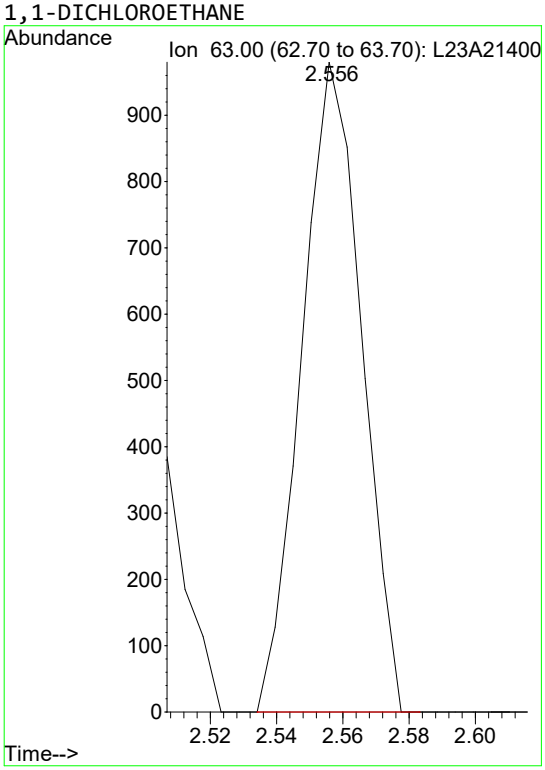
Thu Aug 03 10:32:40 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRANS-1,2-DICHLOROETHENE



Original Integration
1,1-DICHLOROETHANE



Original Int. Results

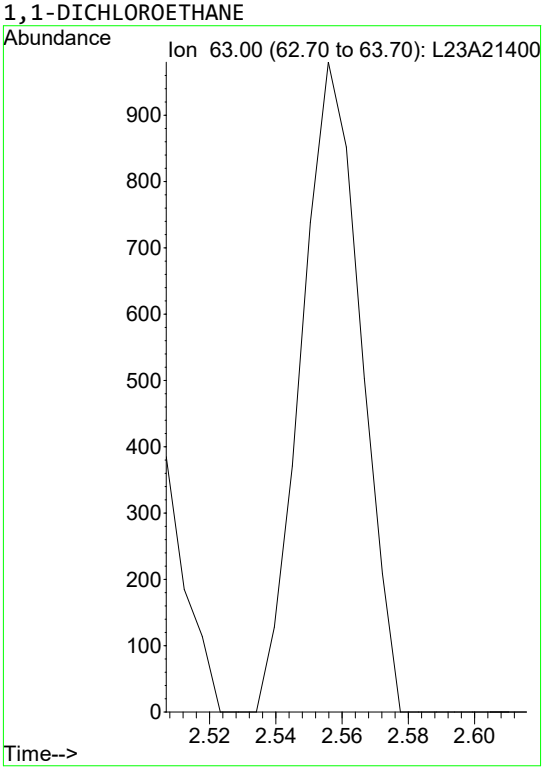
RT : 2.56
Area : 1233
Amount: 0.0234113

Manual Int. Results

Thu Aug 03 10:32:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

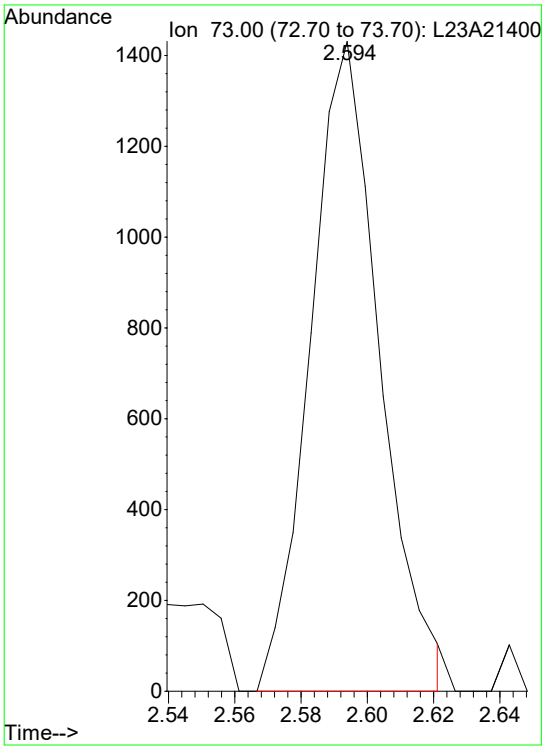
Manual Integration
1,1-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
MTBE



Original Int. Results

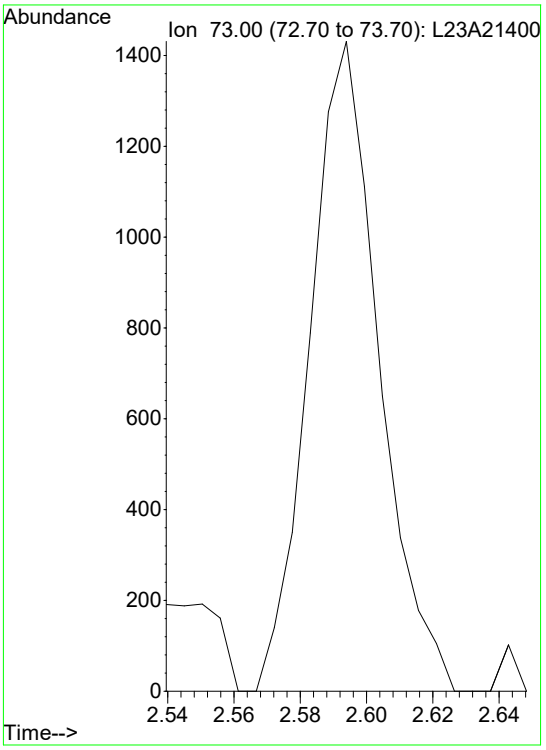
RT : 2.59
Area : 2078
Amount: 0.0241701

Manual Int. Results

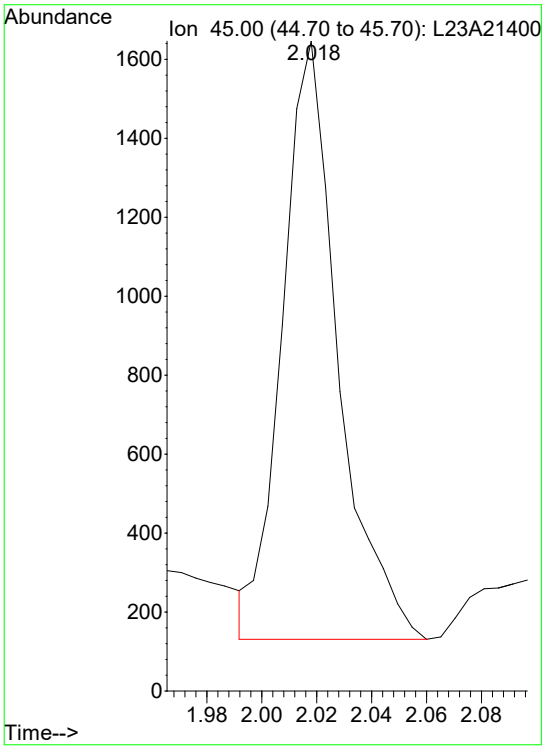
Thu Aug 03 10:32:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MTBE



Original Integration
IPA



Original Int. Results

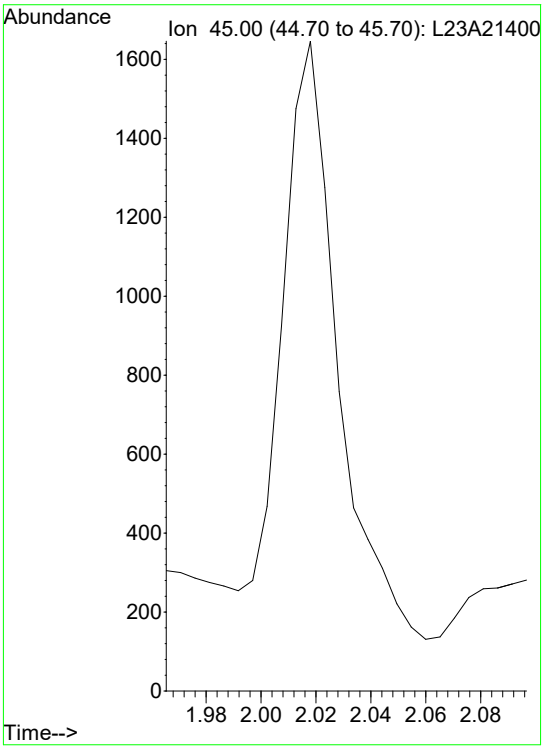
RT : 2.02
Area : 2141
Amount: 0.0449299

Manual Int. Results

Thu Aug 03 10:32:35 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

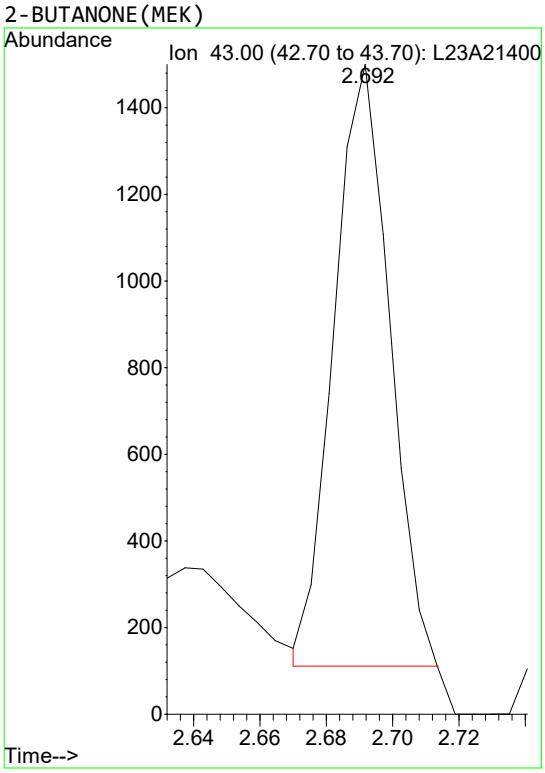
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

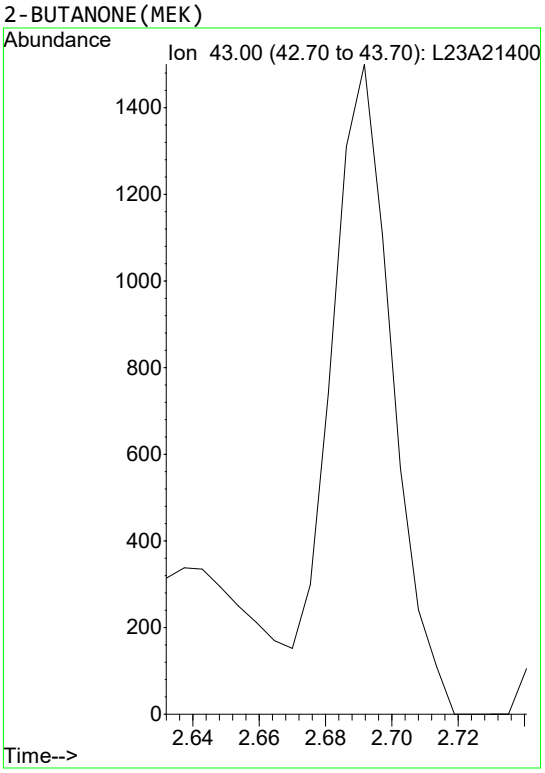
RT : 2.69
Area : 1627
Amount: 0.0315725

Manual Int. Results

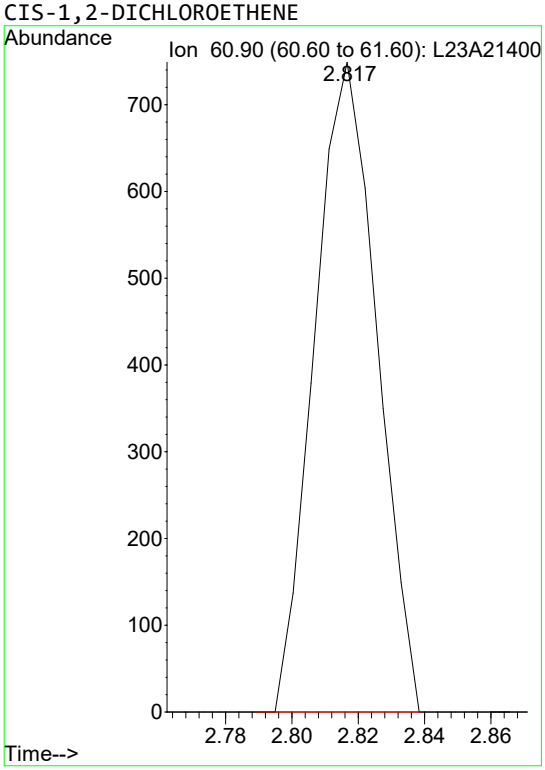
Thu Aug 03 10:32:33 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

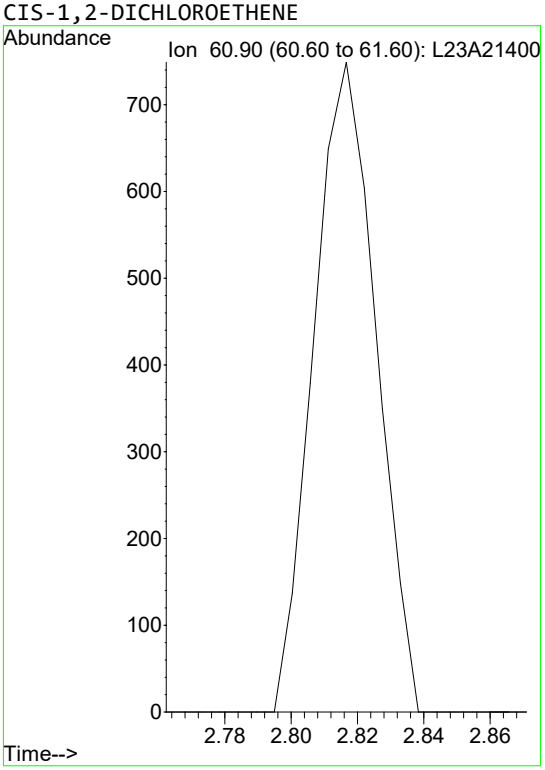
RT : 2.82
Area : 983
Amount: 0.0269427

Manual Int. Results

Thu Aug 03 10:32:32 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

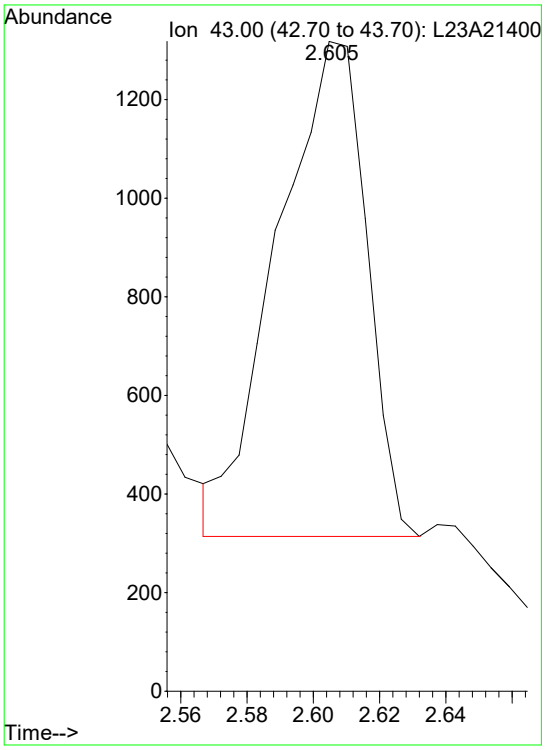
Manual Integration
CIS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

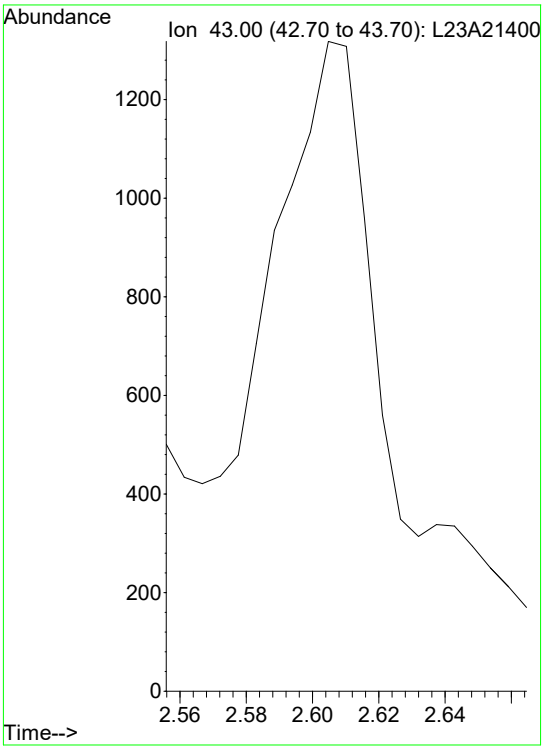
RT : 2.60
Area : 1878
Amount: 0.0321517

Manual Int. Results

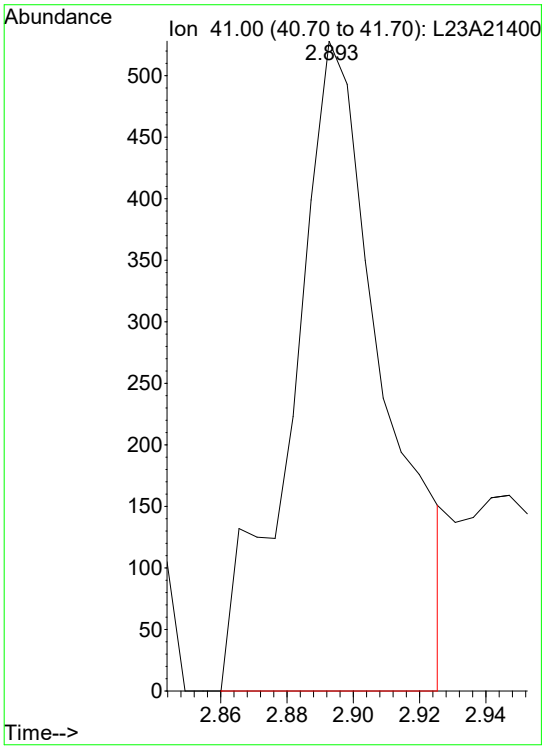
Thu Aug 03 10:30:31 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Original Integration
HEXANE



Original Int. Results

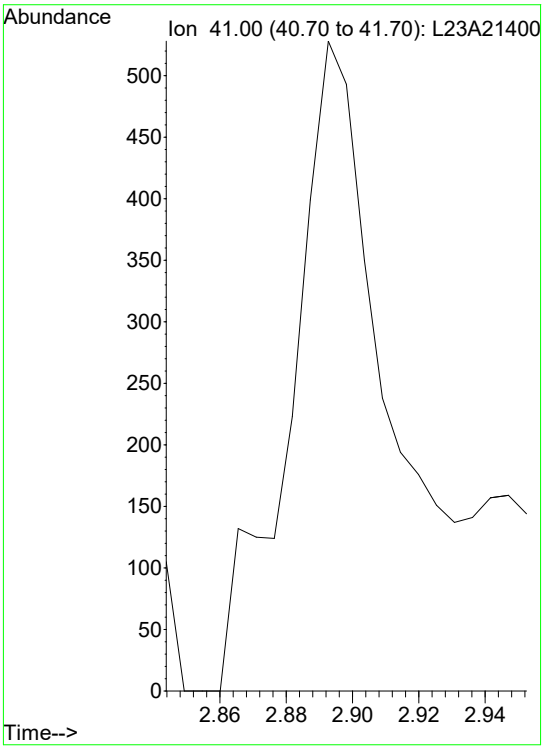
RT : 2.89
Area : 1022
Amount: 0.0348283

Manual Int. Results

Thu Aug 03 10:30:42 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

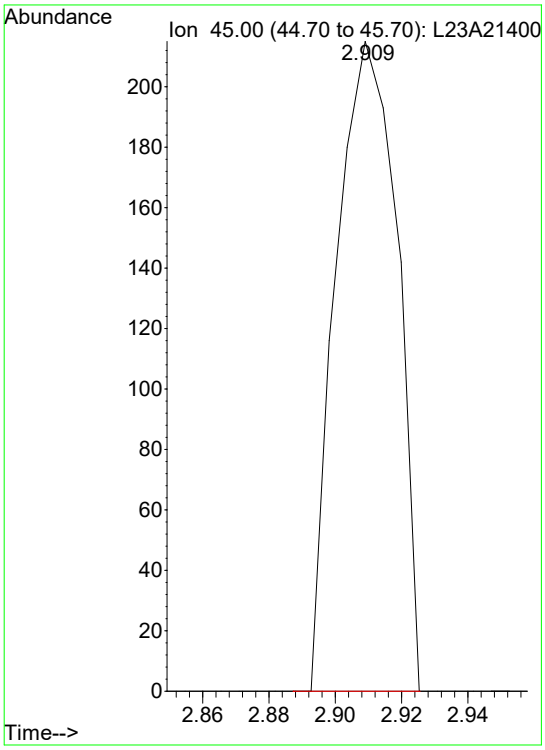
Manual Integration
HEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHYL ACETATE



Original Int. Results

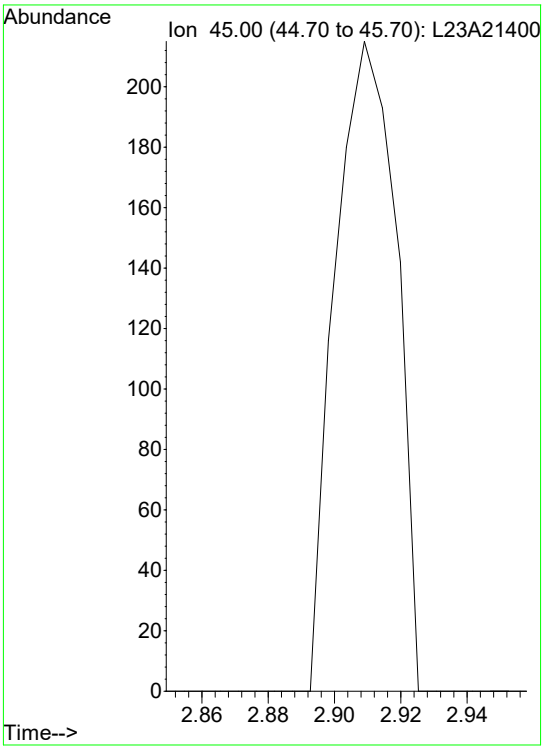
RT : 2.91
Area : 276
Amount: 0.0281773

Manual Int. Results

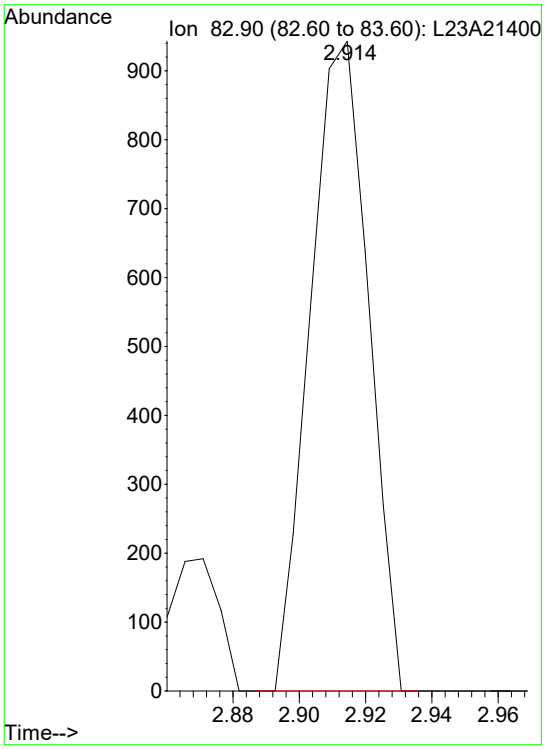
Thu Aug 03 10:30:48 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL ACETATE



Original Integration
CHLOROFORM



Original Int. Results

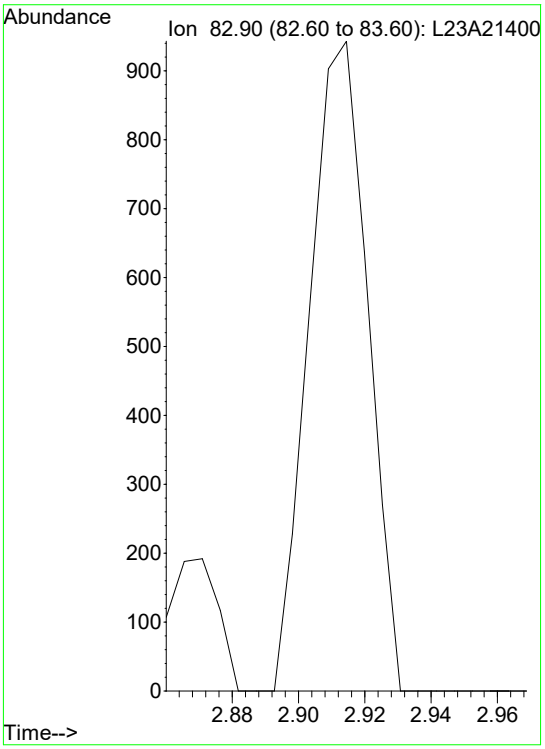
RT : 2.91
Area : 1158
Amount: 0.0201546

Manual Int. Results

Thu Aug 03 10:32:29 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

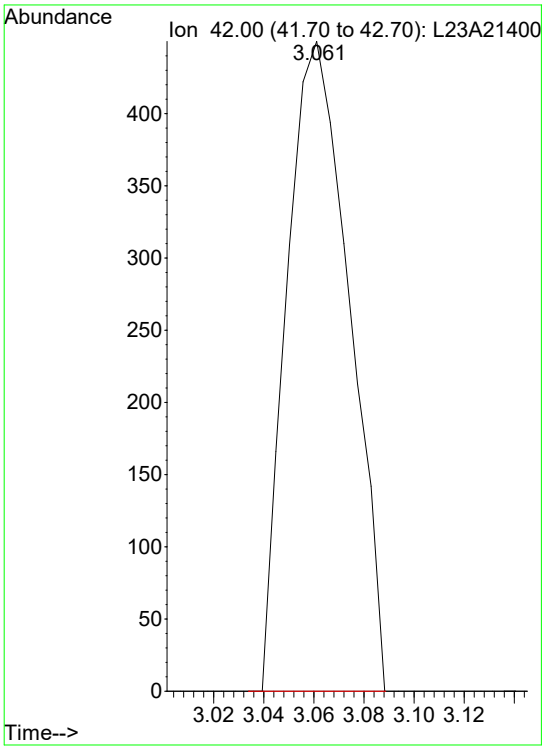
Manual Integration
CHLOROFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

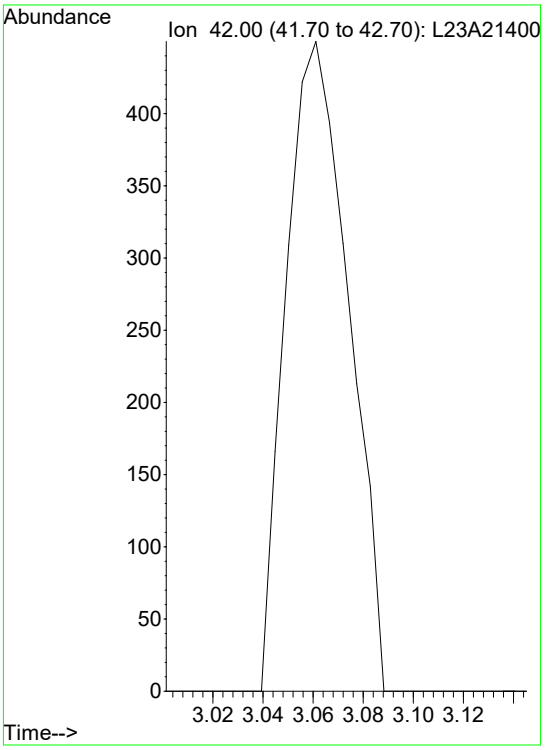
RT : 3.06
Area : 784
Amount: 0.0197914

Manual Int. Results

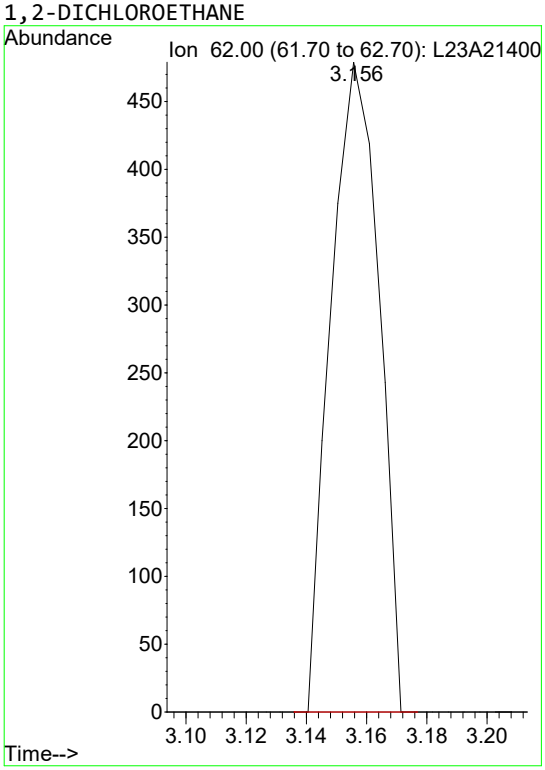
Thu Aug 03 10:30:53 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
1,2-DICHLOROETHANE



Original Int. Results

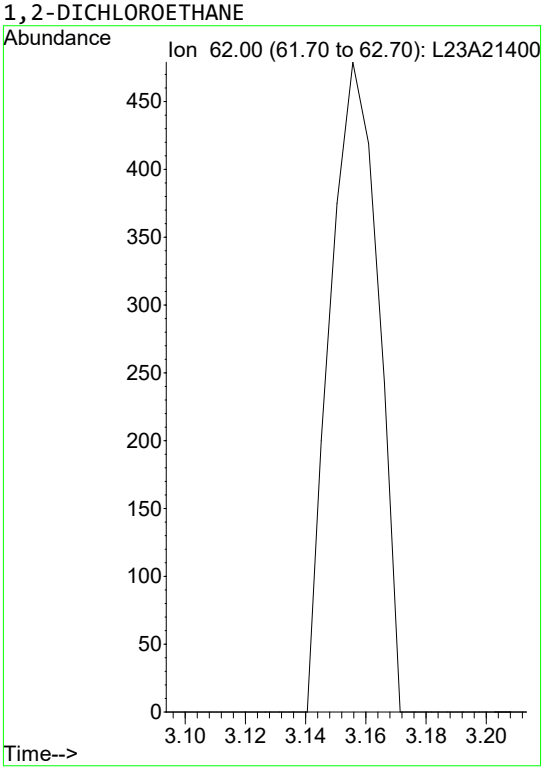
RT : 3.16
Area : 524
Amount: 0.0139424

Manual Int. Results

Thu Aug 03 10:32:27 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

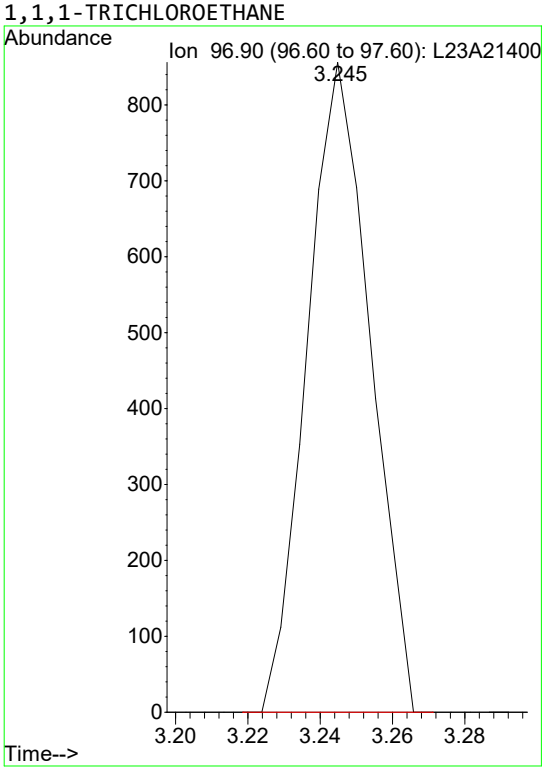
Manual Integration
1,2-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,1-TRICHLOROETHANE



Original Int. Results

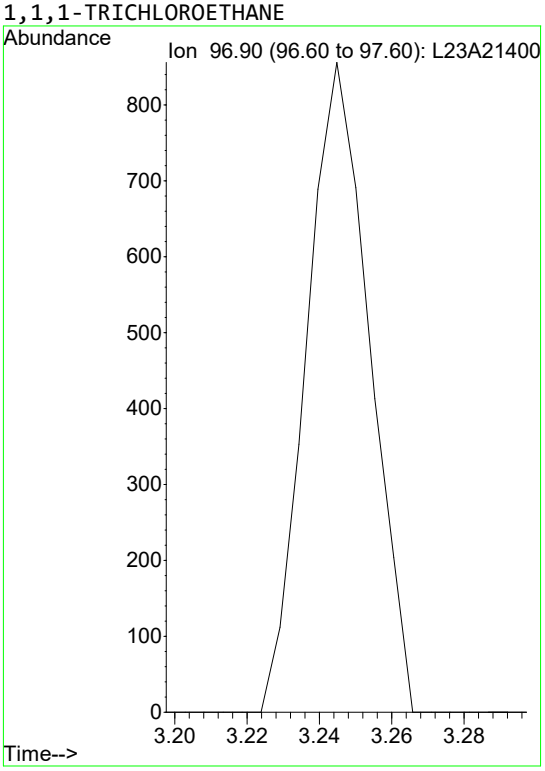
RT : 3.24
Area : 1044
Amount: 0.0194259

Manual Int. Results

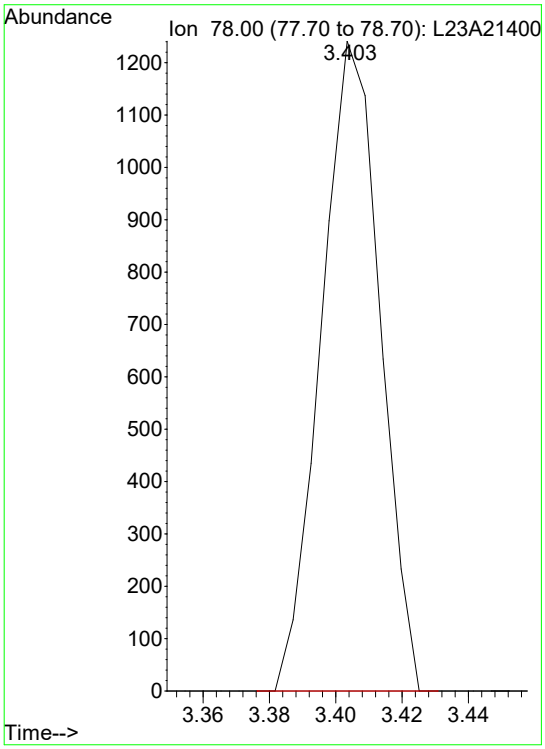
Thu Aug 03 10:32:25 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,1-TRICHLOROETHANE



Original Integration
BENZENE



Original Int. Results

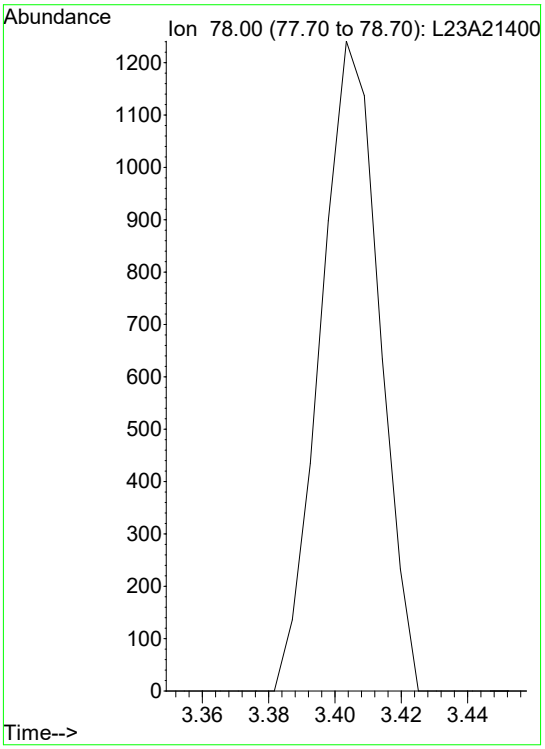
RT : 3.40
Area : 1536
Amount: 0.0191334

Manual Int. Results

Thu Aug 03 10:32:24 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

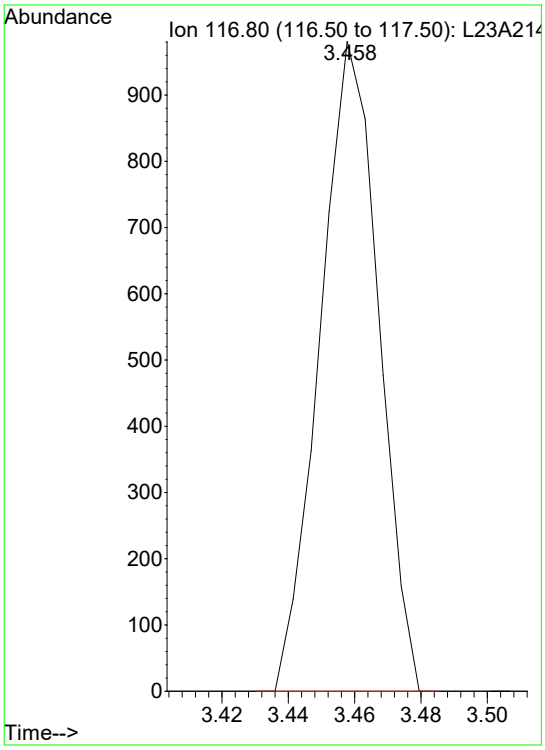
Manual Integration
BENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CARBON TETRACHLORIDE



Original Int. Results

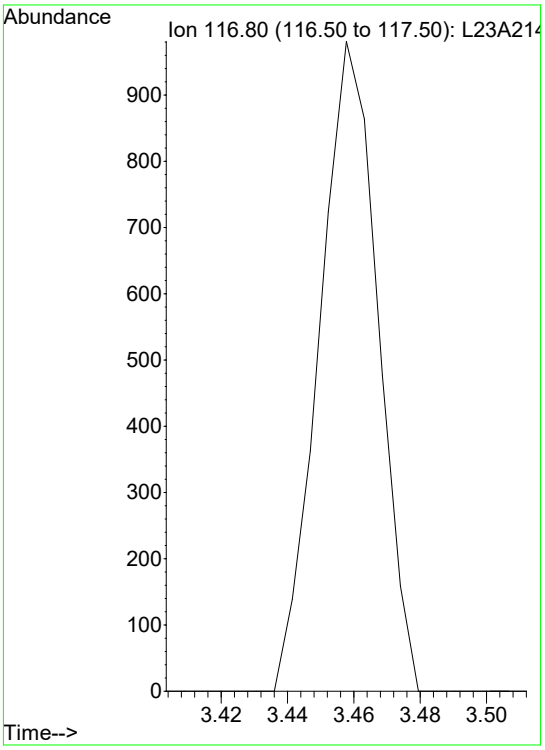
RT : 3.46
Area : 1208
Amount: 0.0222111

Manual Int. Results

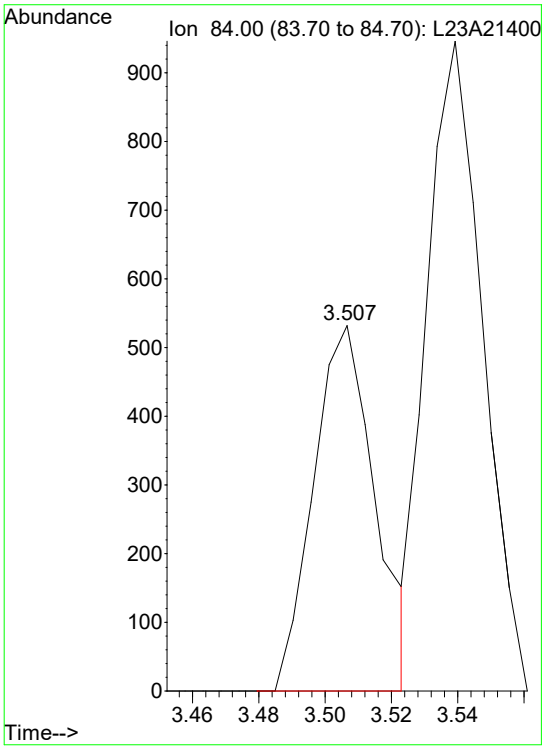
Thu Aug 03 10:32:22 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON TETRACHLORIDE



Original Integration
CYCLOHEXANE



Original Int. Results

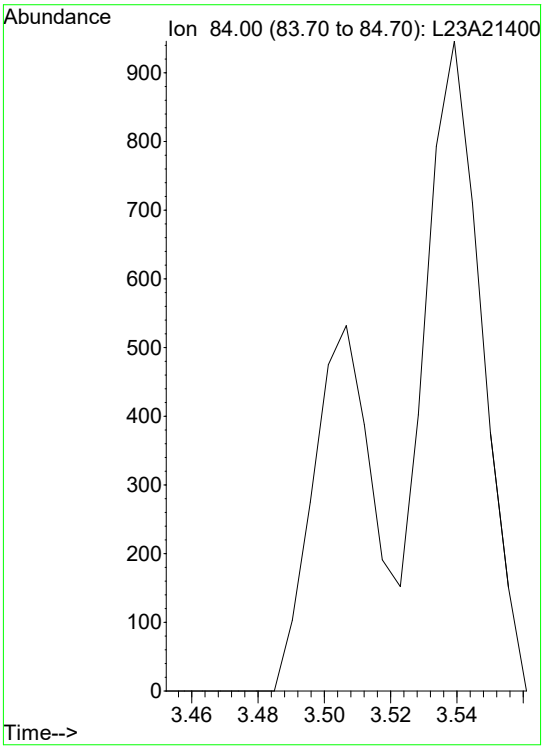
RT : 3.51
Area : 690
Amount: 0.0213533

Manual Int. Results

Thu Aug 03 10:32:21 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

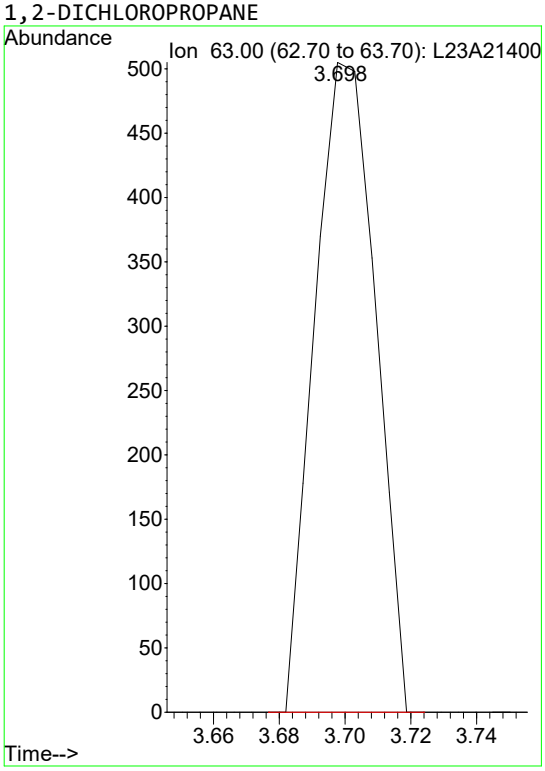
Manual Integration
CYCLOHEXANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

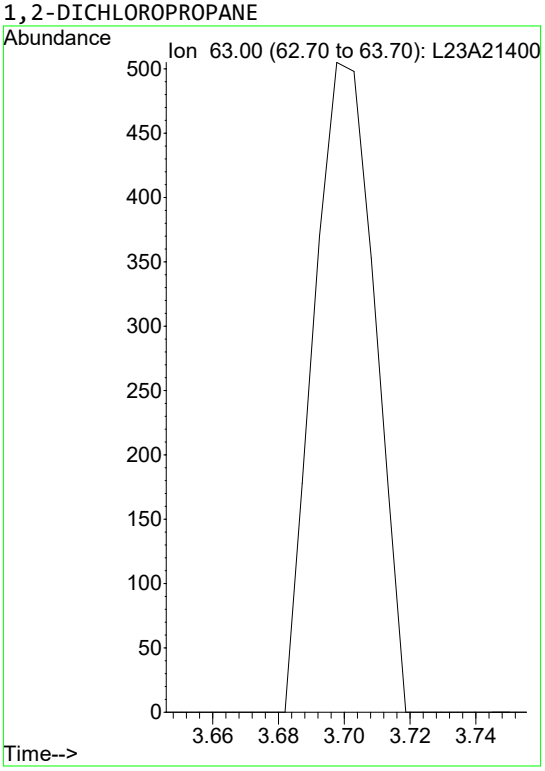
RT : 3.70
Area : 653
Amount: 0.0233029

Manual Int. Results

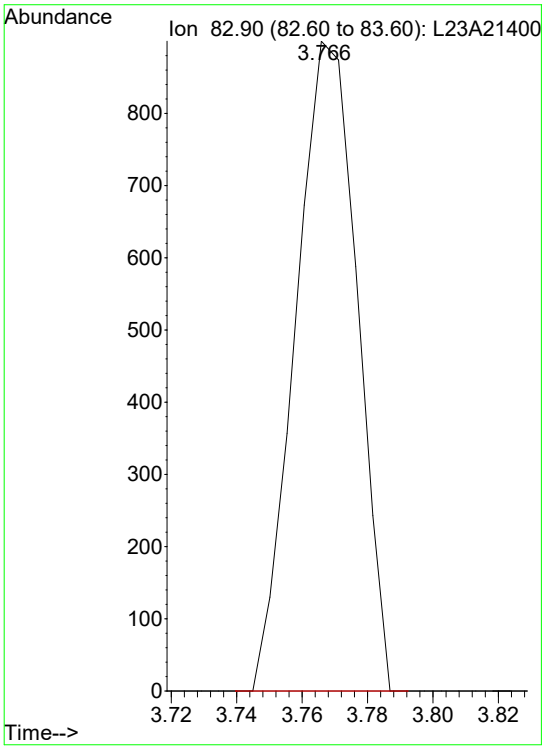
Thu Aug 03 10:32:19 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE



Original Integration
BROMODICHLOROMETHANE



Original Int. Results

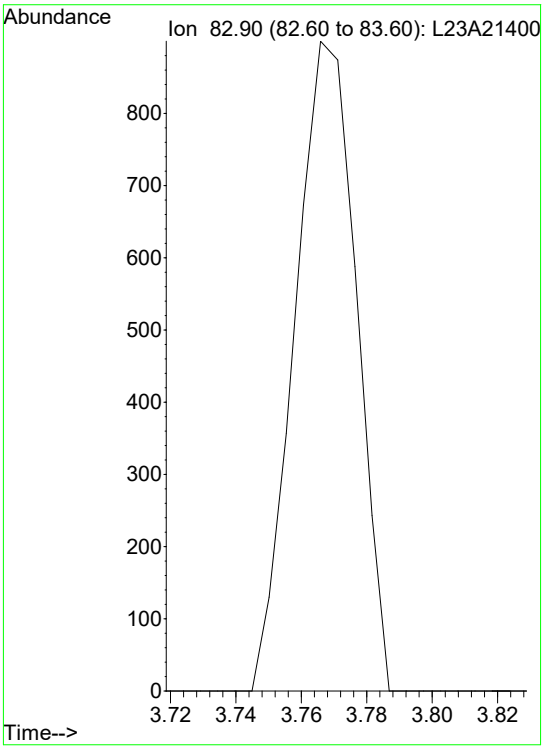
RT : 3.77
Area : 1185
Amount: 0.0207774

Manual Int. Results

Thu Aug 03 10:32:18 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

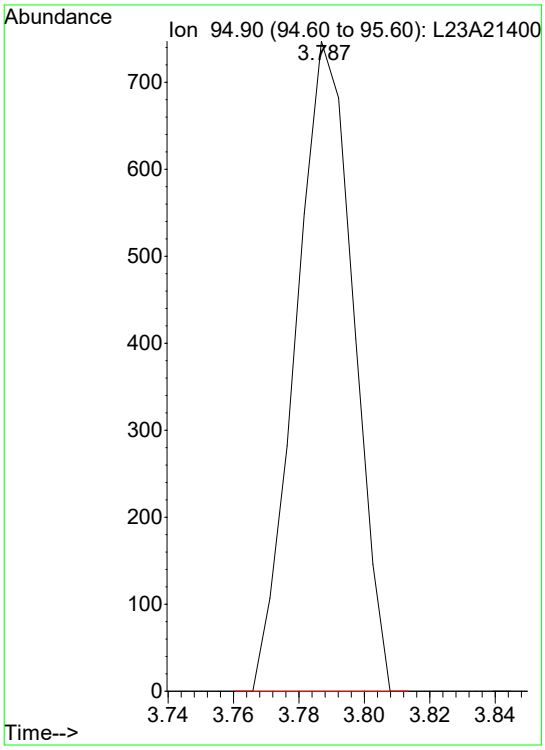
Manual Integration
BROMODICHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TRICHLOROETHENE



Original Int. Results

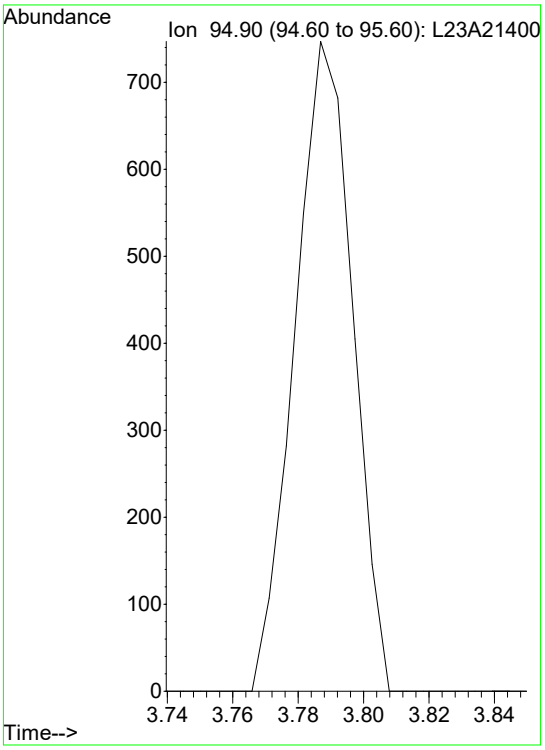
RT : 3.79
Area : 918
Amount: 0.0257284

Manual Int. Results

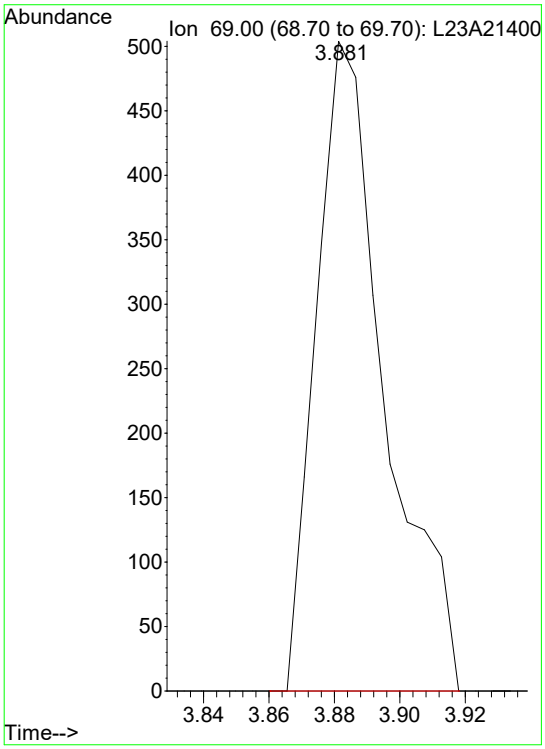
Thu Aug 03 10:32:16 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TRICHLOROETHENE



Original Integration
METHYLMETHACRYLATE



Original Int. Results

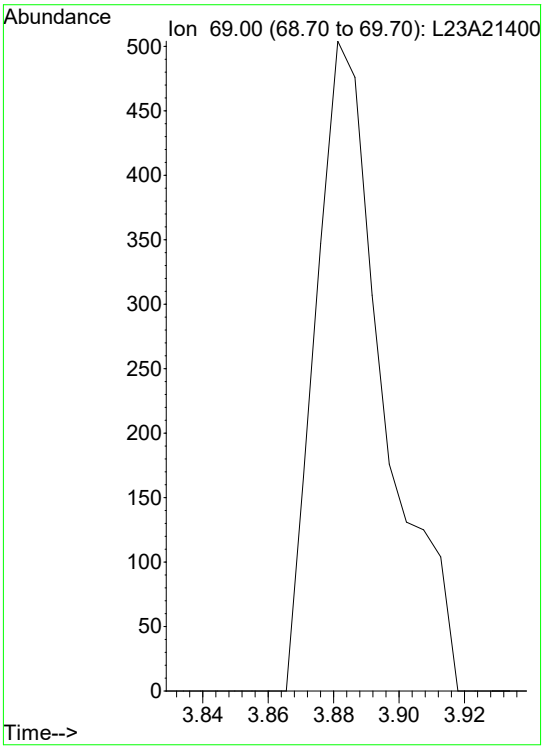
RT : 3.88
Area : 735
Amount: 0.0270441

Manual Int. Results

Thu Aug 03 10:32:14 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

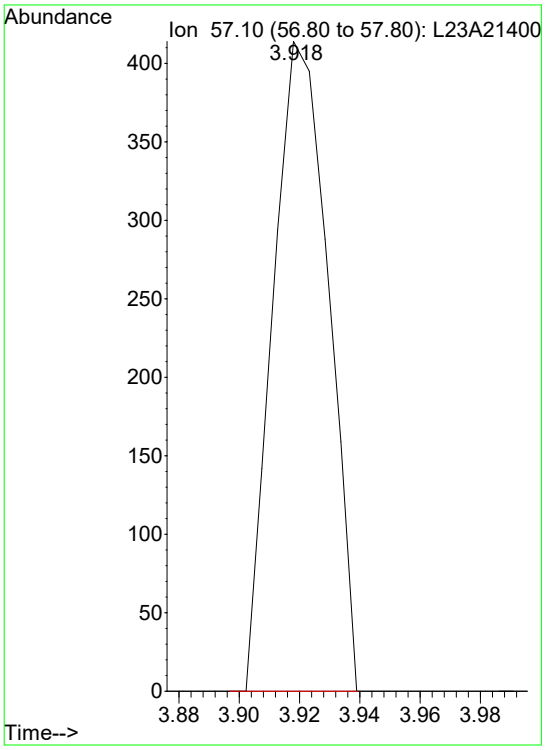
Manual Integration
METHYLMETHACRYLATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEPTANE



Original Int. Results

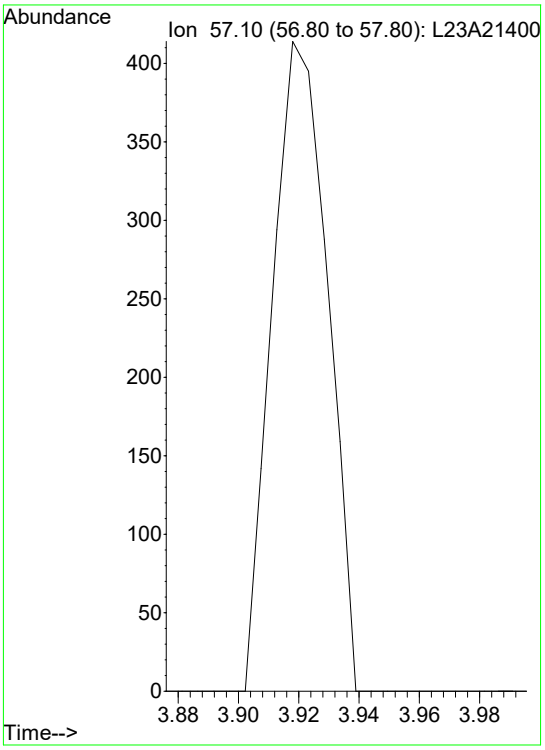
RT : 3.92
Area : 532
Amount: 0.0150252

Manual Int. Results

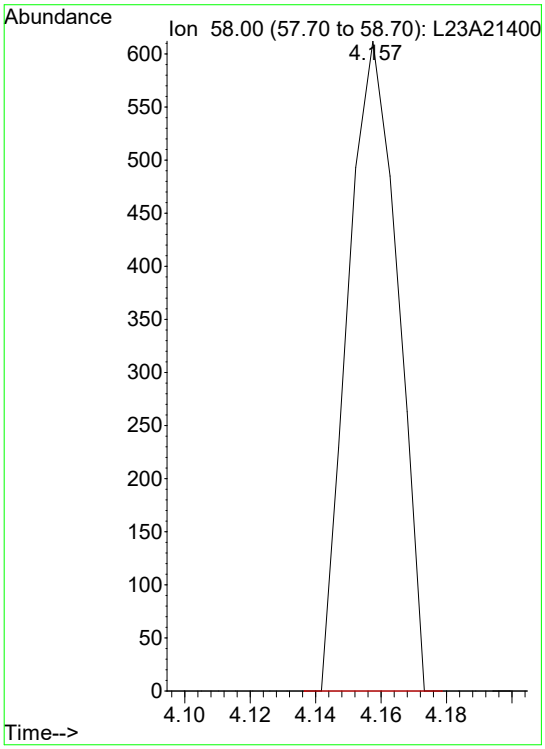
Thu Aug 03 10:32:12 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEPTANE



Original Integration
MIBK



Original Int. Results

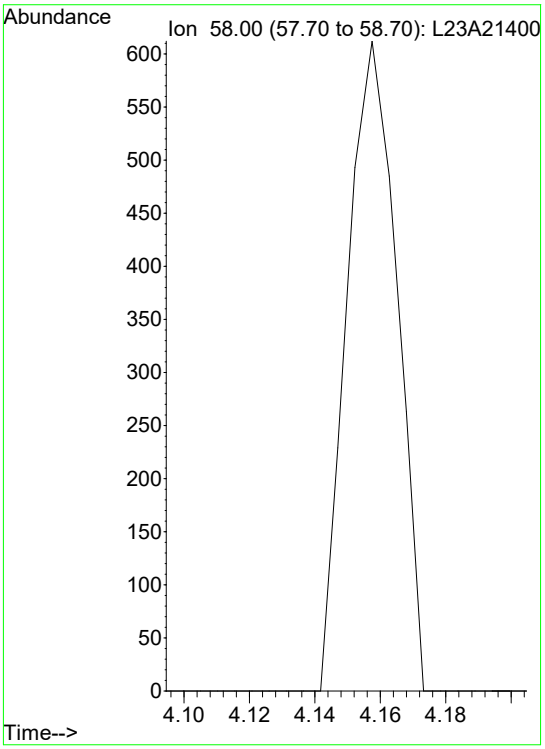
RT : 4.16
Area : 655
Amount: 0.0233975

Manual Int. Results

Thu Aug 03 10:32:11 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

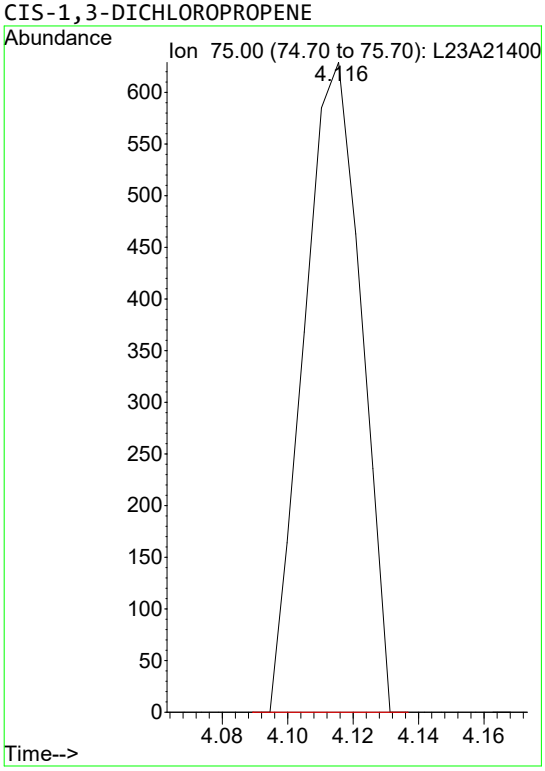
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CIS-1,3-DICHLOROPROPENE



Original Int. Results

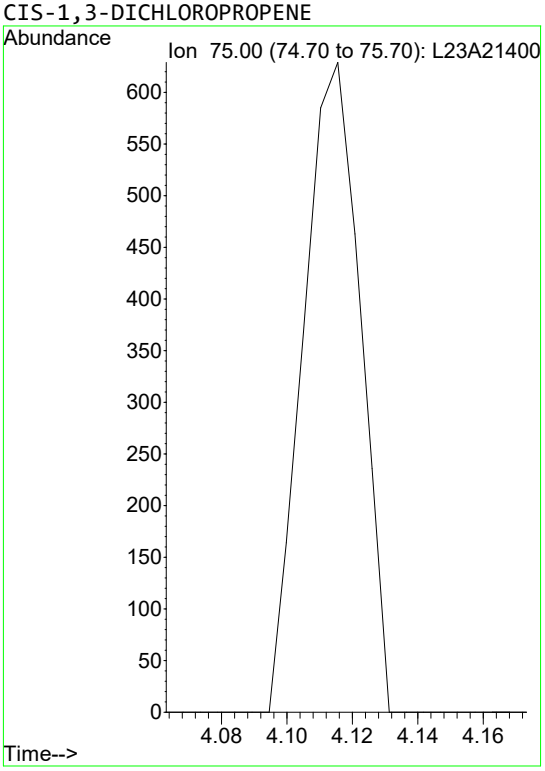
RT : 4.12
Area : 769
Amount: 0.0182306

Manual Int. Results

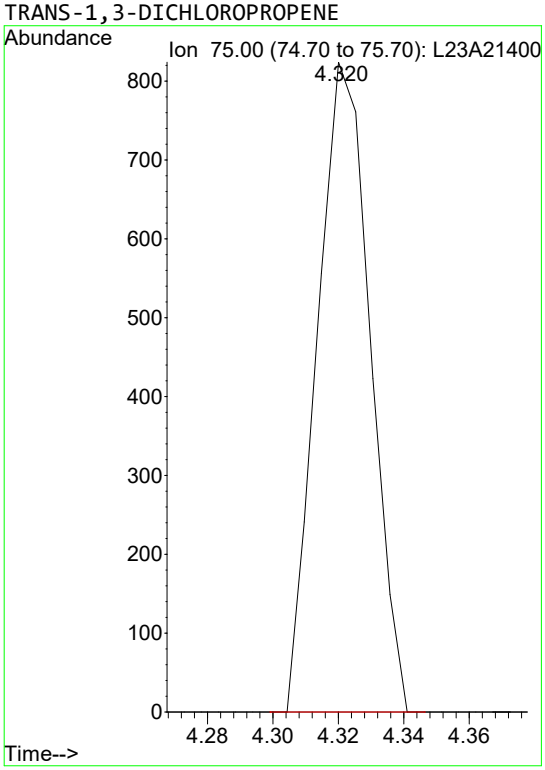
Thu Aug 03 10:32:09 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,3-DICHLOROPROPENE



Original Integration
TRANS-1,3-DICHLOROPROPENE



Original Int. Results

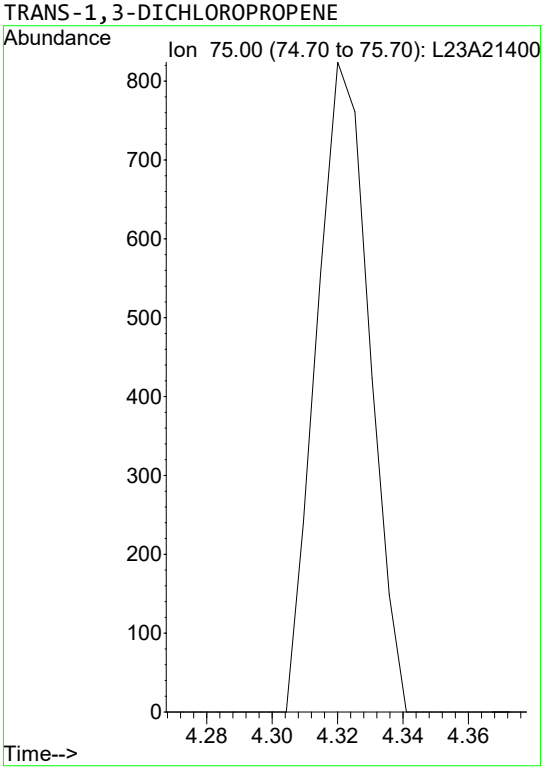
RT : 4.32
Area : 930
Amount: 0.0250271

Manual Int. Results

Thu Aug 03 10:32:08 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

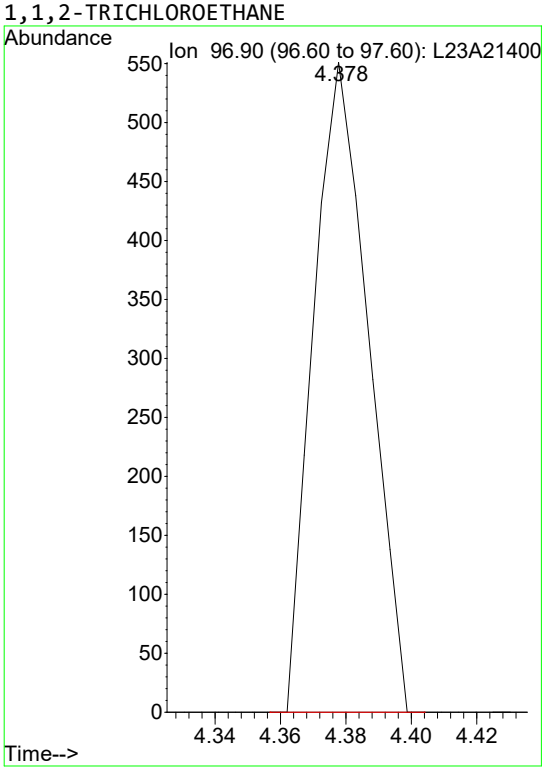
Manual Integration
TRANS-1,3-DICHLOROPROPENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

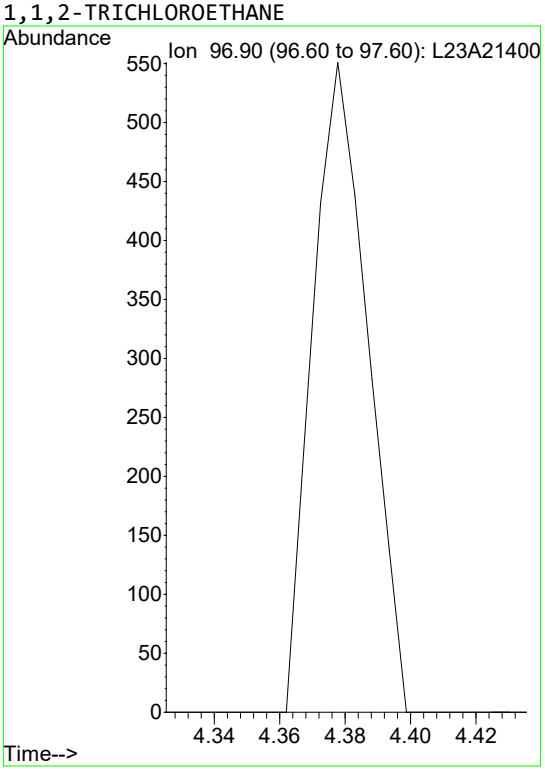
RT : 4.38
Area : 648
Amount: 0.0216377

Manual Int. Results

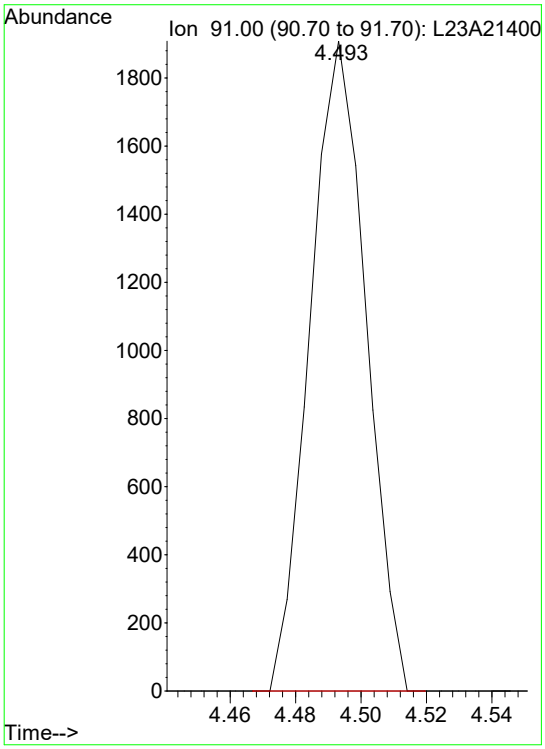
Thu Aug 03 10:32:06 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TOLUENE



Original Int. Results

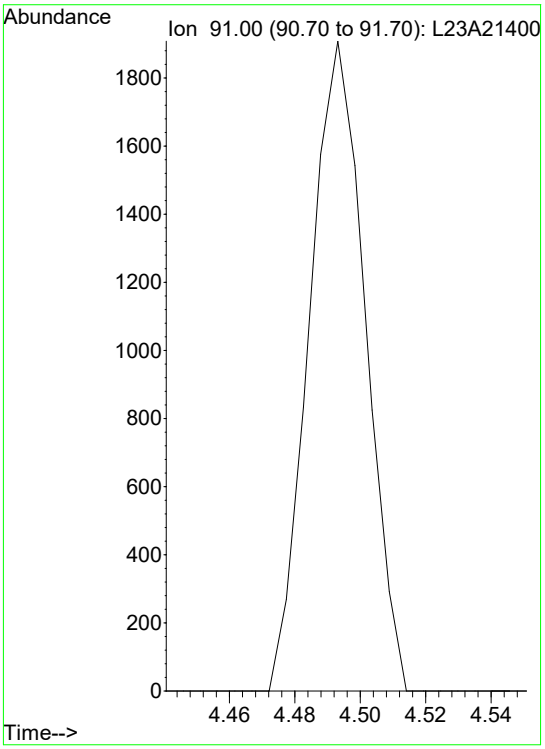
RT : 4.49
Area : 2281
Amount: 0.0239963

Manual Int. Results

Thu Aug 03 10:32:05 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

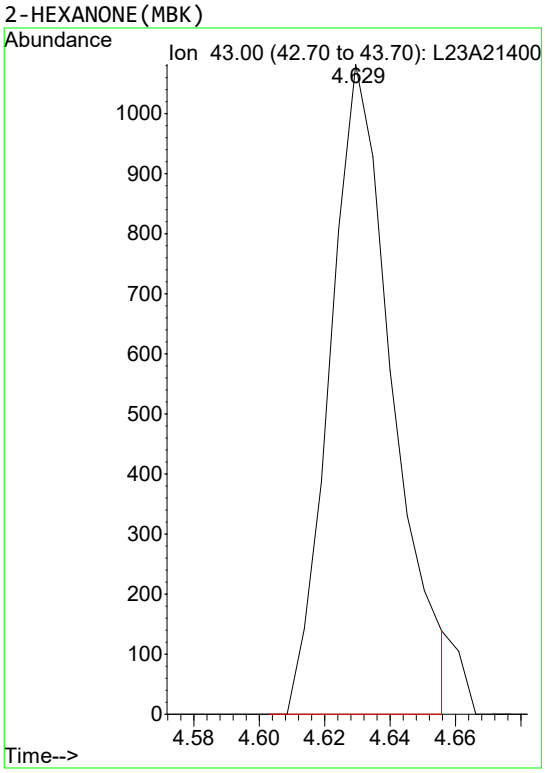
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

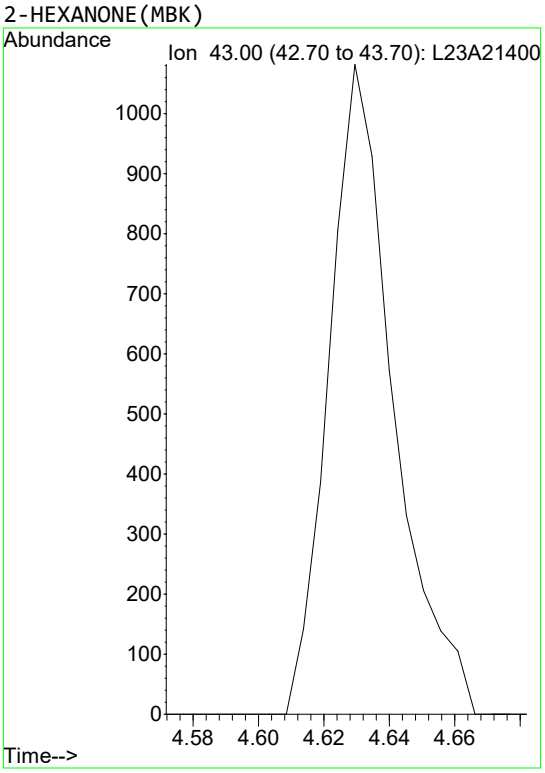
RT : 4.63
Area : 1446
Amount: 0.022379

Manual Int. Results

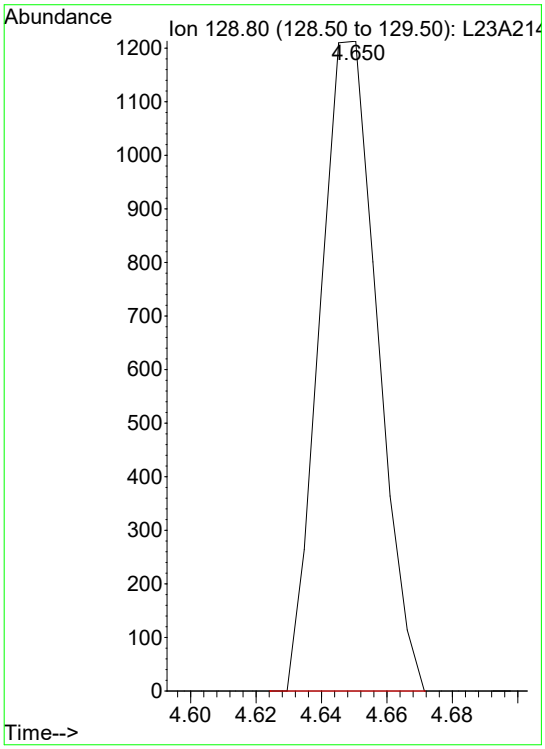
Thu Aug 03 10:32:03 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

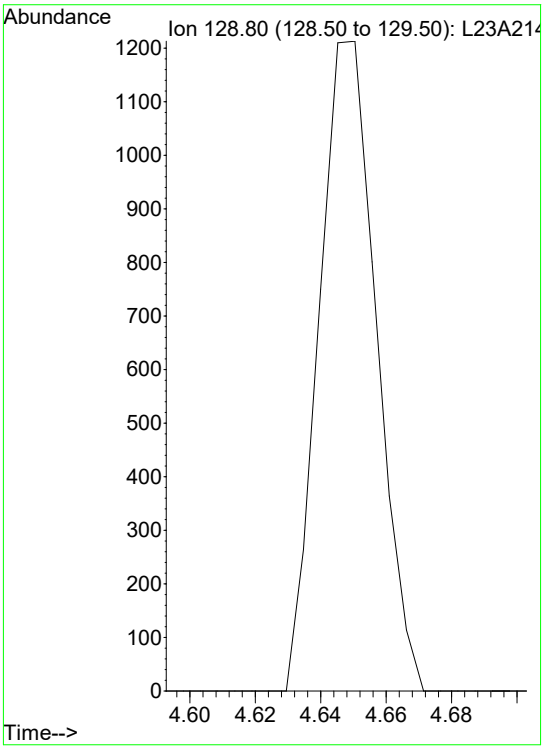
RT : 4.65
Area : 1484
Amount: 0.0271617

Manual Int. Results

Thu Aug 03 10:32:02 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

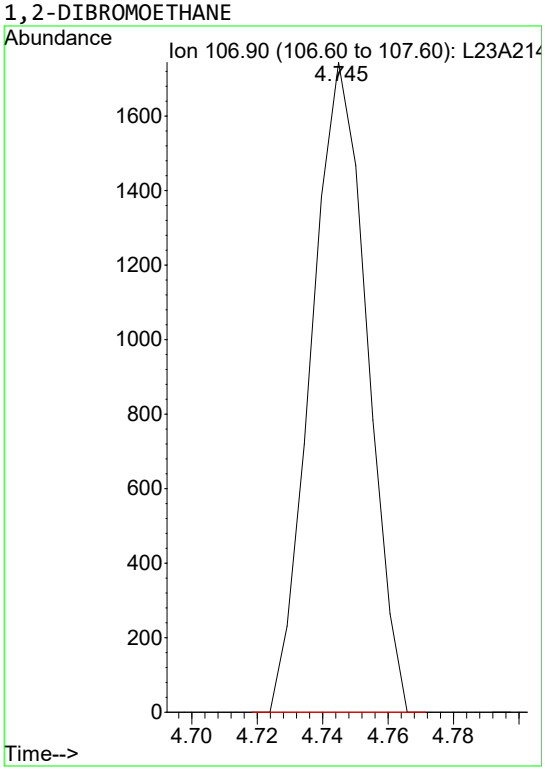
Manual Integration
DIBROMOCHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2-DIBROMOETHANE



Original Int. Results

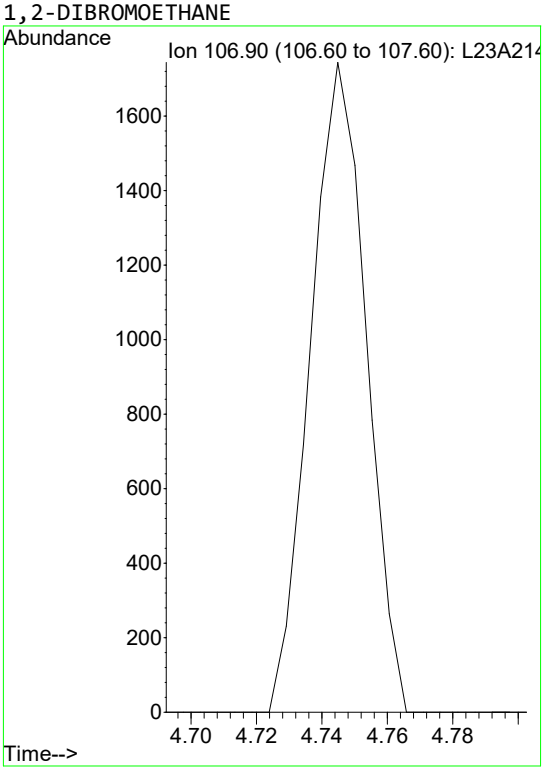
RT : 4.74
Area : 2075
Amount: 0.0402125

Manual Int. Results

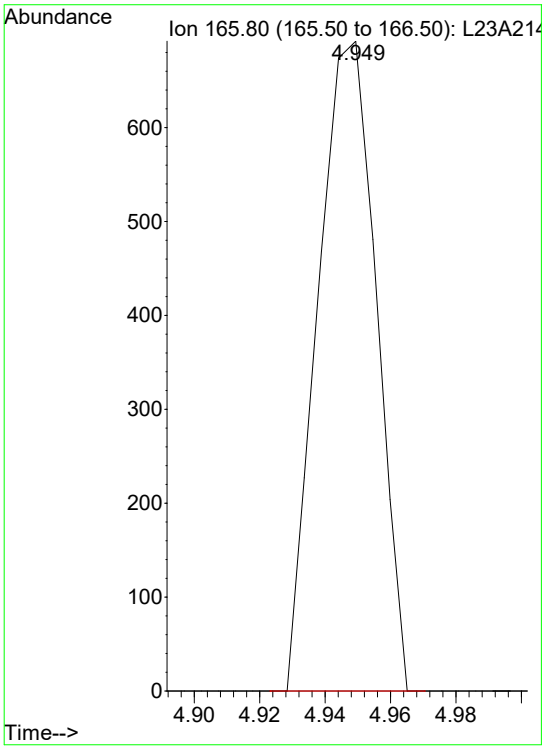
Thu Aug 03 10:32:00 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DIBROMOETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

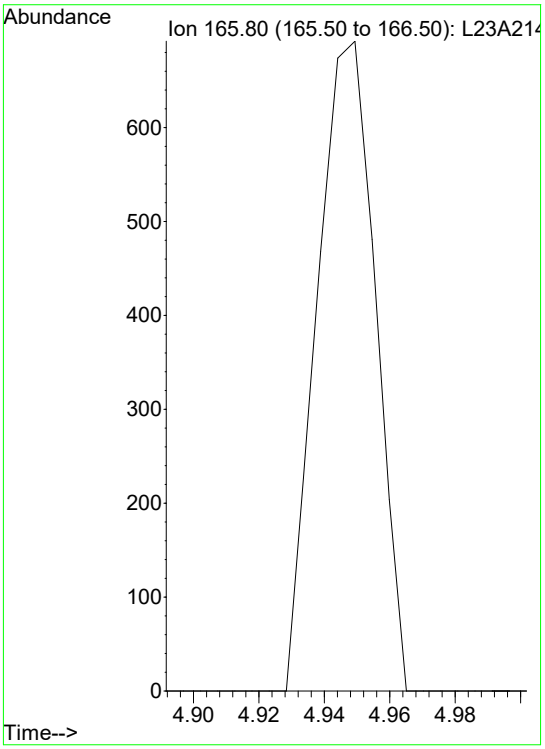
RT : 4.95
Area : 864
Amount: 0.0211636

Manual Int. Results

Thu Aug 03 10:31:58 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

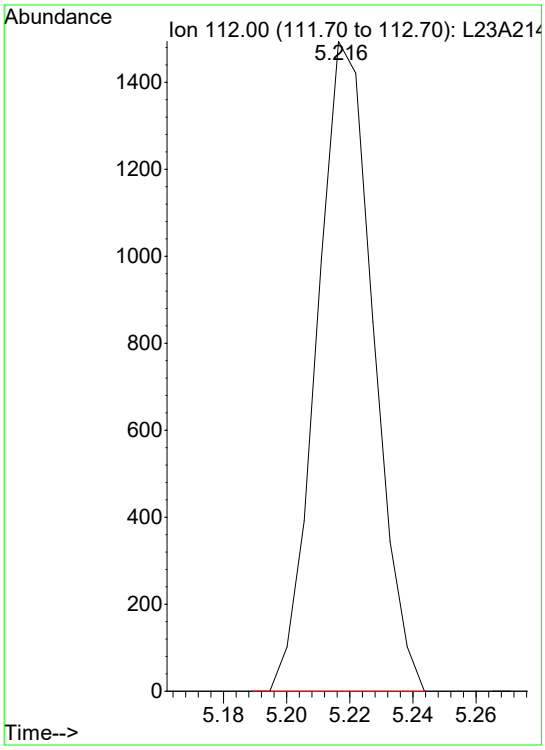
Manual Integration
TETRACHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
CHLOROBENZENE



Original Int. Results

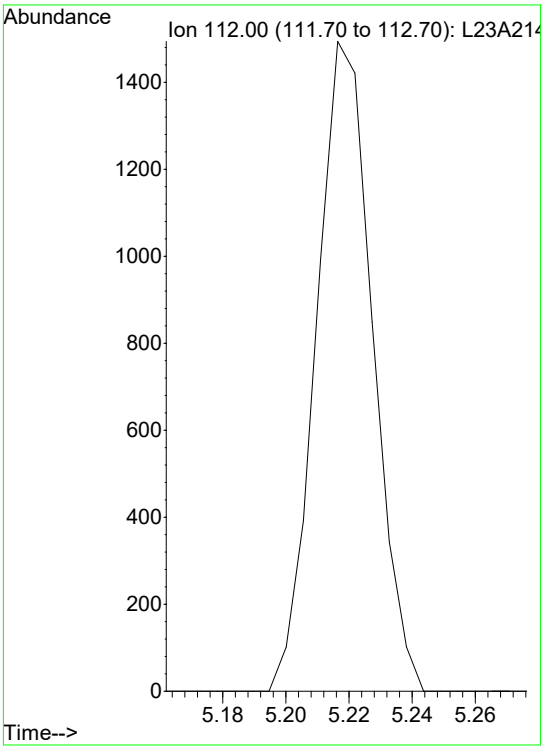
RT : 5.22
Area : 1859
Amount: 0.0265623

Manual Int. Results

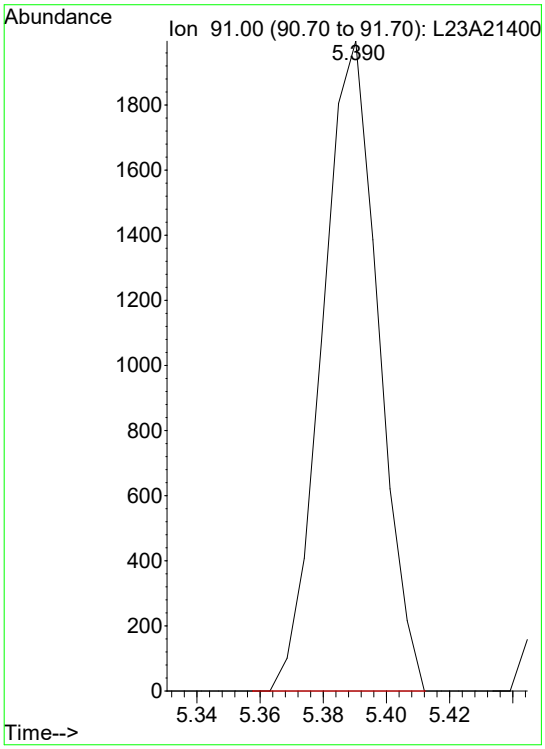
Thu Aug 03 10:31:56 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
ETHYLBENZENE



Original Int. Results

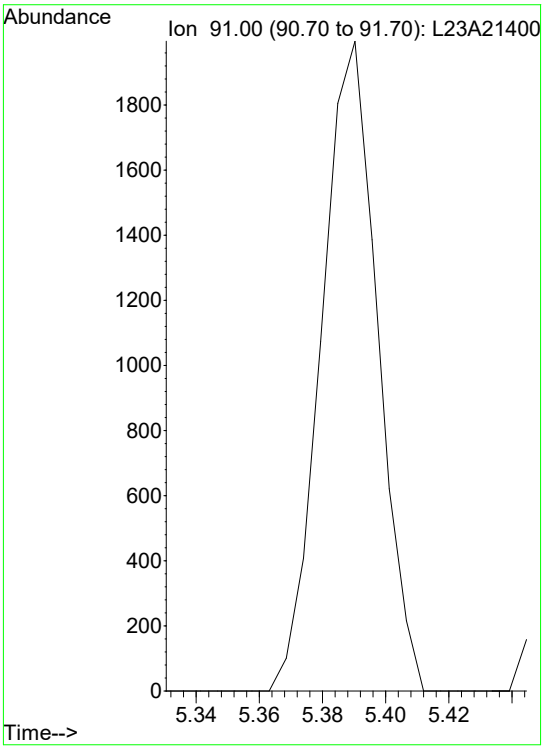
RT : 5.39
Area : 2479
Amount: 0.0213455

Manual Int. Results

Thu Aug 03 10:31:54 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

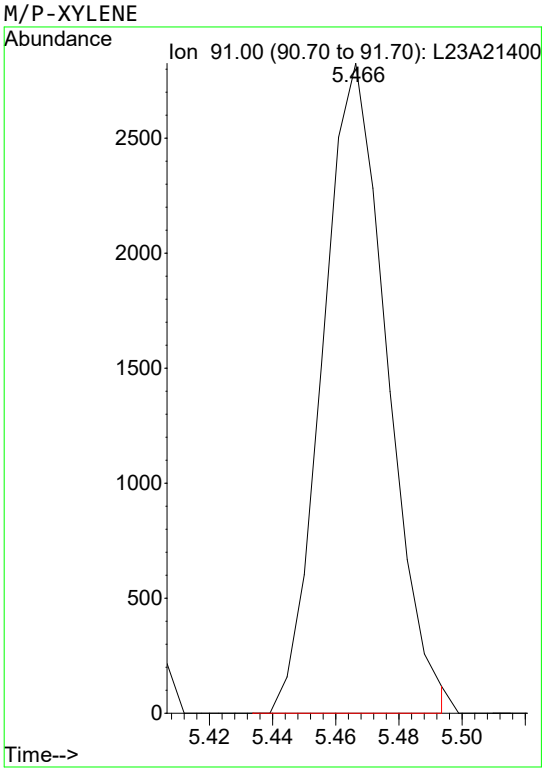
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
M/P-XYLENE



Original Int. Results

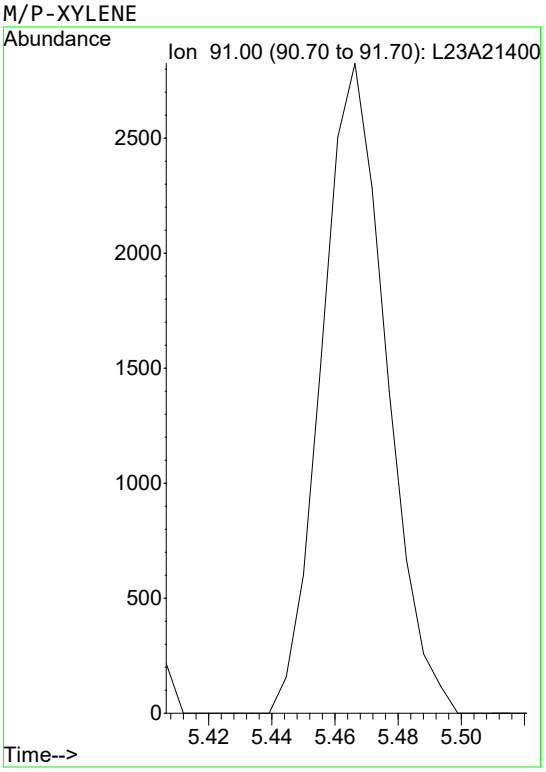
RT : 5.47
Area : 4017
Amount: 0.0426368

Manual Int. Results

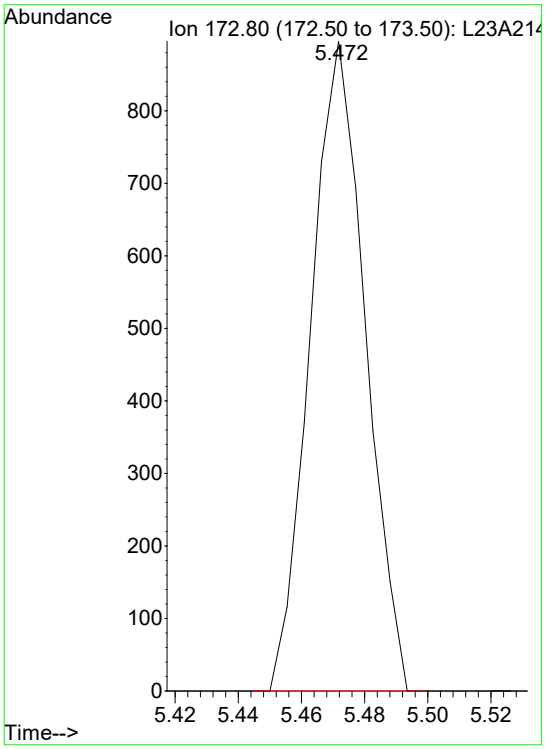
Thu Aug 03 10:31:52 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

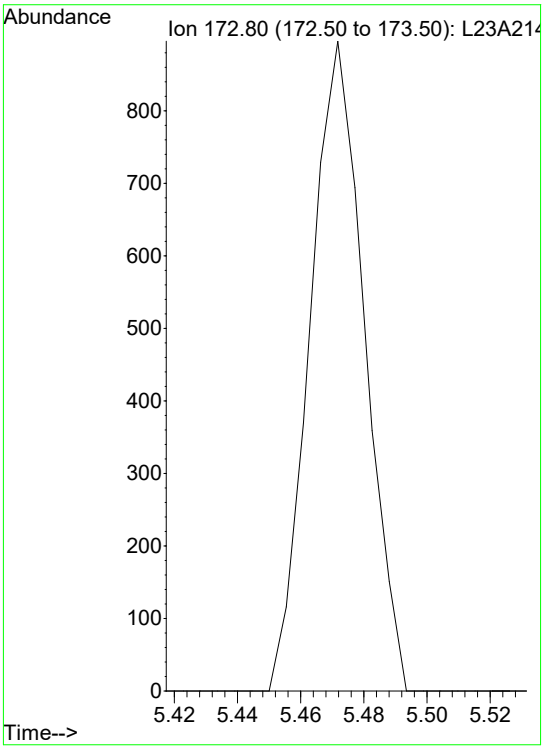
RT : 5.47
Area : 1081
Amount: 0.0245524

Manual Int. Results

Thu Aug 03 10:31:51 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

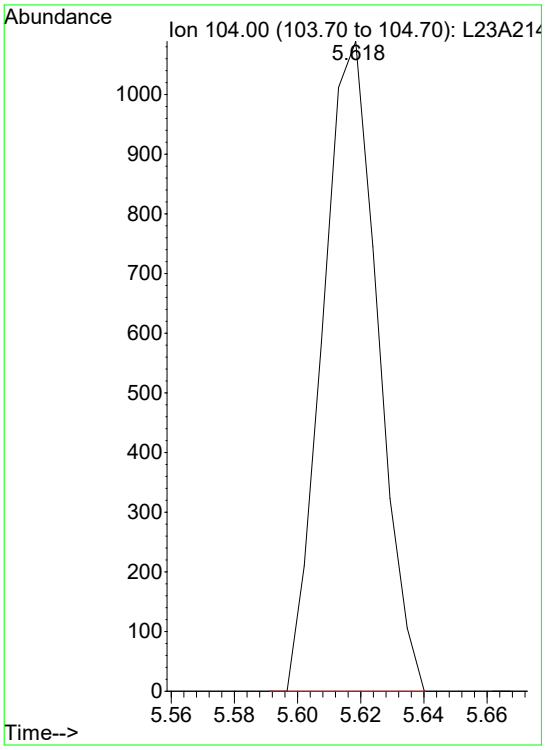
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
STYRENE



Original Int. Results

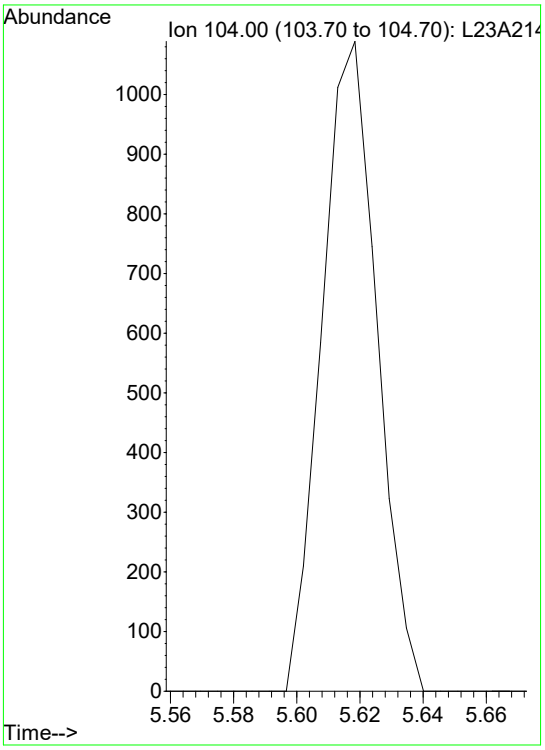
RT : 5.62
Area : 1326
Amount: 0.0210387

Manual Int. Results

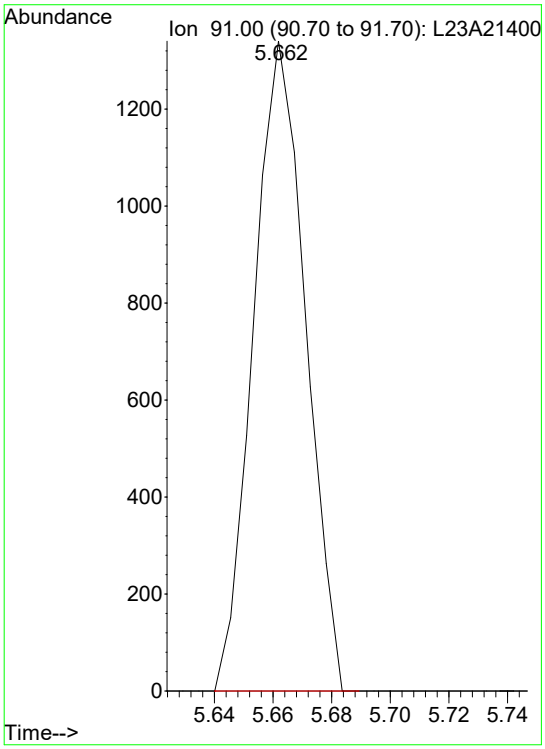
Thu Aug 03 10:31:49 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

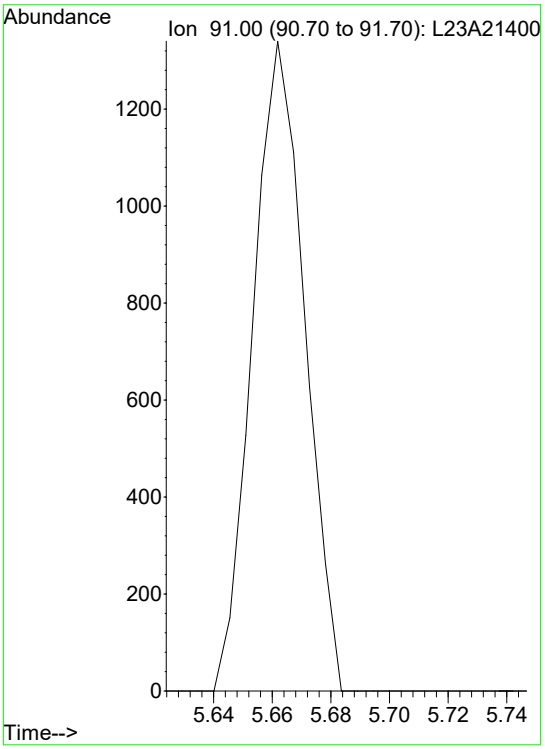
RT : 5.66
Area : 1657
Amount: 0.0183497

Manual Int. Results

Thu Aug 03 10:31:47 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

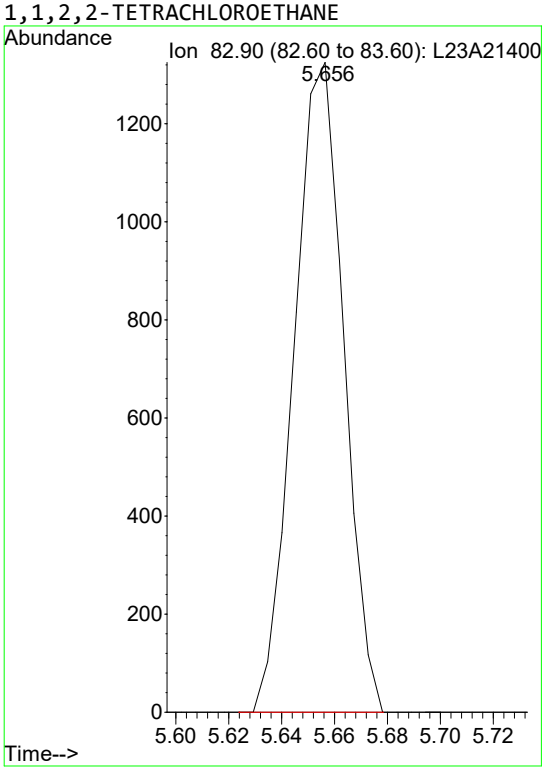
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

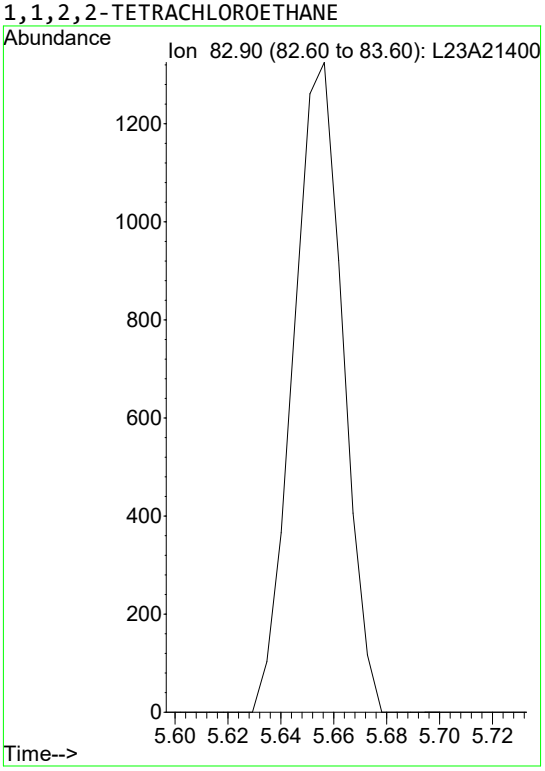
RT : 5.66
Area : 1732
Amount: 0.0277469

Manual Int. Results

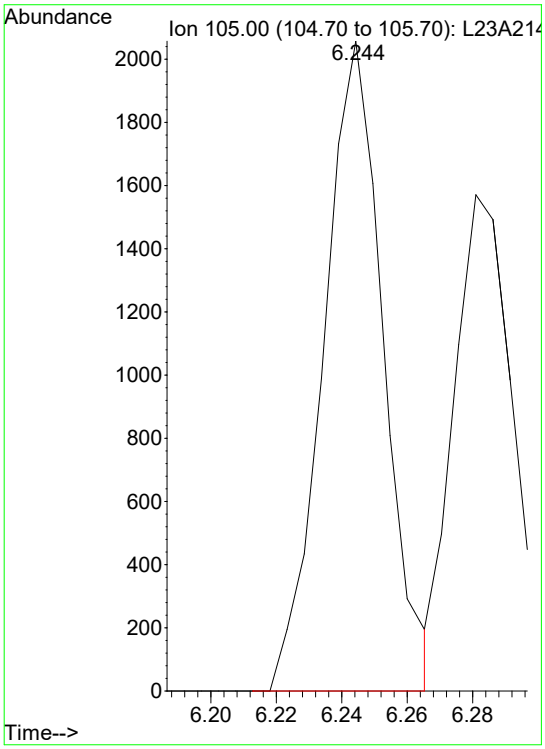
Thu Aug 03 10:31:46 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

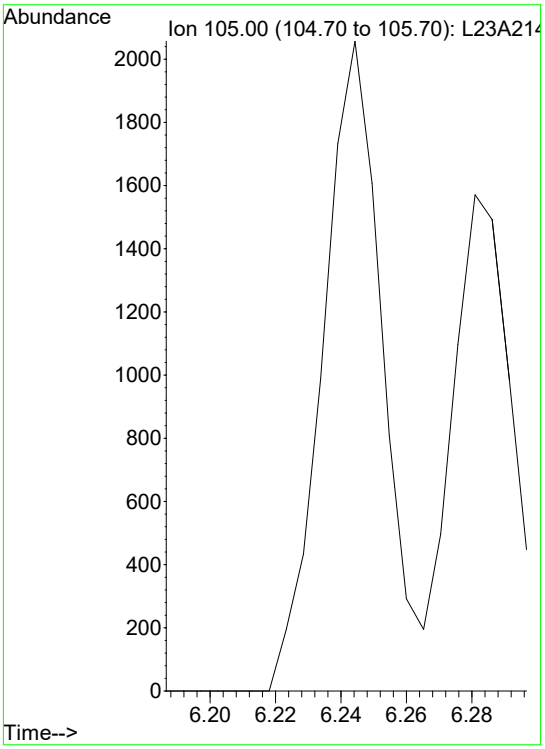
RT : 6.24
Area : 2614
Amount: 0.0219409

Manual Int. Results

Thu Aug 03 10:31:44 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

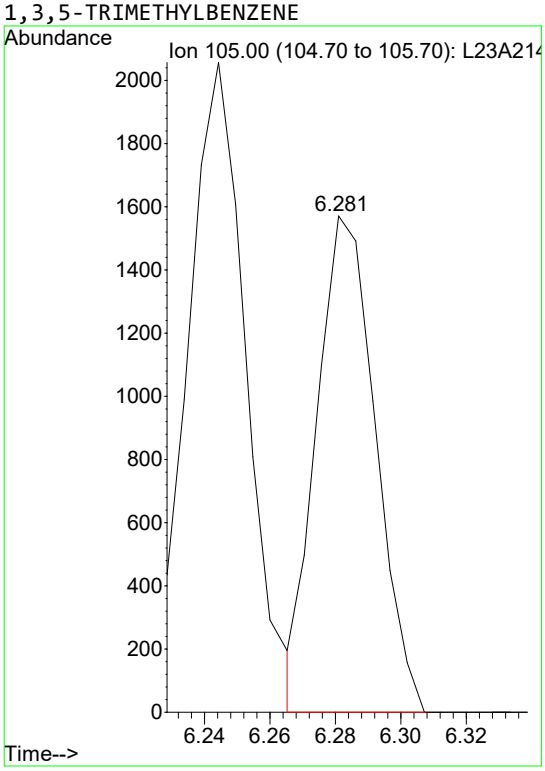
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

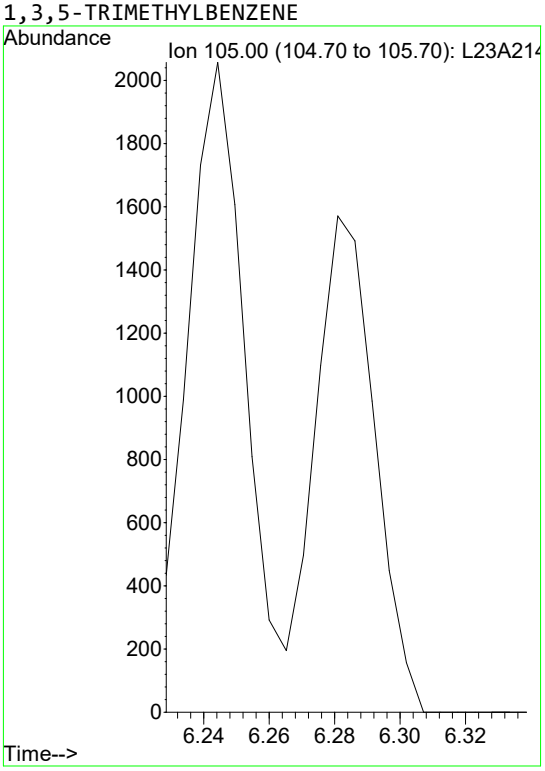
RT : 6.28
Area : 1965
Amount: 0.0201481

Manual Int. Results

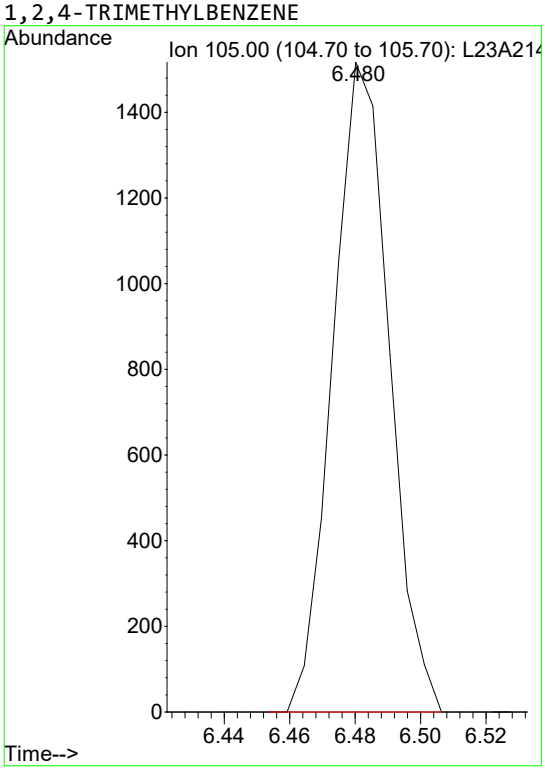
Thu Aug 03 10:31:42 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

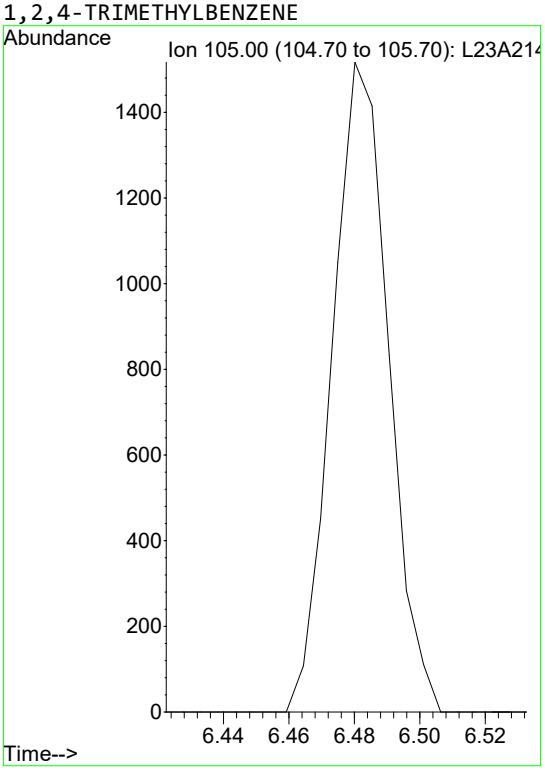
RT : 6.48
Area : 1815
Amount: 0.019068

Manual Int. Results

Thu Aug 03 10:31:41 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

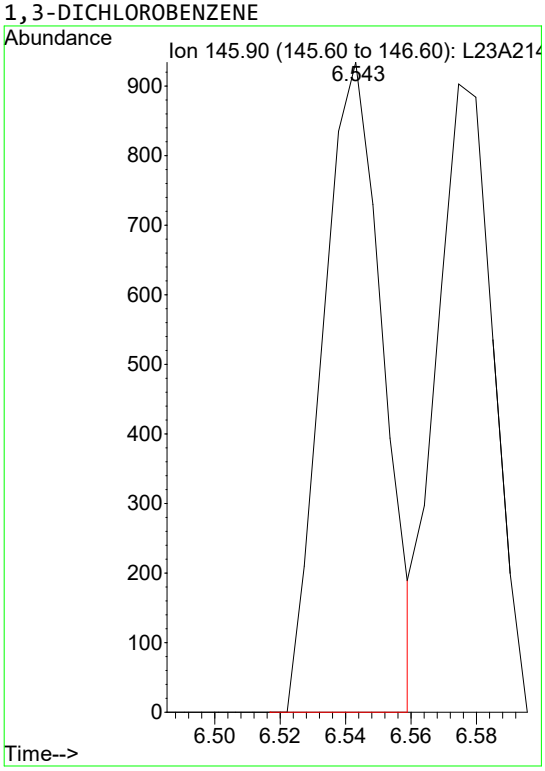
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

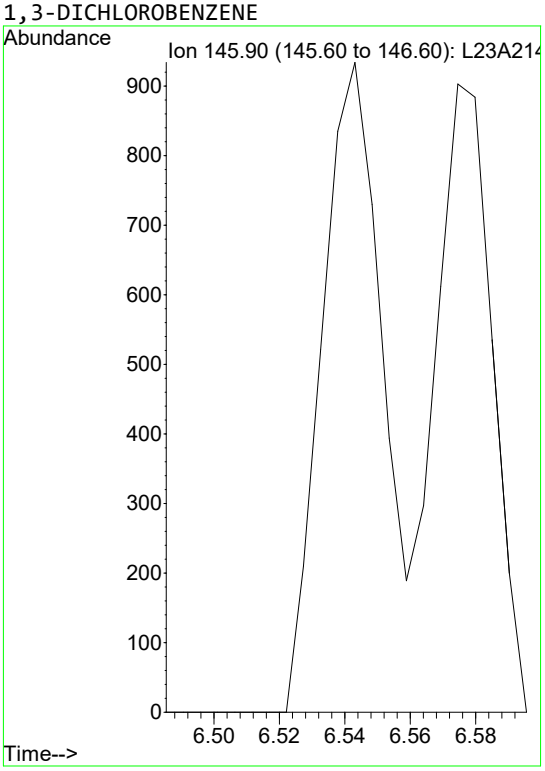
RT : 6.54
Area : 1200
Amount: 0.0221572

Manual Int. Results

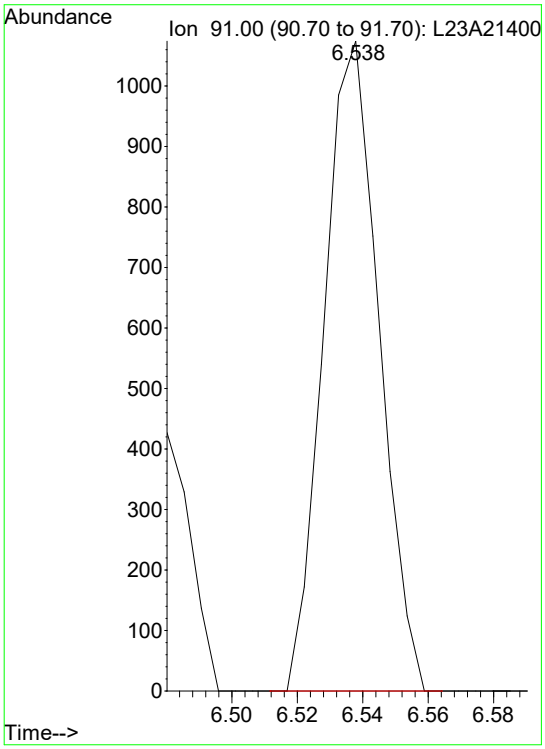
Thu Aug 03 10:31:39 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

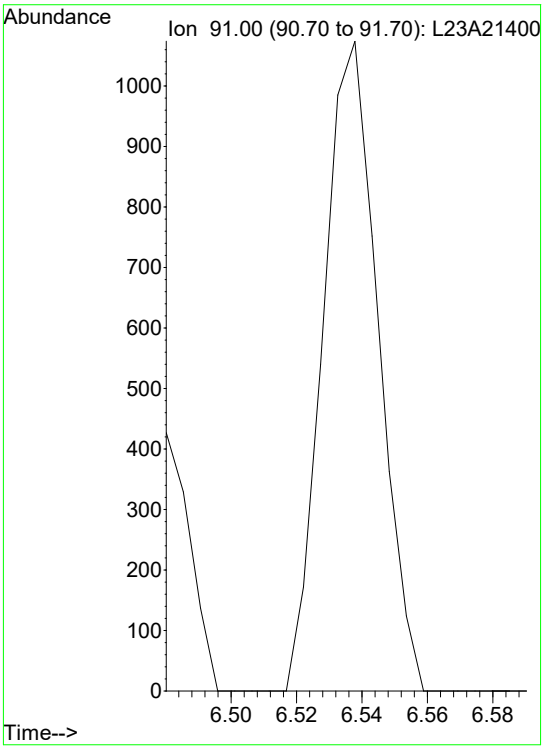
RT : 6.54
Area : 1262
Amount: 0.0241576

Manual Int. Results

Thu Aug 03 10:31:37 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

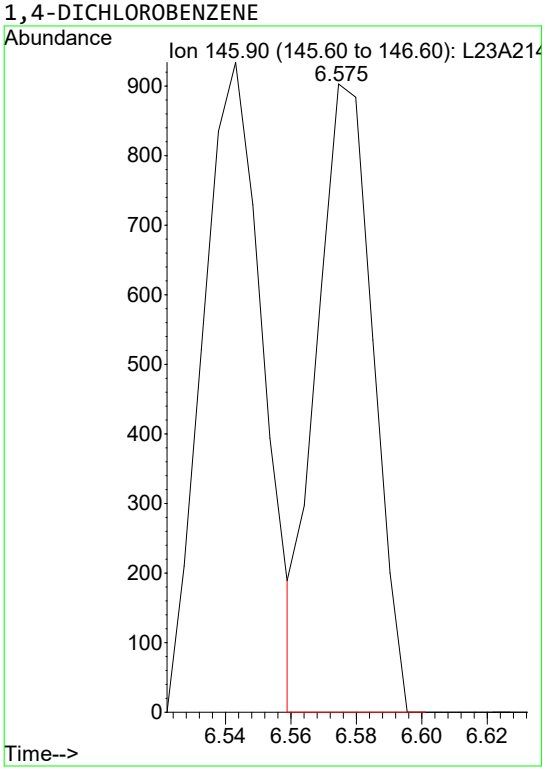
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

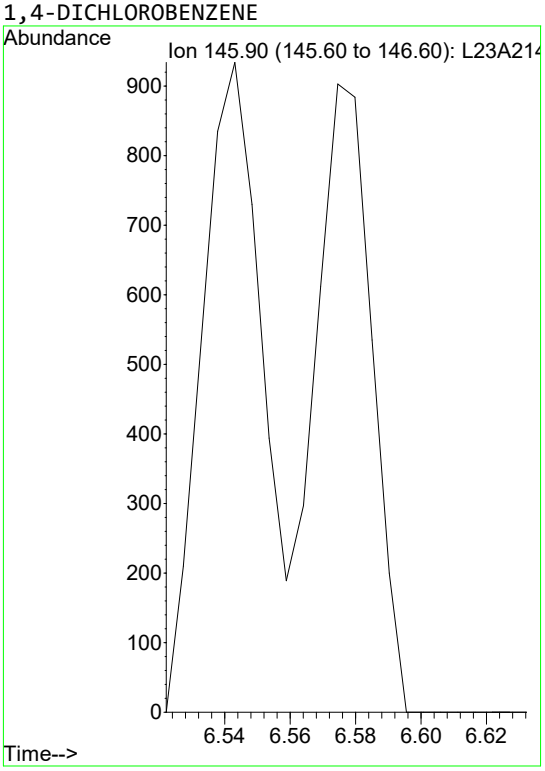
RT : 6.57
Area : 1079
Amount: 0.0217421

Manual Int. Results

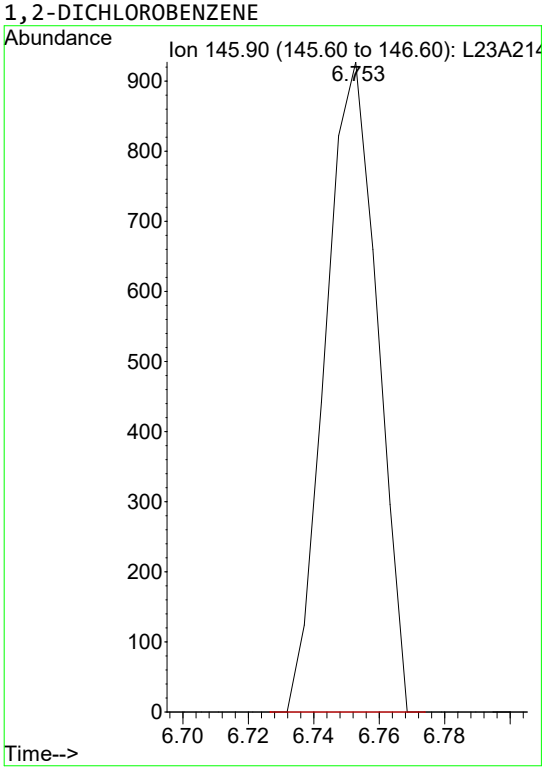
Thu Aug 03 10:31:35 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DICHLOROBENZENE



Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

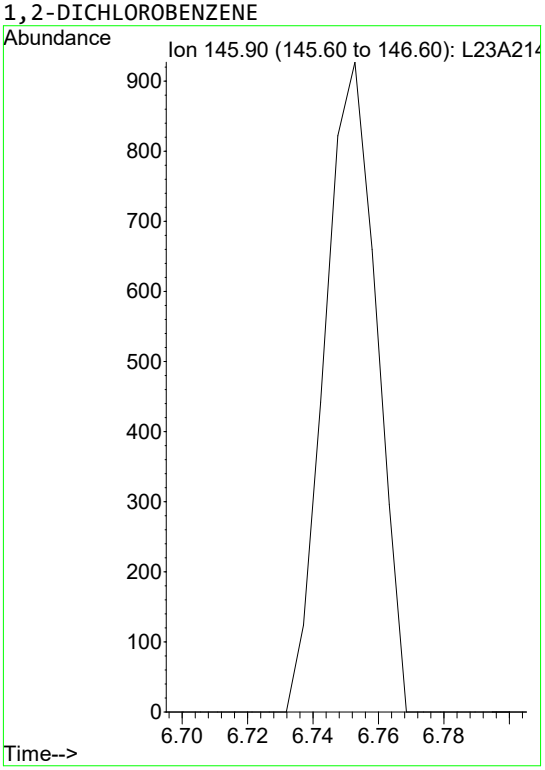
RT : 6.75
Area : 1029
Amount: 0.0202762

Manual Int. Results

Thu Aug 03 10:31:34 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

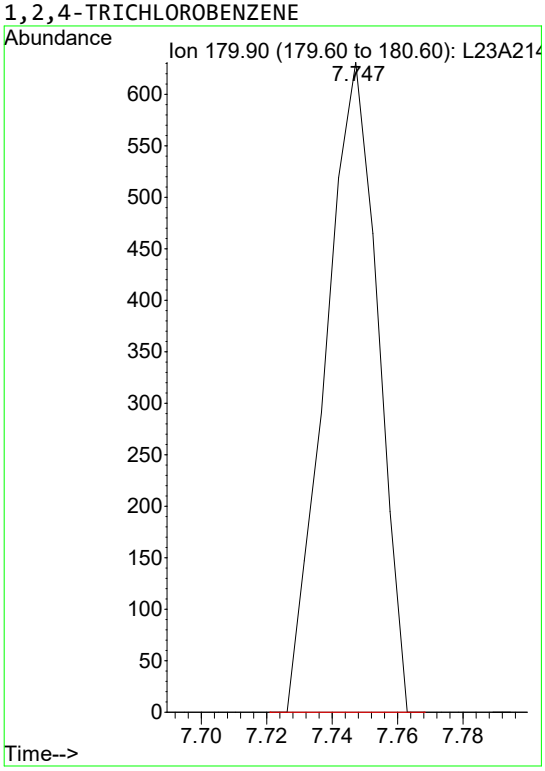
Manual Integration
1,2-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

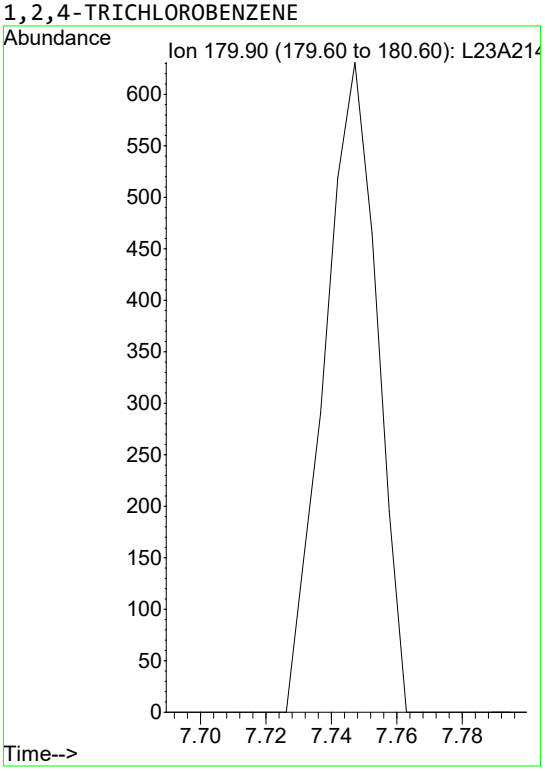
RT : 7.75
Area : 707
Amount: 0.0369319

Manual Int. Results

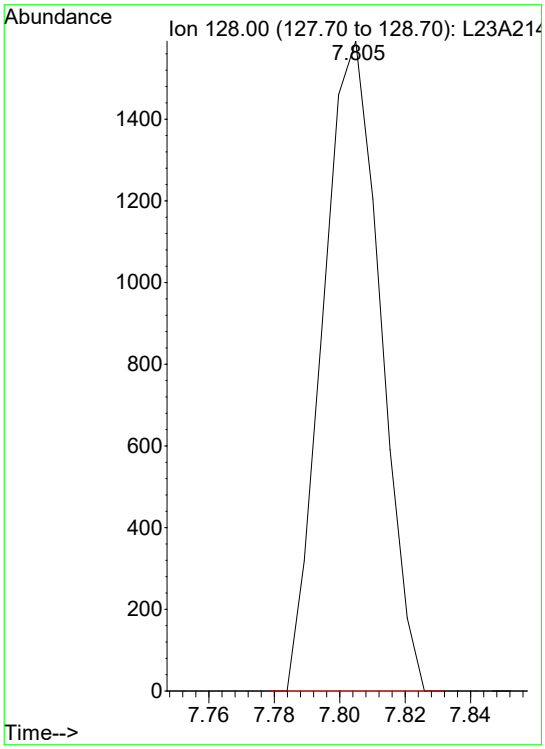
Thu Aug 03 10:31:32 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

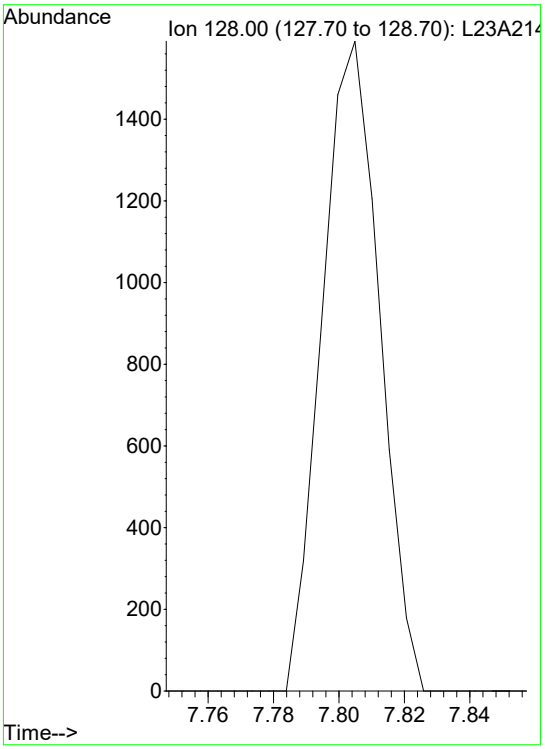
RT : 7.80
Area : 1956
Amount: 0.0417255

Manual Int. Results

Thu Aug 03 10:31:31 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

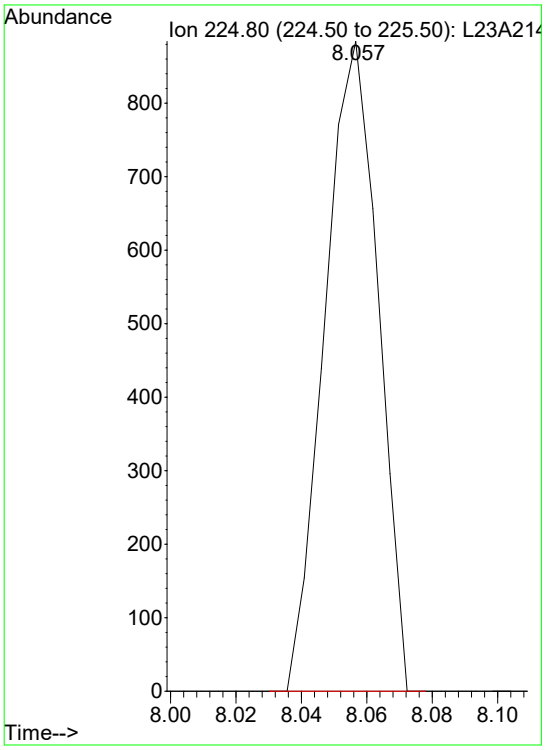
Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214006.D
Acq On : 02 Aug 2023 05:24 pm
Operator : CMR
Sample : 0.020PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:33:01 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

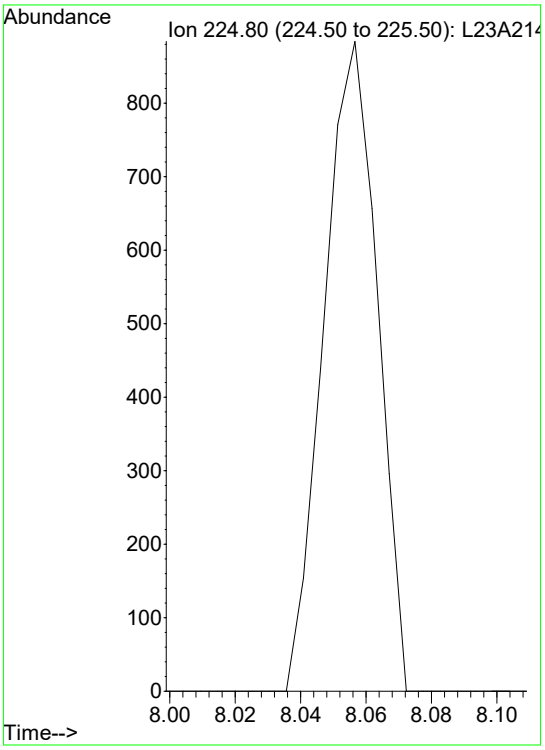
RT : 8.06
Area : 1008
Amount: 0.0357635

Manual Int. Results

Thu Aug 03 10:31:27 2023

MIuser: CMR
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214007.D Vial: 2
Acq On : 02 Aug 2023 05:50 pm Operator: CMR
Sample : 0.025PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:31 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214007.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	323562	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	882852	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	832935	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.868	49	356610	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	943774	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	927182	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	451290	8.038	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 100.50%			
88) 4-BROMOFLUOROBENZENE (...	5.859	174	466378	7.878	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.535	85	1616	0.025	PPBV	80
4) CHLOROMETHANE	1.572	50	777	0.032	PPBV	67
5) FREON 114	1.598	85	1763	0.027	PPBV	91
6) VINYL CHLORIDE	1.630	62	721	0.026	PPBV #	44
9) CHLOROETHANE	1.777	64	816	0.055	PPBV	75
11) ACETONE	1.944	43	5264	0.113	PPBV	93
12) TRICHLOROFLUOROMETHANE	1.986	101	2077	0.031	PPBV	100
14) 1,1-DICHLOROETHENE	2.175	61	1083	0.024	PPBV	76
15) METHYLENE CHLORIDE	2.208	49	1658	0.051	PPBV #	70
16) FREON 113	2.300	101	1432	0.026	PPBV	99
17) CARBON DISULFIDE	2.300	76	2465	0.031	PPBV	94
18) TRANS-1,2-DICHLOROETHENE	2.502	61	1293	0.030	PPBV	82
19) 1,1-DICHLOROETHANE	2.556	63	1428	0.027	PPBV	80
20) MTBE	2.594	73	2404	0.028	PPBV	98
21) IPA	2.018	45	2737	0.058	PPBV	80
22) 2-BUTANONE(MEK)	2.692	43	2148	0.042	PPBV	97
23) CIS-1,2-DICHLOROETHENE	2.817	61	879	0.024	PPBV	94
27) CHLOROFORM	2.914	83	1463	0.026	PPBV	92
29) 1,2-DICHLOROETHANE	3.155	62	1096	0.030	PPBV #	83
31) 1,1,1-TRICHLOROETHANE	3.250	97	1388	0.026	PPBV	97
32) BENZENE	3.403	78	2319	0.029	PPBV	99
33) CARBON TETRACHLORIDE	3.457	117	1256	0.023	PPBV	86
34) CYCLOHEXANE	3.506	84	1131	0.036	PPBV #	57
35) 1,2-DICHLOROPROPANE	3.703	63	673	0.024	PPBV #	70
36) BROMODICHLOROMETHANE	3.771	83	1467	0.026	PPBV	85
37) TRICHLOROETHENE	3.792	95	1018	0.029	PPBV	93
40) HEPTANE	3.923	57	776	0.022	PPBV	83
42) CIS-1,3-DICHLOROPROPENE	4.115	75	1223	0.029	PPBV	91
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	1032	0.028	PPBV	98
45) 1,1,2-TRICHLOROETHANE	4.383	97	609	0.020	PPBV #	39
46) TOLUENE	4.493	91	2872	0.030	PPBV	100
48) DIBROMOCHLOROMETHANE	4.650	129	1441	0.026	PPBV #	74
49) 1,2-DIBROMOETHANE	4.745	107	2413	0.047	PPBV	95
50) TETRACHLOROETHENE	4.944	166	1133	0.028	PPBV	78
51) CHLOROBENZENE	5.217	112	1987	0.028	PPBV #	1
52) ETHYLBENZENE	5.391	91	3094	0.027	PPBV	95
53) M/P-XYLENE	5.467	91	4872	0.052	PPBV	99
54) BROMOFORM	5.472	173	1347	0.030	PPBV	95
55) STYRENE	5.619	104	1793	0.028	PPBV	89
56) O-XYLENE	5.662	91	2251	0.025	PPBV	94

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214007.D Vial: 2
Acq On : 02 Aug 2023 05:50 pm Operator: CMR
Sample : 0.025PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:31 2023

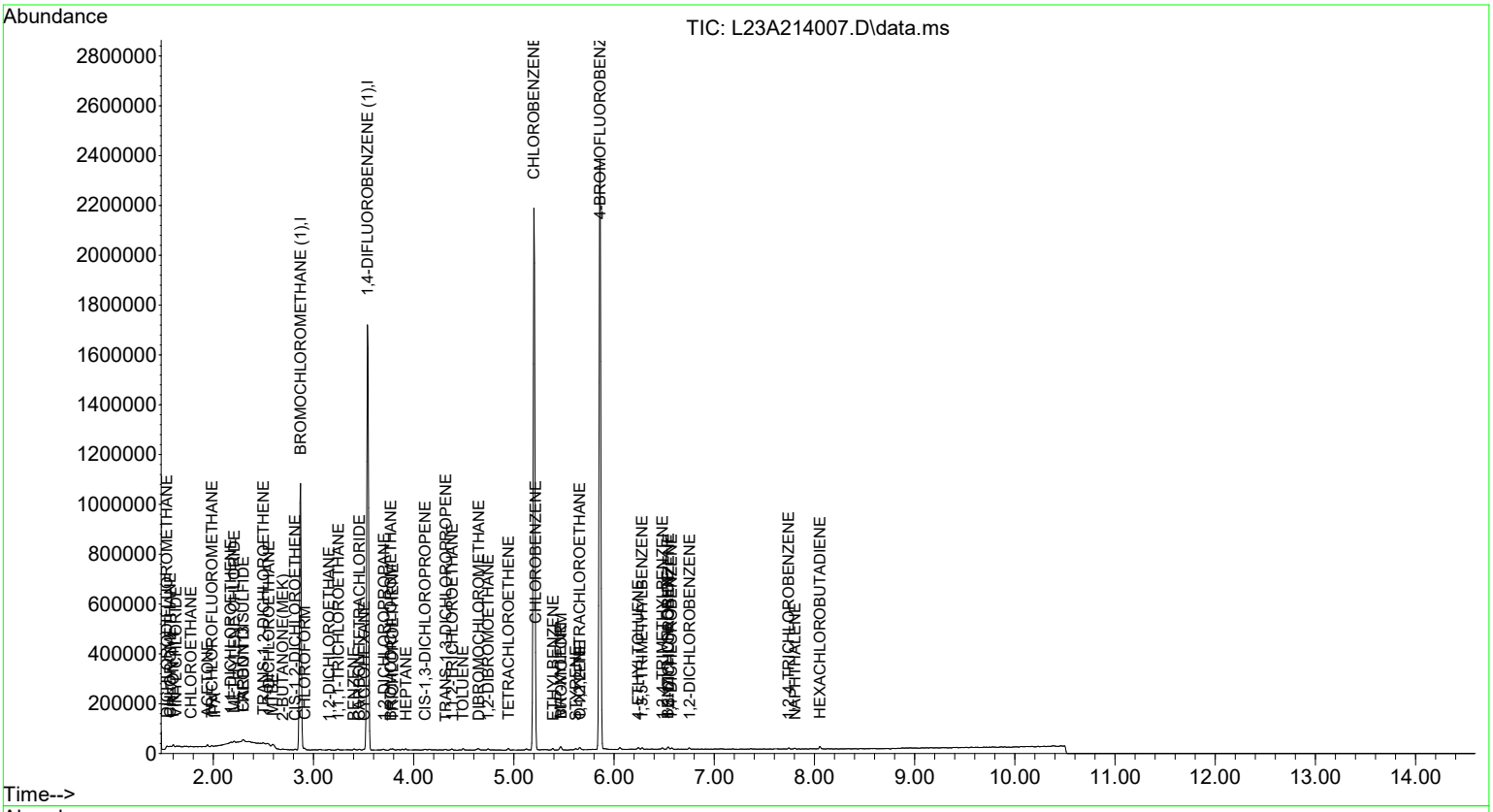
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214007.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

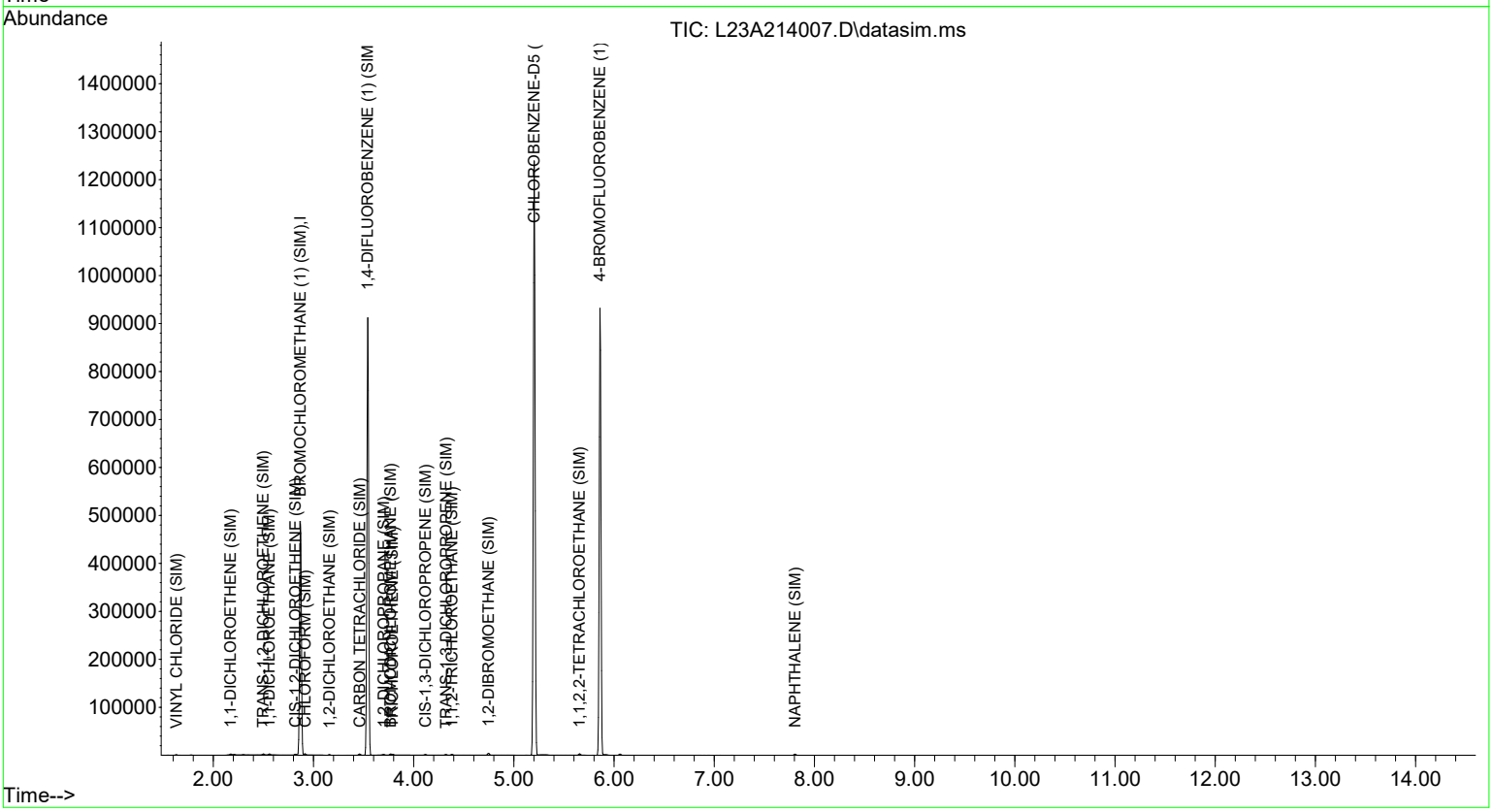
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-TETRACHLOROETHANE	5.657	83	1582	0.025	PPBV	95
59) 4-ETHYLTOLUENE	6.239	105	3227	0.027	PPBV	89
60) 1,3,5-TRIMETHYLBENZENE	6.281	105	2719	0.028	PPBV	91
61) 1,2,4-TRIMETHYLBENZENE	6.480	105	2565	0.027	PPBV	97
62) 1,3-DICHLOROBENZENE	6.543	146	1545	0.028	PPBV	91
63) BENZYL CHLORIDE	6.538	91	1177	0.022	PPBV	76
64) 1,4-DICHLOROBENZENE	6.575	146	1394	0.028	PPBV	91
65) 1,2-DICHLOROBENZENE	6.753	146	1551	0.030	PPBV	93
66) 1,2,4-TRICHLOROBENZENE	7.742	180	716	0.037	PPBV #	83
67) NAPHTHALENE	7.805	128	2191	0.047	PPBv	98
68) HEXACHLOROBUTADIENE	8.057	225	1183	0.042	PPBV	86
70] VINYL CHLORIDE (SIM)	1.632	62	741	0.027	PPBV	94
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	1240	0.027	PPBV	99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	1262	0.028	PPBV	97
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	1514	0.027	PPBV	93
74] CIS-1,2-DICHLOROETHENE...	2.820	61	1047	0.027	PPBV	96
75] CHLOROFORM (SIM)	2.917	83	1630	0.028	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	1065	0.028	PPBV	98
78] CARBON TETRACHLORIDE (...	3.460	117	1591	0.027	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.700	63	747	0.026	PPBV	93
80] BROMODICHLOROMETHANE (...	3.769	83	1696	0.027	PPBV	100
81] TRICHLOROETHENE (SIM)	3.790	95	1034	0.028	PPBV	96
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	1229	0.028	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.323	75	1148	0.030	PPBV	100
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	927	0.027	PPBV	99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	2473	0.043	PPBV	99
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	1977	0.030	PPBV	98
89] NAPHTHALENE (SIM)	7.808	128	2616	0.052	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214007.D Vial: 2
Acq On : 02 Aug 2023 05:50 pm Operator: CMR
Sample : 0.025PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:31 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214007.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

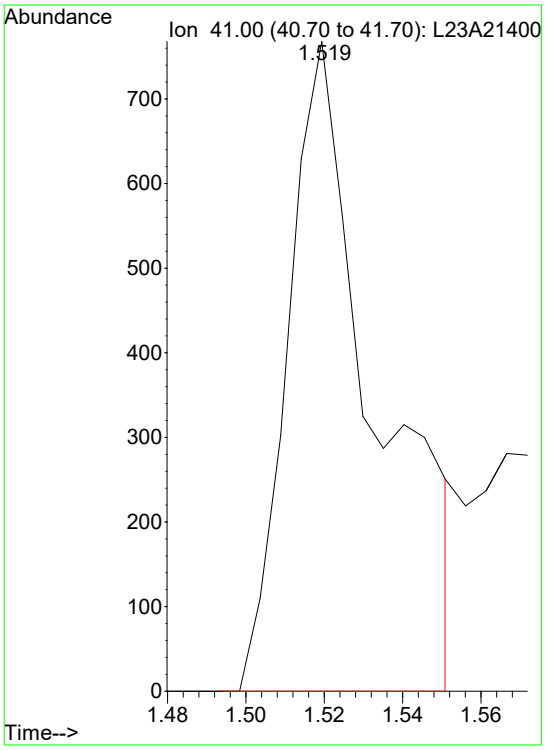




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

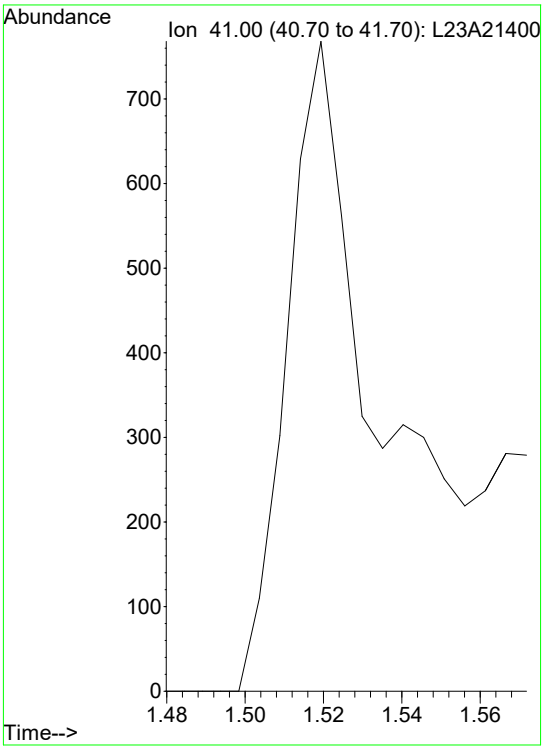
RT : 1.52
Area : 1198
Amount: 0.0760601

Manual Int. Results

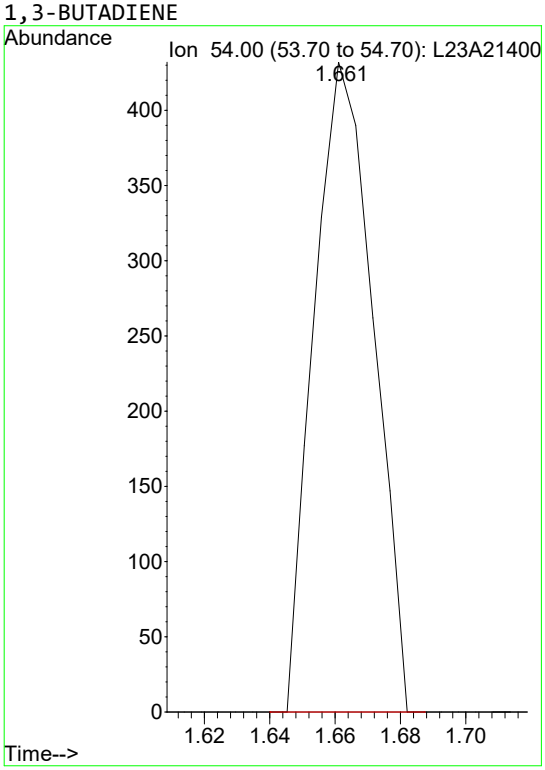
Thu Aug 03 10:24:36 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

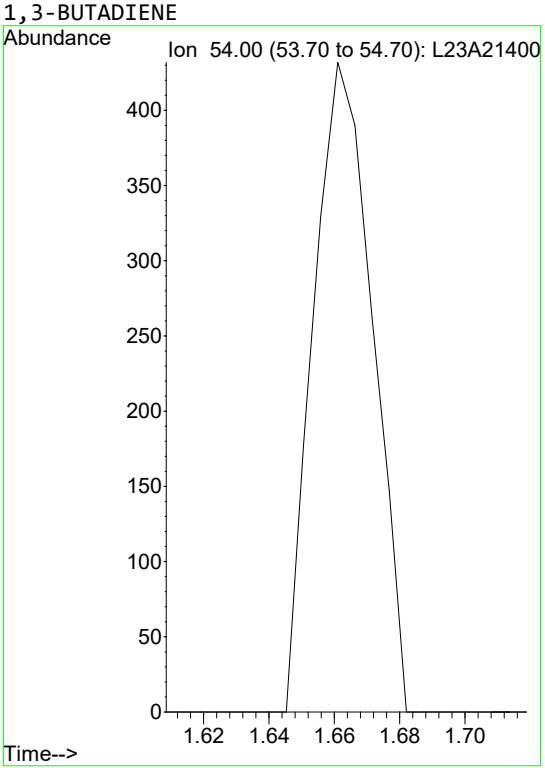
RT : 1.66
Area : 547
Amount: 0.0269245

Manual Int. Results

Thu Aug 03 10:24:56 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

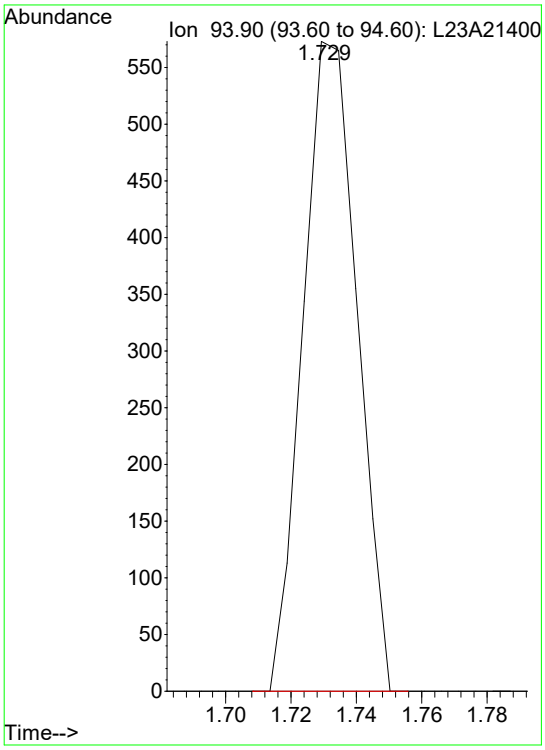
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
BROMOMETHANE



Original Int. Results

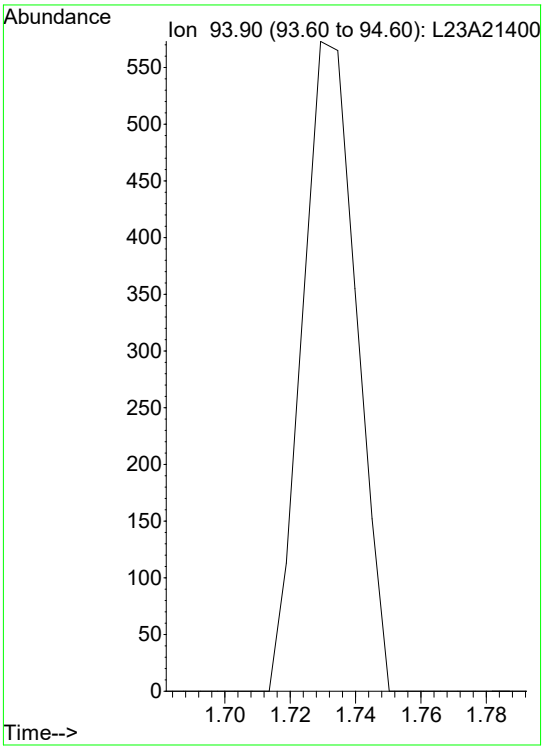
RT : 1.73
Area : 662
Amount: 0.028237

Manual Int. Results

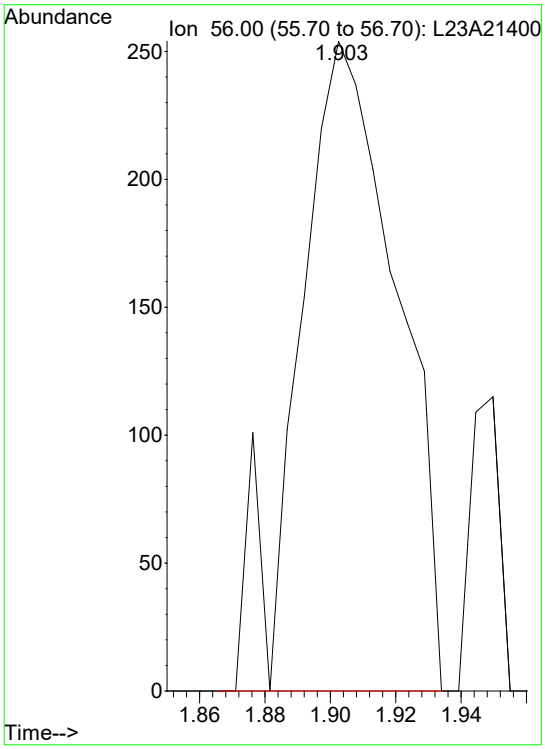
Thu Aug 03 10:25:02 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
ACROLEIN



Original Int. Results

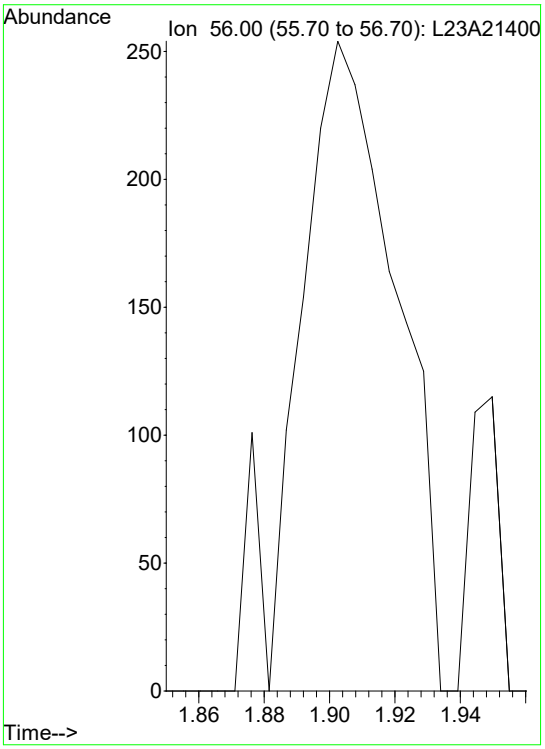
RT : 1.90
Area : 537
Amount: 0.0430432

Manual Int. Results

Thu Aug 03 10:25:11 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

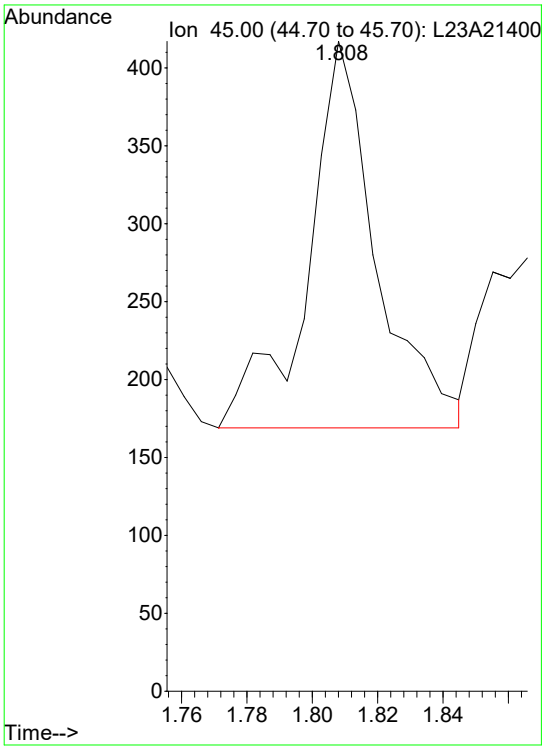
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
ETHANOL



Original Int. Results

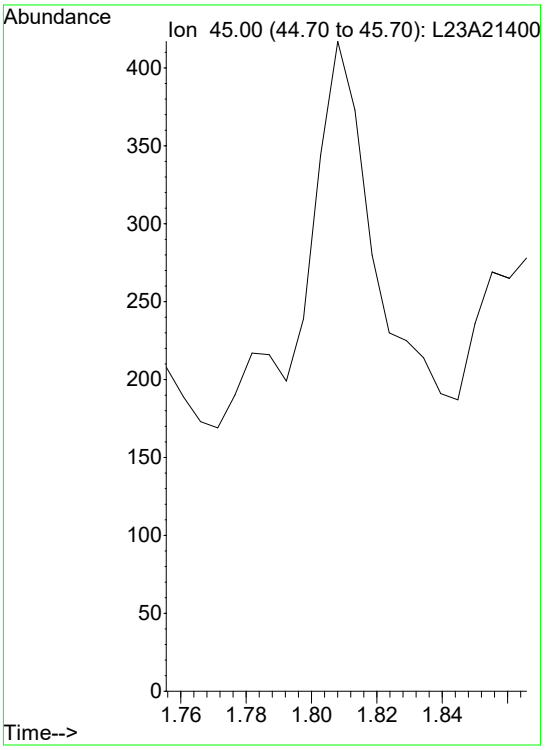
RT : 1.81
Area : 364
Amount: 0.0408588

Manual Int. Results

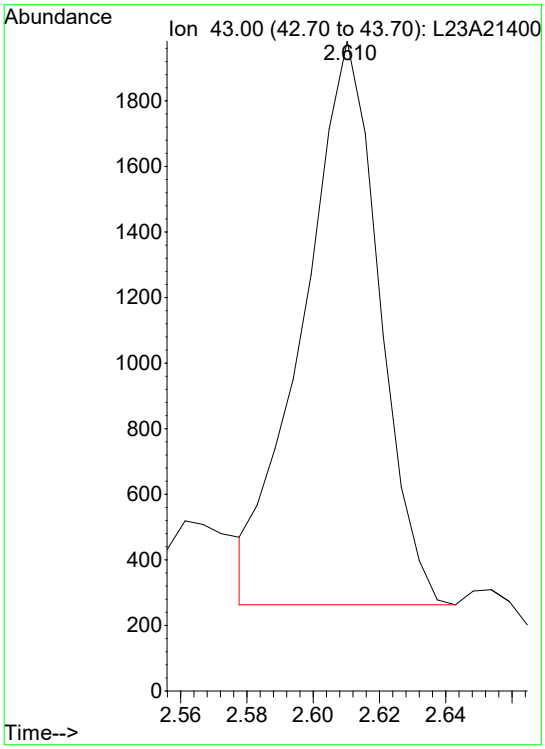
Thu Aug 03 10:25:20 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
VINYL ACETATE



Original Int. Results

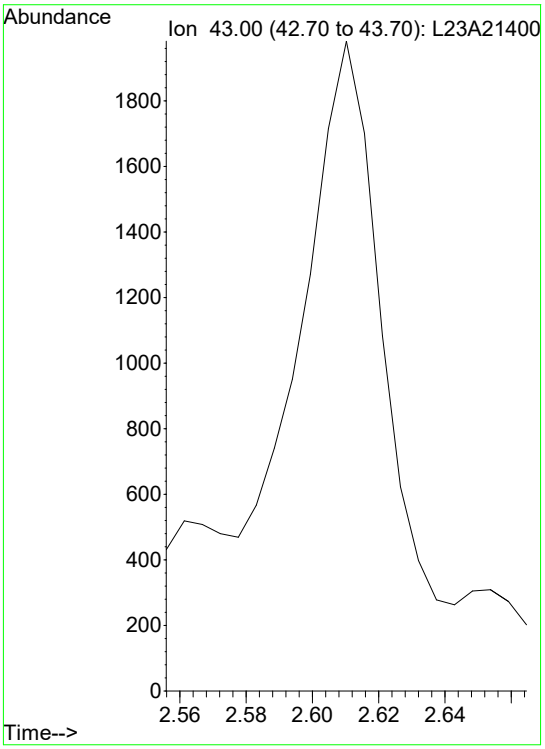
RT : 2.61
Area : 2745
Amount: 0.0476275

Manual Int. Results

Thu Aug 03 10:25:51 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

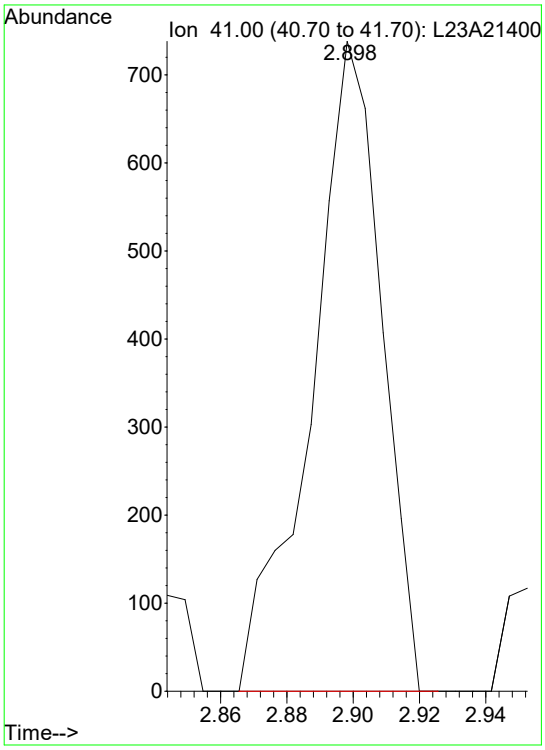
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
HEXANE



Original Int. Results

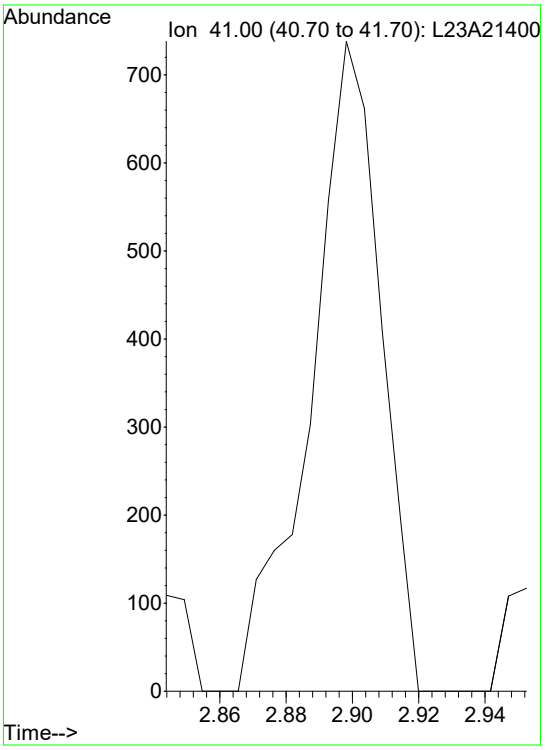
RT : 2.90
Area : 1085
Amount: 0.037473

Manual Int. Results

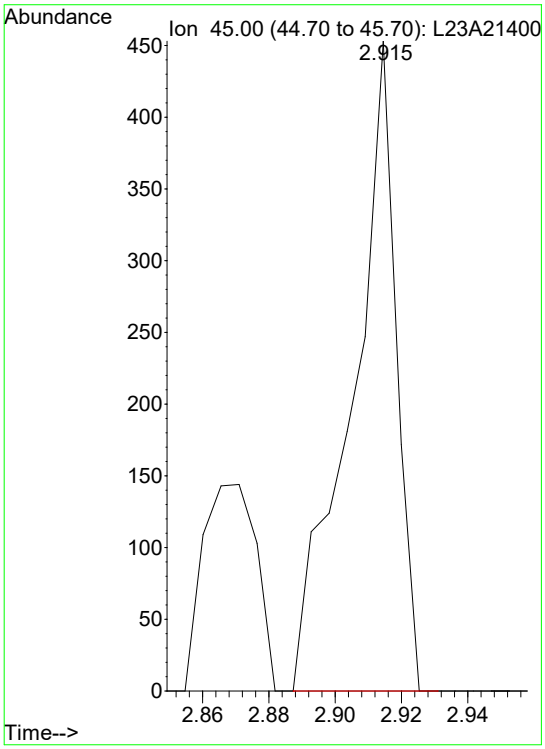
Thu Aug 03 10:25:55 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
ETHYL ACETATE



Original Int. Results

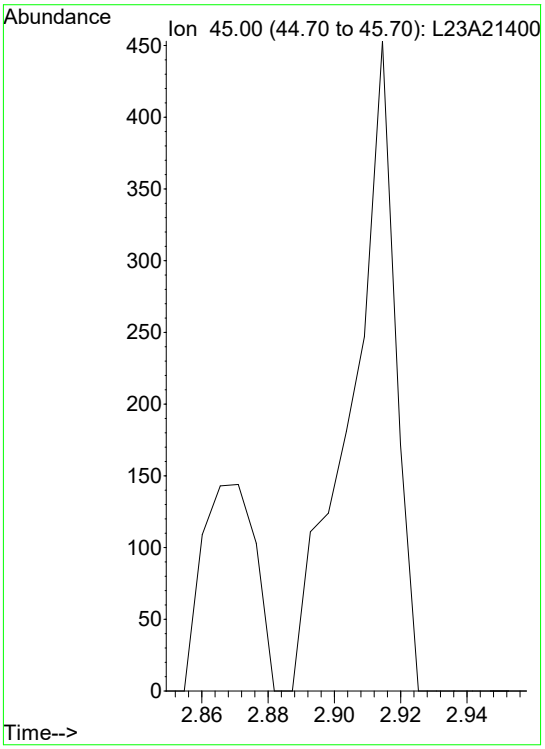
RT : 2.91
Area : 420
Amount: 0.0434556

Manual Int. Results

Thu Aug 03 10:26:01 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

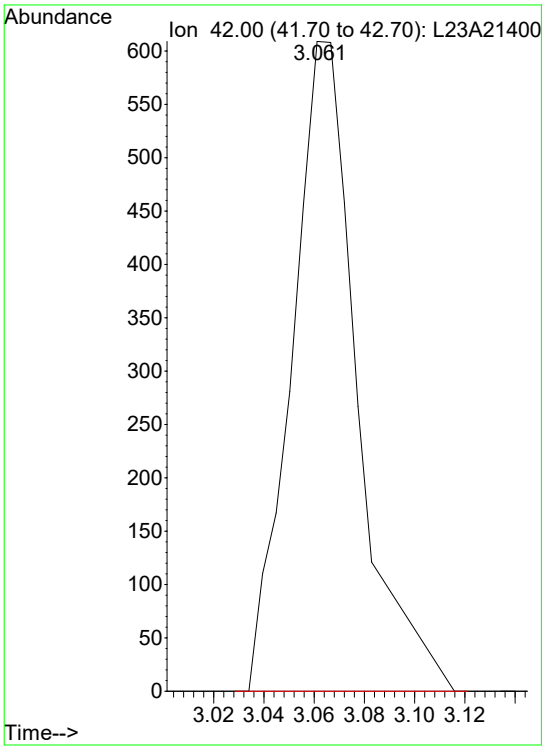
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
TETRAHYDROFURAN



Original Int. Results

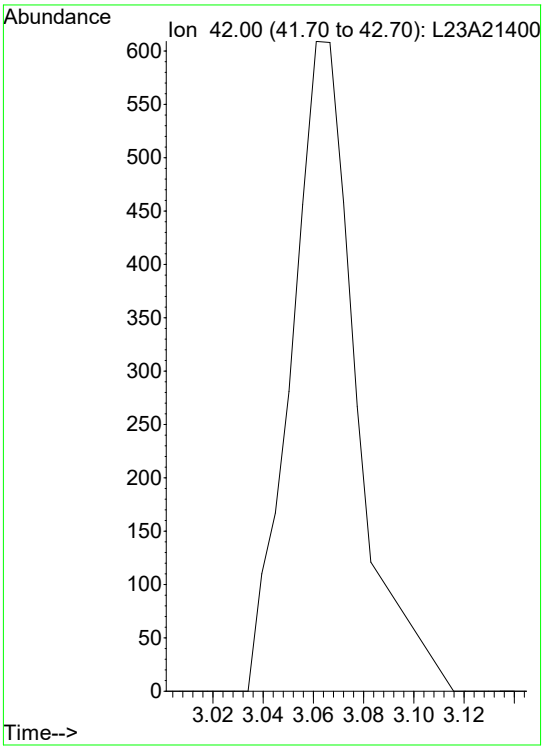
RT : 3.06
Area : 1414
Amount: 0.0361756

Manual Int. Results

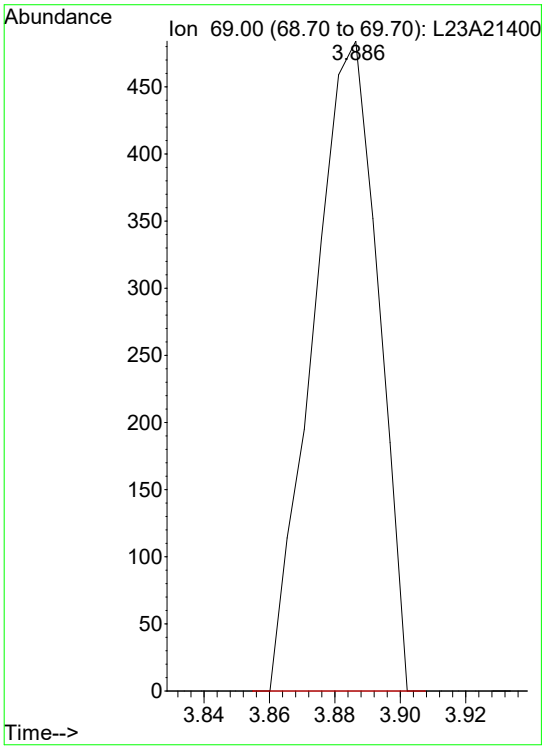
Thu Aug 03 10:26:08 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
METHYLMETHACRYLATE



Original Int. Results

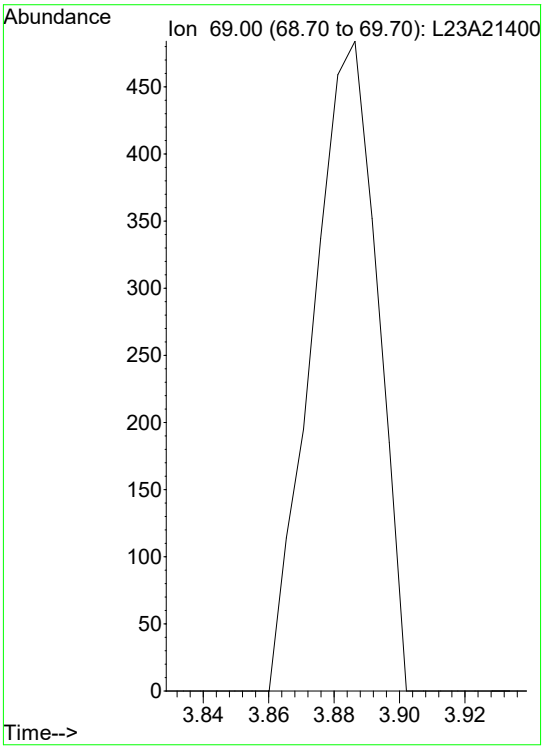
RT : 3.89
Area : 669
Amount: 0.0249816

Manual Int. Results

Thu Aug 03 10:26:36 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

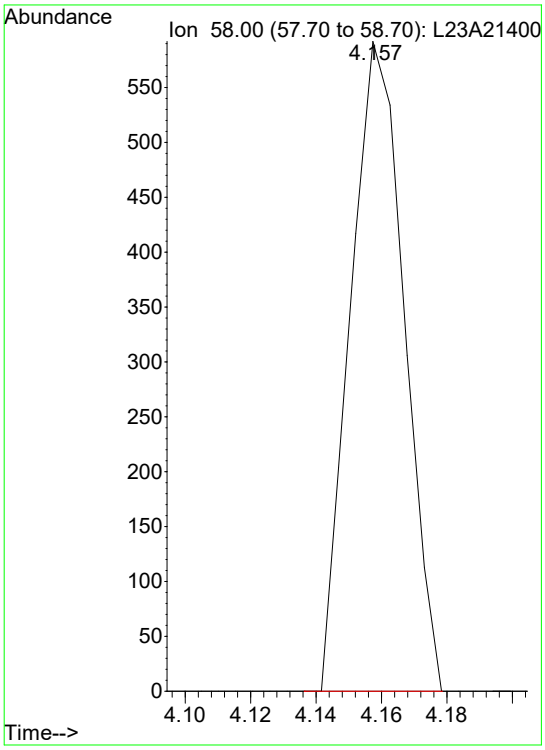
Manual Integration
METHYLMETHACRYLATE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214007.D
Acq On : 02 Aug 2023 05:50 pm
Operator : CMR
Sample : 0.025PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:27:06 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
MIBK



Original Int. Results

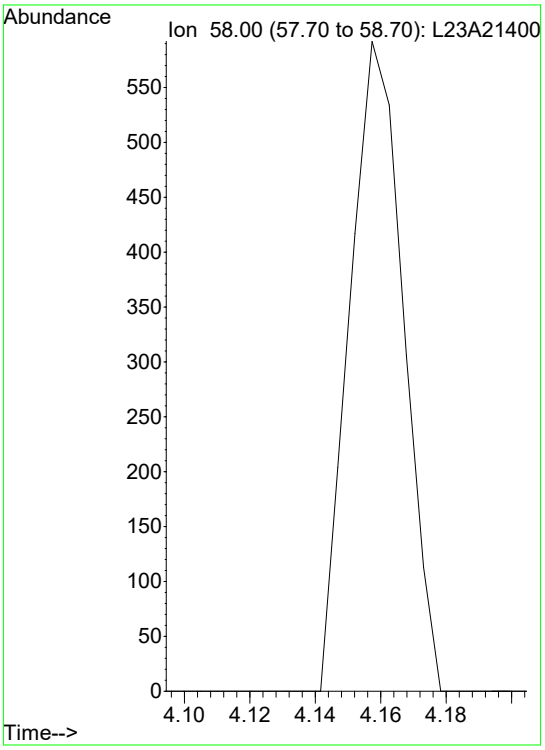
RT : 4.16
Area : 682
Amount: 0.0247242

Manual Int. Results

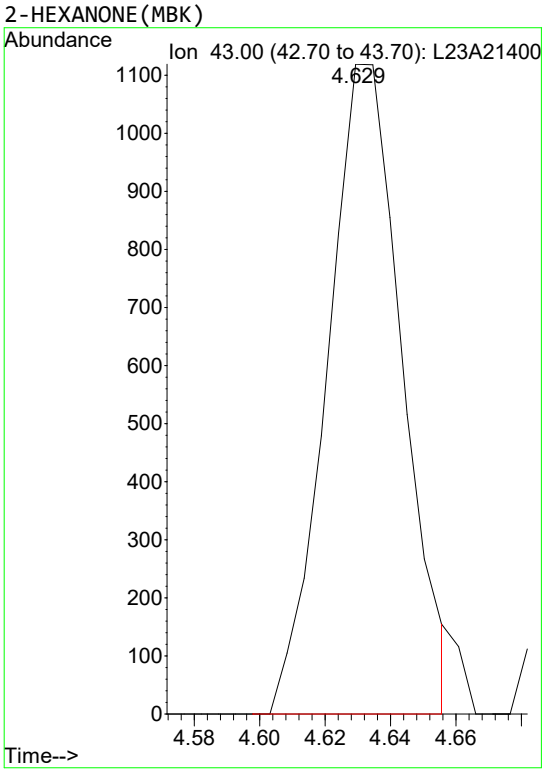
Thu Aug 03 10:26:45 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
2-HEXANONE(MBK)



Original Int. Results

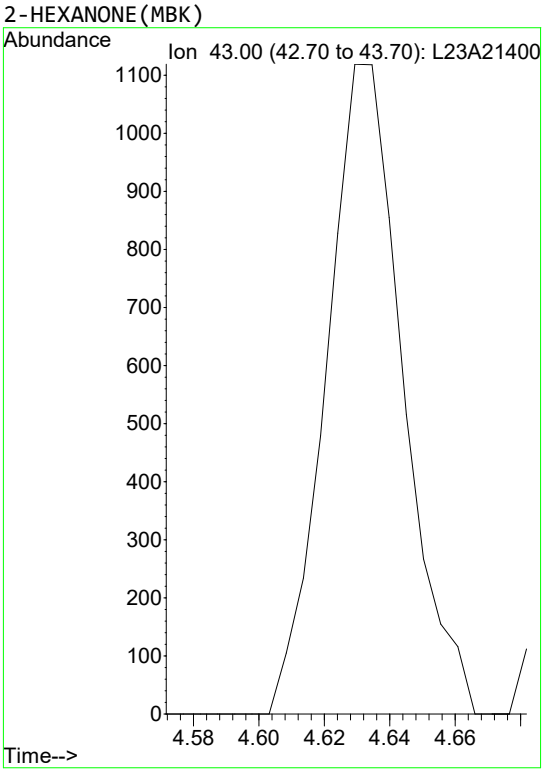
RT : 4.63
Area : 1786
Amount: 0.0275472

Manual Int. Results

Thu Aug 03 10:27:05 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214008.D Vial: 2
Acq On : 02 Aug 2023 06:17 pm Operator: CMR
Sample : 0.05PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:34 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214008.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE (1)	2.871	49	324904	8.000	PPBV		0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	893287	8.000	PPBV		0.00
44) CHLOROBENZENE-D5 (1)	5.200	117	850215	8.000	PPBV		0.00
69) BROMOCHLOROMETHANE (1)...	2.868	49	358402	8.000	PPBV		0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	952672	8.000	PPBV		0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	930792	8.000	PPBV		0.00
System Monitoring Compounds							
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	458101	7.993	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.88%				
88) 4-BROMOFLUOROBENZENE (...	5.860	174	473038	7.960	PPBV		0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	1.535	85	3925	0.060	PPBV		99
4) CHLOROMETHANE	1.572	50	1097	0.044	PPBV	#	52
5) FREON 114	1.598	85	3875	0.059	PPBV		93
6) VINYL CHLORIDE	1.630	62	1485	0.054	PPBV	#	63
7) 1,3-BUTADIENE	1.661	54	1072	0.053	PPBV		83
8) BROMOMETHANE	1.729	94	1492	0.063	PPBV		81
9) CHLOROETHANE	1.777	64	1014	0.068	PPBV		94
10) ACROLEIN	1.897	56	1107	0.088	PPBV		78
11) ACETONE	1.939	43	7672	0.165	PPBV		89
12) TRICHLOROFLUOROMETHANE	1.986	101	3489	0.052	PPBV		100
13) ETHANOL	1.808	45	750	0.084	PPBV	#	57
14) 1,1-DICHLOROETHENE	2.170	61	2443	0.055	PPBV		93
15) METHYLENE CHLORIDE	2.208	49	1916	0.059	PPBV		96
16) FREON 113	2.295	101	2789	0.051	PPBV		83
17) CARBON DISULFIDE	2.300	76	4659	0.059	PPBV		83
18) TRANS-1,2-DICHLOROETHENE	2.496	61	2028	0.048	PPBV	#	63
19) 1,1-DICHLOROETHANE	2.561	63	3163	0.061	PPBV		98
20) MTBE	2.594	73	4765	0.056	PPBV		98
21) IPA	2.018	45	3506	0.074	PPBV		82
22) 2-BUTANONE(MEK)	2.692	43	3276	0.064	PPBV		93
23) CIS-1,2-DICHLOROETHENE	2.817	61	1851	0.051	PPBV		91
25) HEXANE	2.898	41	1423	0.049	PPBV		89
26) ETHYL ACETATE	2.909	45	699	0.072	PPBV	#	72
27) CHLOROFORM	2.914	83	2661	0.047	PPBV		91
28) TETRAHYDROFURAN	3.061	42	2124	0.054	PPBV		83
29) 1,2-DICHLOROETHANE	3.155	62	1705	0.046	PPBV		84
31) 1,1,1-TRICHLOROETHANE	3.244	97	3108	0.058	PPBV		95
32) BENZENE	3.403	78	4131	0.052	PPBV		94
33) CARBON TETRACHLORIDE	3.457	117	2731	0.050	PPBV		86
34) CYCLOHEXANE	3.506	84	1422	0.044	PPBV	#	54
35) 1,2-DICHLOROPROPANE	3.698	63	1608	0.058	PPBV		91
36) BROMODICHLOROMETHANE	3.771	83	3002	0.053	PPBV		98
37) TRICHLOROETHENE	3.787	95	2115	0.059	PPBV		89
39) METHYLMETHACRYLATE	3.886	69	1643	0.061	PPBV		91
40) HEPTANE	3.923	57	1370	0.039	PPBV	#	75
41) MIBK	4.157	58	1521	0.054	PPBV		96
42) CIS-1,3-DICHLOROPROPENE	4.115	75	2111	0.050	PPBV		96
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	2134	0.058	PPBV		79
45) 1,1,2-TRICHLOROETHANE	4.383	97	2061	0.067	PPBV		83
46) TOLUENE	4.493	91	4862	0.050	PPBV		99

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214008.D Vial: 2
Acq On : 02 Aug 2023 06:17 pm Operator: CMR
Sample : 0.05PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:34 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214008.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

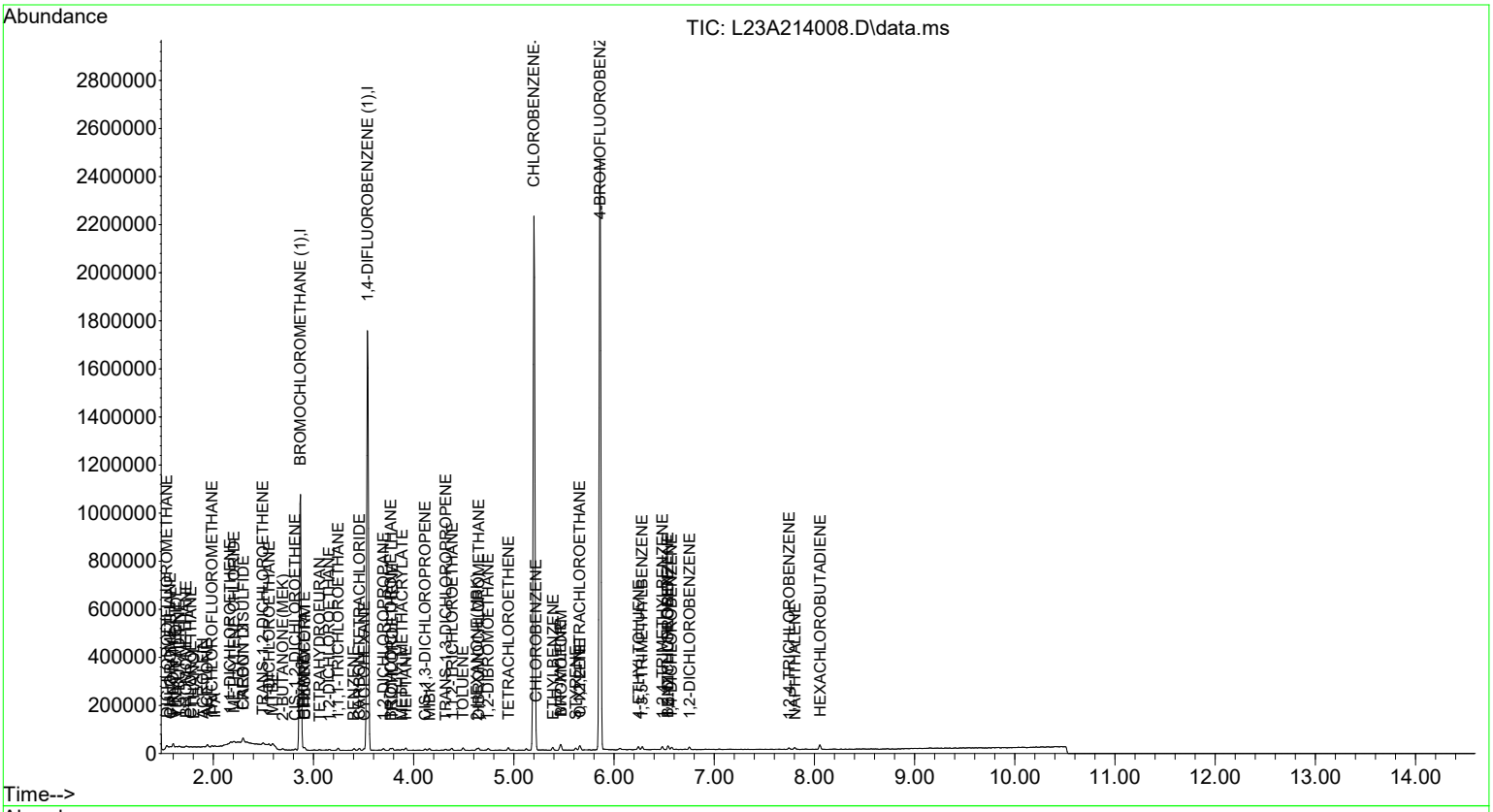
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-HEXANONE(MBK)	4.629	43	3024	0.046	PPBV		97
48) DIBROMOCHLOROMETHANE	4.650	129	3217	0.057	PPBV		96
49) 1,2-DIBROMOETHANE	4.745	107	3633	0.069	PPBV		90
50) TETRACHLOROETHENE	4.944	166	2036	0.049	PPBV		89
51) CHLOROBENZENE	5.222	112	3967	0.055	PPBV	#	1
52) ETHYLBENZENE	5.391	91	5797	0.049	PPBV		88
53) M/P-XYLENE	5.467	91	9782	0.101	PPBV		96
54) BROMOFORM	5.472	173	2518	0.056	PPBV		92
55) STYRENE	5.619	104	3113	0.048	PPBV		98
56) O-XYLENE	5.662	91	3866	0.042	PPBV		97
57) 1,1,2,2-TETRACHLOROETHANE	5.657	83	3436	0.054	PPBV		89
59) 4-ETHYLTOLUENE	6.245	105	5948	0.049	PPBV		92
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	4722	0.047	PPBV		92
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	4462	0.046	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.538	146	2739	0.049	PPBV		91
63) BENZYL CHLORIDE	6.538	91	2812	0.053	PPBV		96
64) 1,4-DICHLOROBENZENE	6.575	146	2489	0.049	PPBV		94
65) 1,2-DICHLOROBENZENE	6.753	146	3287	0.063	PPBV		94
66) 1,2,4-TRICHLOROBENZENE	7.748	180	1161	0.059	PPBV	#	74
67) NAPHTHALENE	7.806	128	3627	0.076	PPBv		94
68) HEXACHLOROBUTADIENE	8.057	225	2308	0.080	PPBV		85
70] VINYL CHLORIDE (SIM)	1.633	62	1472	0.052	PPBV		98
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	2468	0.053	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	2474	0.054	PPBV		99
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	2963	0.053	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.820	61	1976	0.051	PPBV		98
75] CHLOROFORM (SIM)	2.917	83	3145	0.053	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	2067	0.054	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	3140	0.053	PPBV		99
79] 1,2-DICHLOROPROPANE (SIM)	3.700	63	1578	0.054	PPBV		95
80] BROMODICHLOROMETHANE (...	3.769	83	3369	0.054	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	1973	0.053	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	2307	0.053	PPBV		99
83] TRANS-1,3-DICHLOROPROP...	4.323	75	2048	0.053	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	1757	0.052	PPBV		98
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	3841	0.066	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	3820	0.057	PPBV		99
89] NAPHTHALENE (SIM)	7.803	128	4513	0.089	PPBV		100

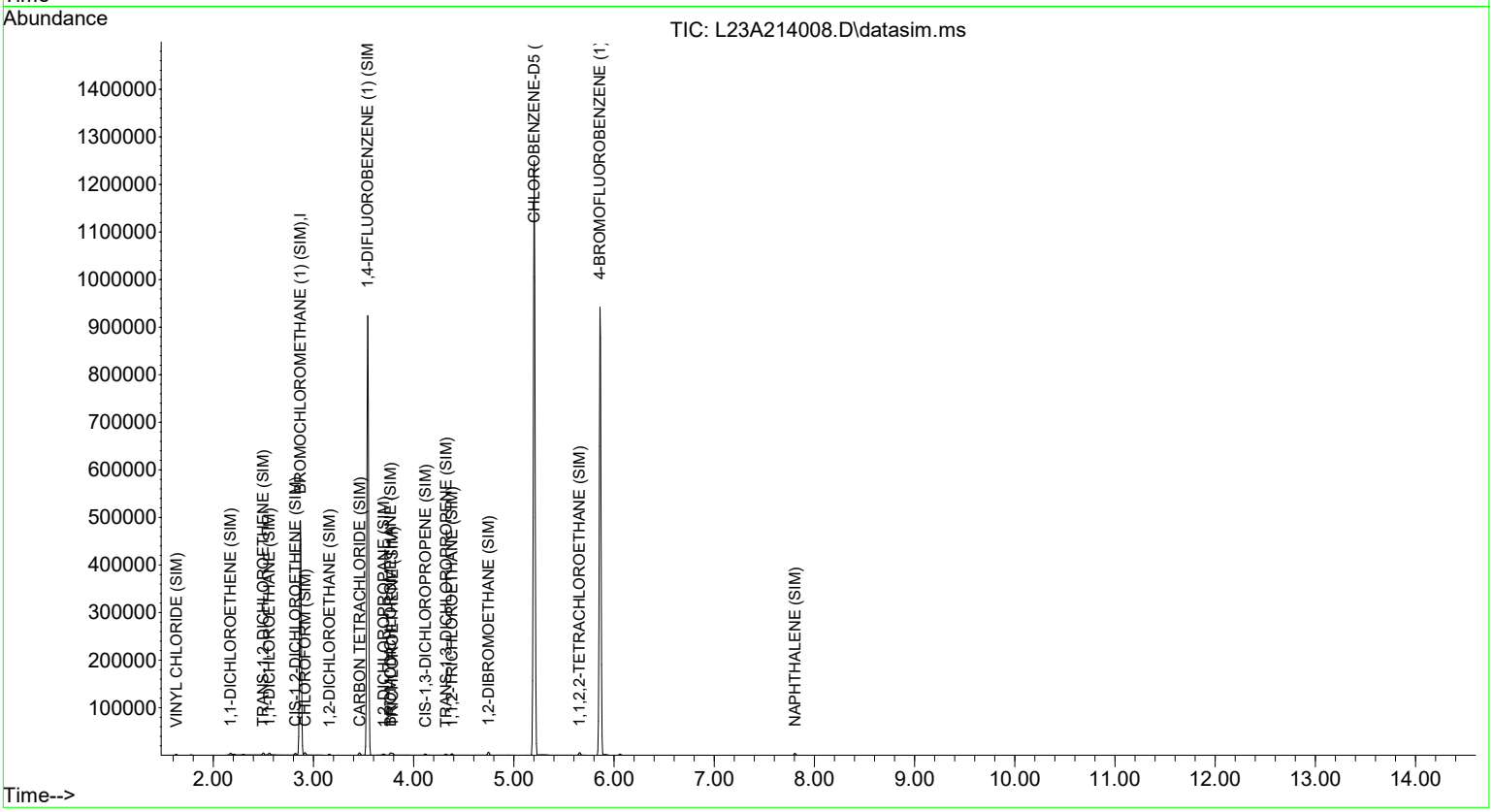
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214008.D Vial: 2
Acq On : 02 Aug 2023 06:17 pm Operator: CMR
Sample : 0.05PPBV STD Inst : SYSL
Misc : CTWS-4088-2489 08/26 Multiplr: 1.00
Quant Time: Aug 03 09:36:34 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214008.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

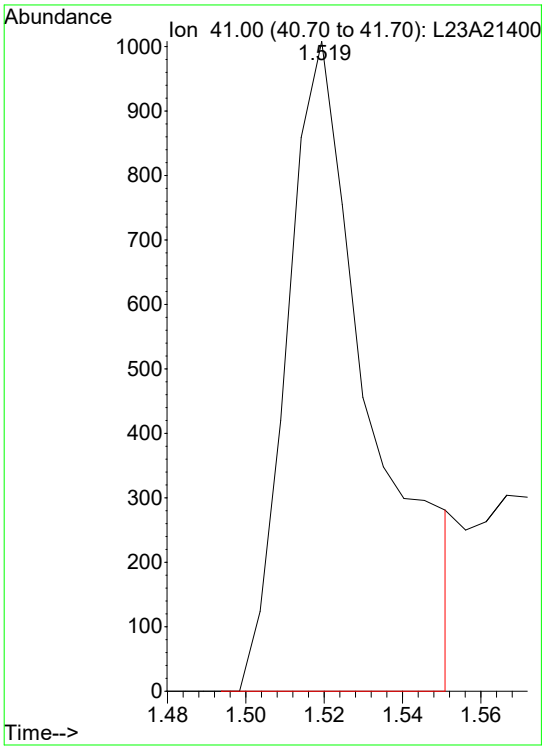




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214008.D
Acq On : 02 Aug 2023 06:17 pm
Operator : CMR
Sample : 0.05PPBV STD
Misc : CTWS-4088-2489 08/26

Quant Time : Thu Aug 03 10:20:47 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
PROPENE



Original Int. Results

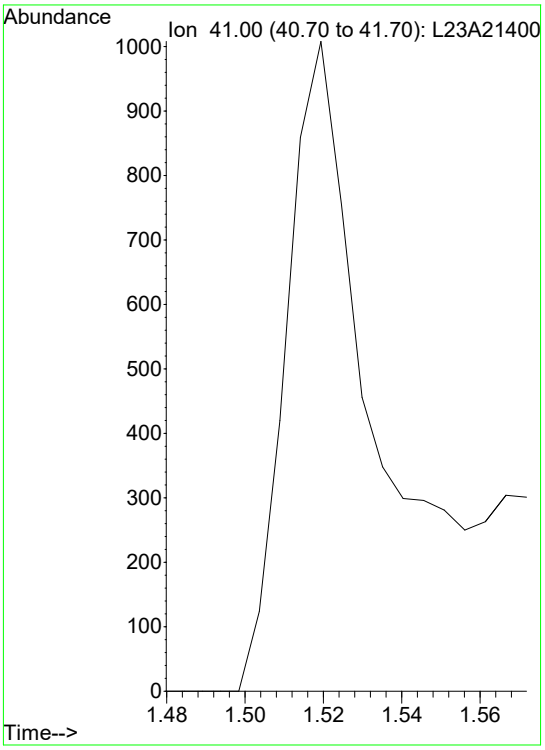
RT : 1.52
Area : 1509
Amount: 0.0954095

Manual Int. Results

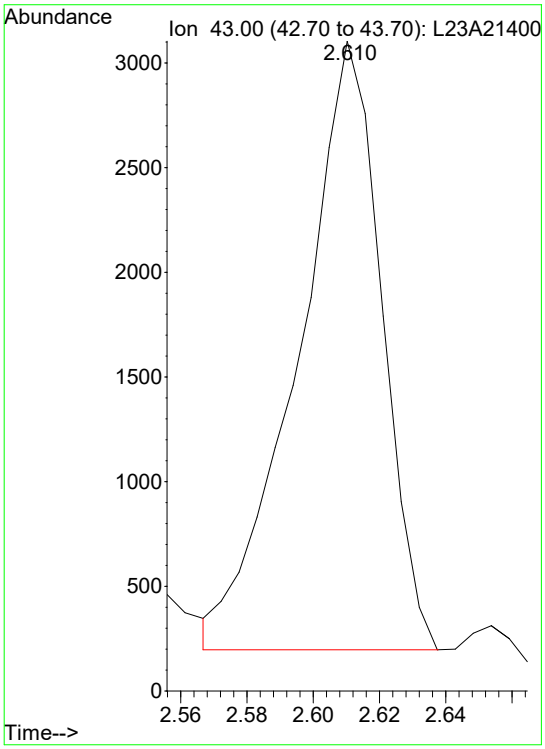
Thu Aug 03 10:20:19 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
VINYL ACETATE



Original Int. Results

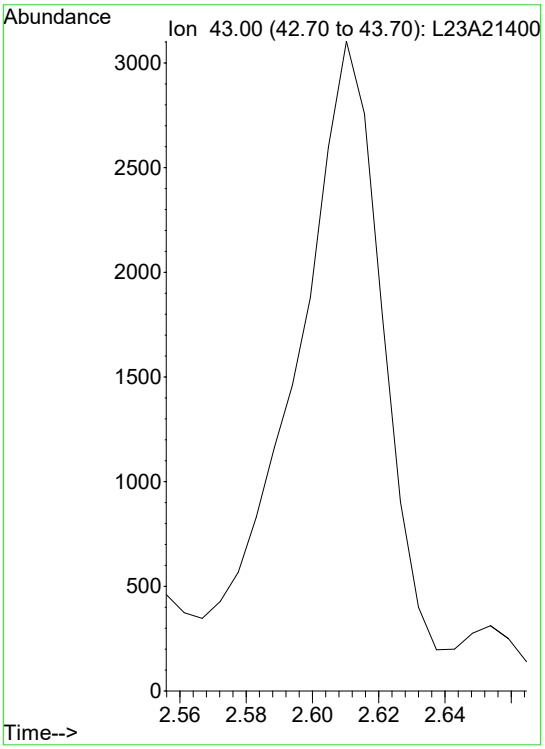
RT : 2.61
Area : 5064
Amount: 0.0875007

Manual Int. Results

Thu Aug 03 10:20:45 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214009.D Vial: 3
Acq On : 02 Aug 2023 06:43 pm Operator: CMR
Sample : 0.10PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:37 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214009.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	321226	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	881236	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	827100	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	350901	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	927354	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	909792	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	442515	7.937	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.25%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	460340	7.925	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.13%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	2324	0.149	PPBV	86
3) DICHLORODIFLUOROMETHANE	1.535	85	7136	0.110	PPBV	96
4) CHLOROMETHANE	1.572	50	2382	0.097	PPBV	76
5) FREON 114	1.598	85	7154	0.110	PPBV	99
6) VINYL CHLORIDE	1.630	62	3220	0.118	PPBV	89
7) 1,3-BUTADIENE	1.666	54	2292	0.114	PPBV	89
8) BROMOMETHANE	1.729	94	2473	0.106	PPBV	94
9) CHLOROETHANE	1.777	64	2258	0.153	PPBV	85
10) ACROLEIN	1.903	56	1560	0.126	PPBV	93
11) ACETONE	1.945	43	7456	0.162	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.986	101	7052	0.105	PPBV	92
13) ETHANOL	1.808	45	1097	0.124	PPBV	91
14) 1,1-DICHLOROETHENE	2.175	61	4429	0.100	PPBV	90
15) METHYLENE CHLORIDE	2.208	49	3870	0.121	PPBV	86
16) FREON 113	2.300	101	5962	0.111	PPBV	97
17) CARBON DISULFIDE	2.300	76	7785	0.100	PPBV	96
18) TRANS-1,2-DICHLOROETHENE	2.496	61	4484	0.106	PPBV	85
19) 1,1-DICHLOROETHANE	2.561	63	5338	0.103	PPBV	92
20) MTBE	2.594	73	8606	0.102	PPBV	99
21) IPA	2.018	45	5494	0.118	PPBV	71
22) 2-BUTANONE(MEK)	2.692	43	5331	0.106	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.817	61	3312	0.093	PPBV	83
25) HEXANE	2.898	41	3019	0.105	PPBV	94
26) ETHYL ACETATE	2.909	45	856	0.089	PPBV	84
27) CHLOROFORM	2.915	83	5961	0.106	PPBV	92
28) TETRAHYDROFURAN	3.061	42	3645	0.094	PPBV #	75
29) 1,2-DICHLOROETHANE	3.155	62	3813	0.104	PPBV	96
31) 1,1,1-TRICHLOROETHANE	3.245	97	5827	0.110	PPBV	98
32) BENZENE	3.403	78	8094	0.103	PPBV	98
33) CARBON TETRACHLORIDE	3.457	117	6068	0.113	PPBV	90
34) CYCLOHEXANE	3.506	84	3674	0.116	PPBV	96
35) 1,2-DICHLOROPROPANE	3.698	63	2820	0.102	PPBV	95
36) BROMODICHLOROMETHANE	3.766	83	5998	0.107	PPBV	99
37) TRICHLOROETHENE	3.787	95	3679	0.105	PPBV	92
38) 1,4-DIOXANE	3.834	88	2218m	0.117	PPBV	
39) METHYLMETHACRYLATE	3.886	69	2718	0.102	PPBV	94
40) HEPTANE	3.923	57	2370	0.068	PPBV #	77
41) MIBK	4.157	58	2706	0.098	PPBV	89
42) CIS-1,3-DICHLOROPROPENE	4.116	75	4244	0.102	PPBV	96
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	3475	0.095	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214009.D Vial: 3
Acq On : 02 Aug 2023 06:43 pm Operator: CMR
Sample : 0.10PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:37 2023

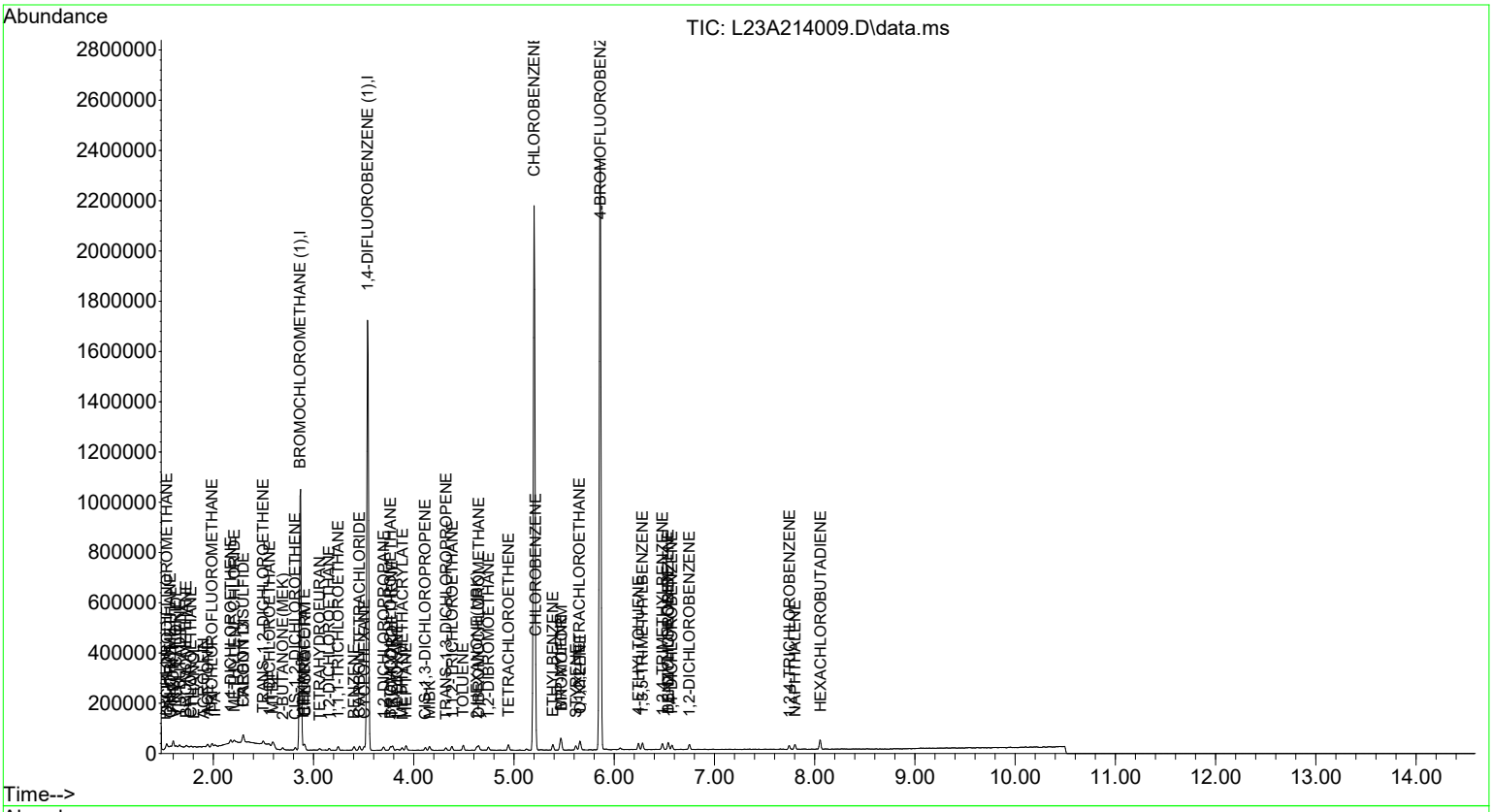
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214009.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

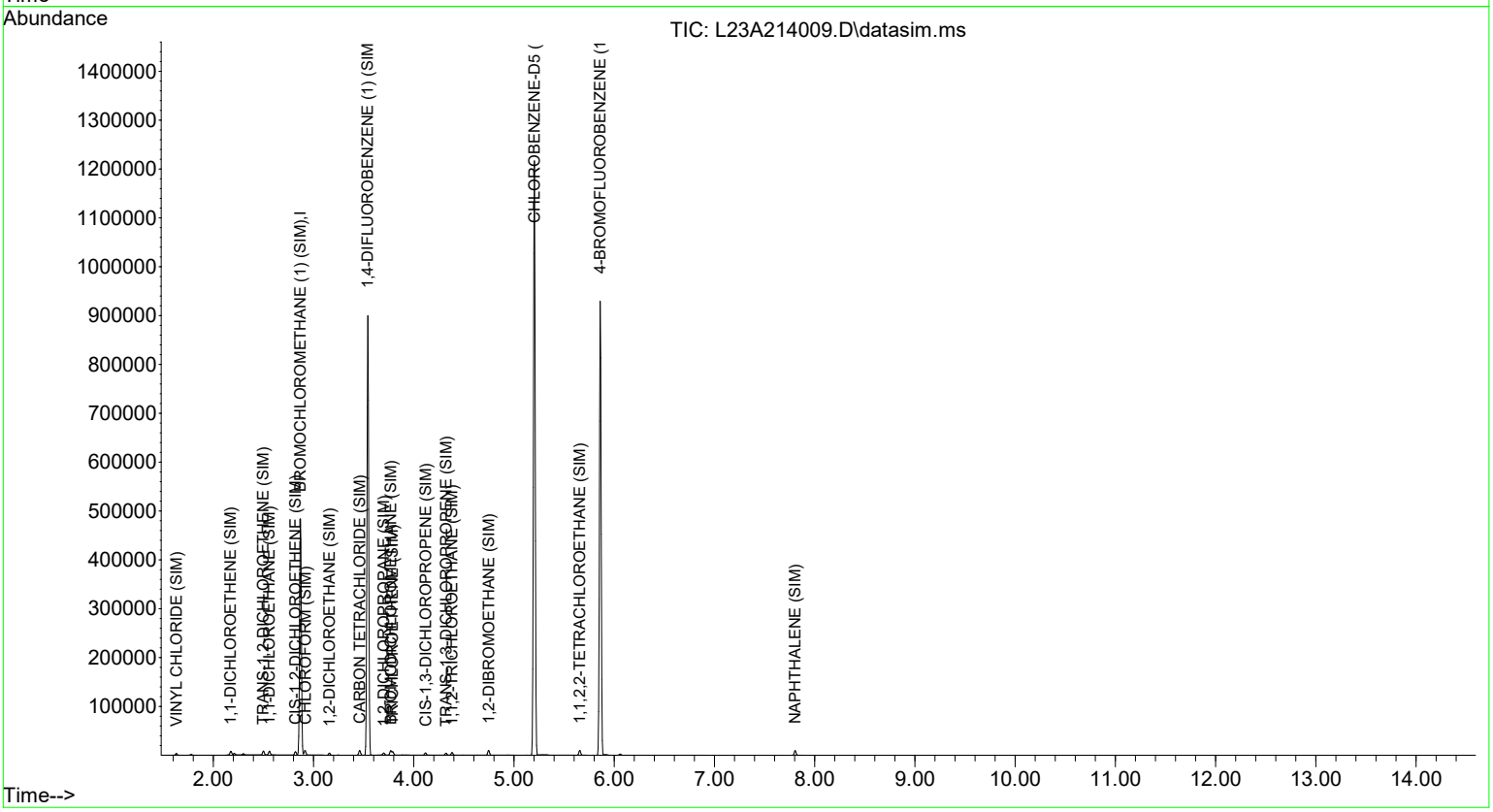
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-TRICHLOROETHANE	4.383	97	3269	0.110	PPBV		97
46) TOLUENE	4.493	91	9718	0.103	PPBV		97
47) 2-HEXANONE(MBK)	4.629	43	6037	0.094	PPBV		98
48) DIBROMOCHLOROMETHANE	4.650	129	6058	0.111	PPBV		93
49) 1,2-DIBROMOETHANE	4.745	107	5584	0.109	PPBV		94
50) TETRACHLOROETHENE	4.944	166	4542	0.112	PPBV		91
51) CHLOROBENZENE	5.217	112	7476	0.107	PPBV	#	3
52) ETHYLBENZENE	5.385	91	11584	0.100	PPBV		93
53) M/P-XYLENE	5.467	91	19834	0.211	PPBV		95
54) BROMOFORM	5.472	173	4939	0.113	PPBV		92
55) STYRENE	5.619	104	6199	0.099	PPBV		97
56) O-XYLENE	5.662	91	8558	0.095	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	7030	0.113	PPBV		98
59) 4-ETHYLTOLUENE	6.240	105	11645	0.098	PPBV		99
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	10096	0.104	PPBV		95
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	9372	0.099	PPBV	#	97
62) 1,3-DICHLOROBENZENE	6.539	146	4973	0.092	PPBV		92
63) BENZYL CHLORIDE	6.539	91	5481	0.105	PPBV		91
64) 1,4-DICHLOROBENZENE	6.575	146	4373	0.088	PPBV		94
65) 1,2-DICHLOROBENZENE	6.749	146	6250	0.124	PPBV		89
66) 1,2,4-TRICHLOROBENZENE	7.748	180	3449	0.181	PPBV		90
67) NAPHTHALENE	7.806	128	10180	0.218	PPBv		100
68) HEXACHLOROBUTADIENE	8.058	225	4383	0.156	PPBV		87
70] VINYL CHLORIDE (SIM)	1.632	62	2923	0.106	PPBV		98
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	4863	0.107	PPBV		98
72] TRANS-1,2-DICHLOROETHE...	2.499	61	4798	0.107	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	5925	0.109	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.820	61	4033	0.106	PPBV		99
75] CHLOROFORM (SIM)	2.917	83	6140	0.106	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	3978	0.106	PPBV		100
78] CARBON TETRACHLORIDE (...	3.460	117	6206	0.108	PPBV		99
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	3041	0.106	PPBV		99
80] BROMODICHLOROMETHANE (...	3.769	83	6666	0.109	PPBV		99
81] TRICHLOROETHENE (SIM)	3.790	95	3792	0.105	PPBV		98
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	4401	0.103	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.323	75	3905	0.103	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	3398	0.103	PPBV		98
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	6023	0.106	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	7422	0.114	PPBV		100
89] NAPHTHALENE (SIM)	7.804	128	10699	0.216	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214009.D Vial: 3
Acq On : 02 Aug 2023 06:43 pm Operator: CMR
Sample : 0.10PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:37 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214009.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

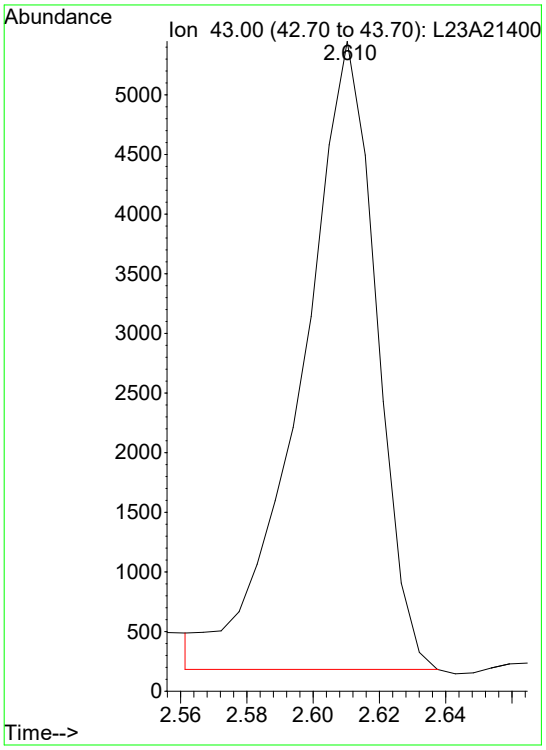




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214009.D
Acq On : 02 Aug 2023 06:43 pm
Operator : CMR
Sample : 0.10PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:17:38 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

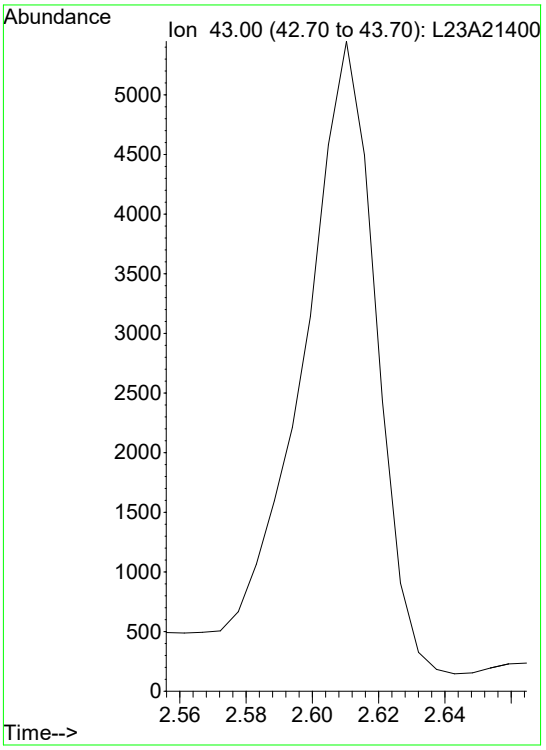
RT : 2.61
Area : 8317
Amount: 0.145355

Manual Int. Results

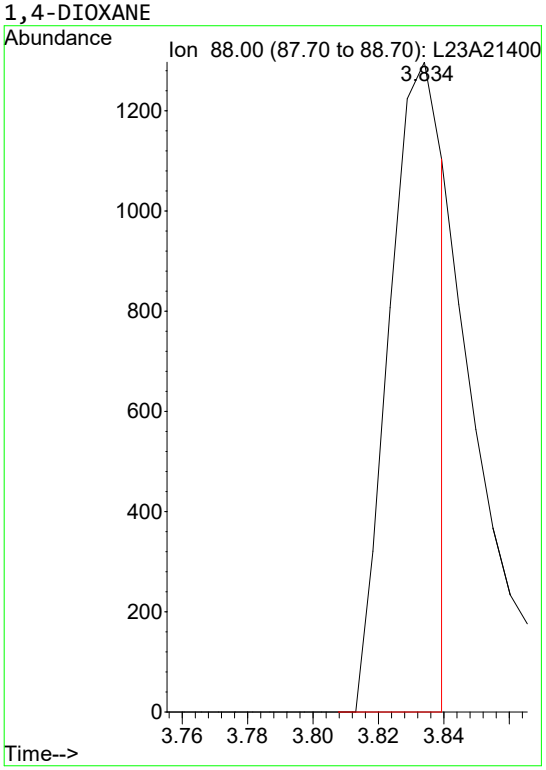
Thu Aug 03 10:17:15 2023

MIuser: CMR
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
VINYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

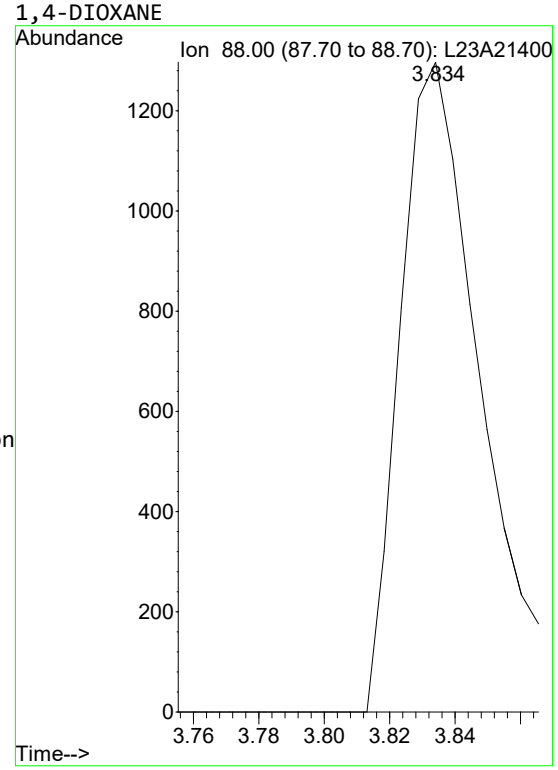
RT : 3.83
Area : 1496
Amount: 0.0787581

Manual Int. Results

Thu Aug 03 10:17:38 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.83
Area : 2218
Amount: 0.116768

Manual Integration
1,4-DIOXANE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214010.D Vial: 3
Acq On : 02 Aug 2023 07:09 pm Operator: CMR
Sample : 0.20PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:40 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214010.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	316540	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.544	114	879366	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	821196	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.874	49	348434	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	924222	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.203	117	908735	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	450202	8.133	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.63%			
88) 4-BROMOFLUOROBENZENE (...	5.859	174	460249	7.933	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.13%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	3755	0.244	PPBV	89
3) DICHLORODIFLUOROMETHANE	1.535	85	14307	0.224	PPBV	99
4) CHLOROMETHANE	1.572	50	4482	0.186	PPBV	70
5) FREON 114	1.598	85	14230	0.221	PPBV	99
6) VINYL CHLORIDE	1.630	62	5391	0.201	PPBV	85
7) 1,3-BUTADIENE	1.661	54	4786	0.241	PPBV	95
8) BROMOMETHANE	1.735	94	5002	0.218	PPBV	93
9) CHLOROETHANE	1.777	64	3343	0.230	PPBV	92
10) ACROLEIN	1.903	56	2931	0.240	PPBV	84
11) ACETONE	1.945	43	11126	0.245	PPBV	86
12) TRICHLOROFLUOROMETHANE	1.986	101	15227	0.231	PPBV	99
13) ETHANOL	1.808	45	1519	0.174	PPBV	76
14) 1,1-DICHLOROETHENE	2.175	61	8929	0.205	PPBV	96
15) METHYLENE CHLORIDE	2.208	49	6685	0.212	PPBV	95
16) FREON 113	2.300	101	11772	0.222	PPBV	99
17) CARBON DISULFIDE	2.300	76	16843	0.219	PPBV	91
18) TRANS-1,2-DICHLOROETHENE	2.502	61	9308	0.224	PPBV	97
19) 1,1-DICHLOROETHANE	2.561	63	10996	0.216	PPBV	94
20) MTBE	2.594	73	16364	0.197	PPBV	91
21) IPA	2.018	45	11260	0.245	PPBV	99
22) 2-BUTANONE(MEK)	2.692	43	10713	0.215	PPBV	96
23) CIS-1,2-DICHLOROETHENE	2.822	61	7621	0.216	PPBV	95
24) VINYL ACETATE	2.610	43	12902m	0.229	PPBV	
25) HEXANE	2.898	41	6266	0.221	PPBV	94
26) ETHYL ACETATE	2.909	45	1996	0.211	PPBV #	77
27) CHLOROFORM	2.915	83	11491	0.207	PPBV	90
28) TETRAHYDROFURAN	3.061	42	6925	0.181	PPBV	93
29) 1,2-DICHLOROETHANE	3.155	62	7959	0.219	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.250	97	10588	0.201	PPBV	98
32) BENZENE	3.408	78	16350	0.208	PPBV	100
33) CARBON TETRACHLORIDE	3.457	117	11653	0.218	PPBV	98
34) CYCLOHEXANE	3.506	84	6701	0.211	PPBV	94
35) 1,2-DICHLOROPROPANE	3.703	63	5662	0.206	PPBV	93
36) BROMODICHLOROMETHANE	3.771	83	12826	0.229	PPBV	92
37) TRICHLOROETHENE	3.792	95	7340	0.210	PPBV	95
38) 1,4-DIOXANE	3.829	88	4760m	0.251	PPBV	
39) METHYLMETHACRYLATE	3.887	69	5398	0.202	PPBV	97
40) HEPTANE	3.923	57	5342	0.154	PPBV	95
41) MIBK	4.158	58	4835	0.176	PPBV	88
42) CIS-1,3-DICHLOROPROPENE	4.116	75	8334	0.201	PPBV	97

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214010.D Vial: 3 559
Acq On : 02 Aug 2023 07:09 pm Operator: CMR
Sample : 0.20PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:40 2023

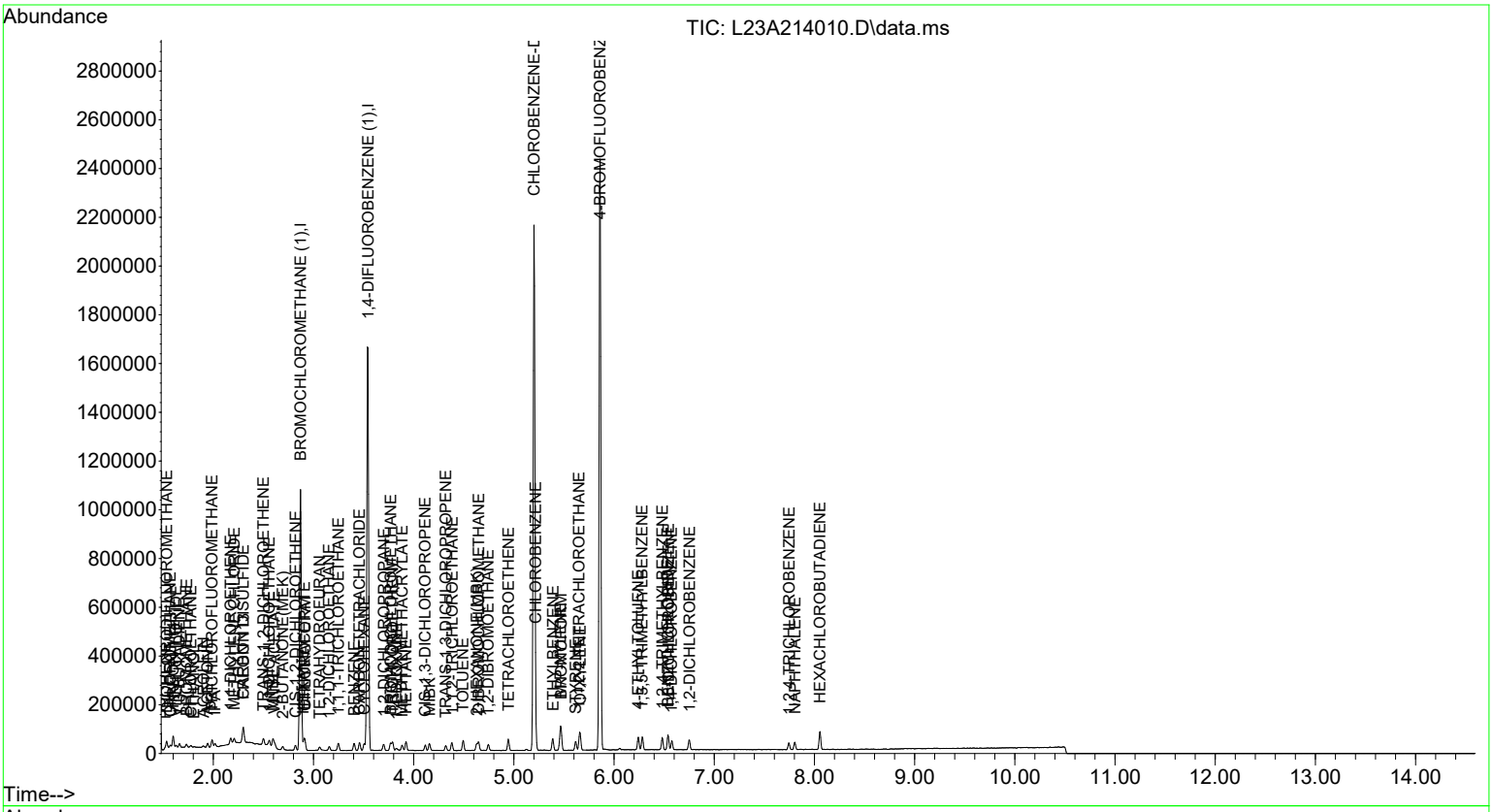
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214010.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

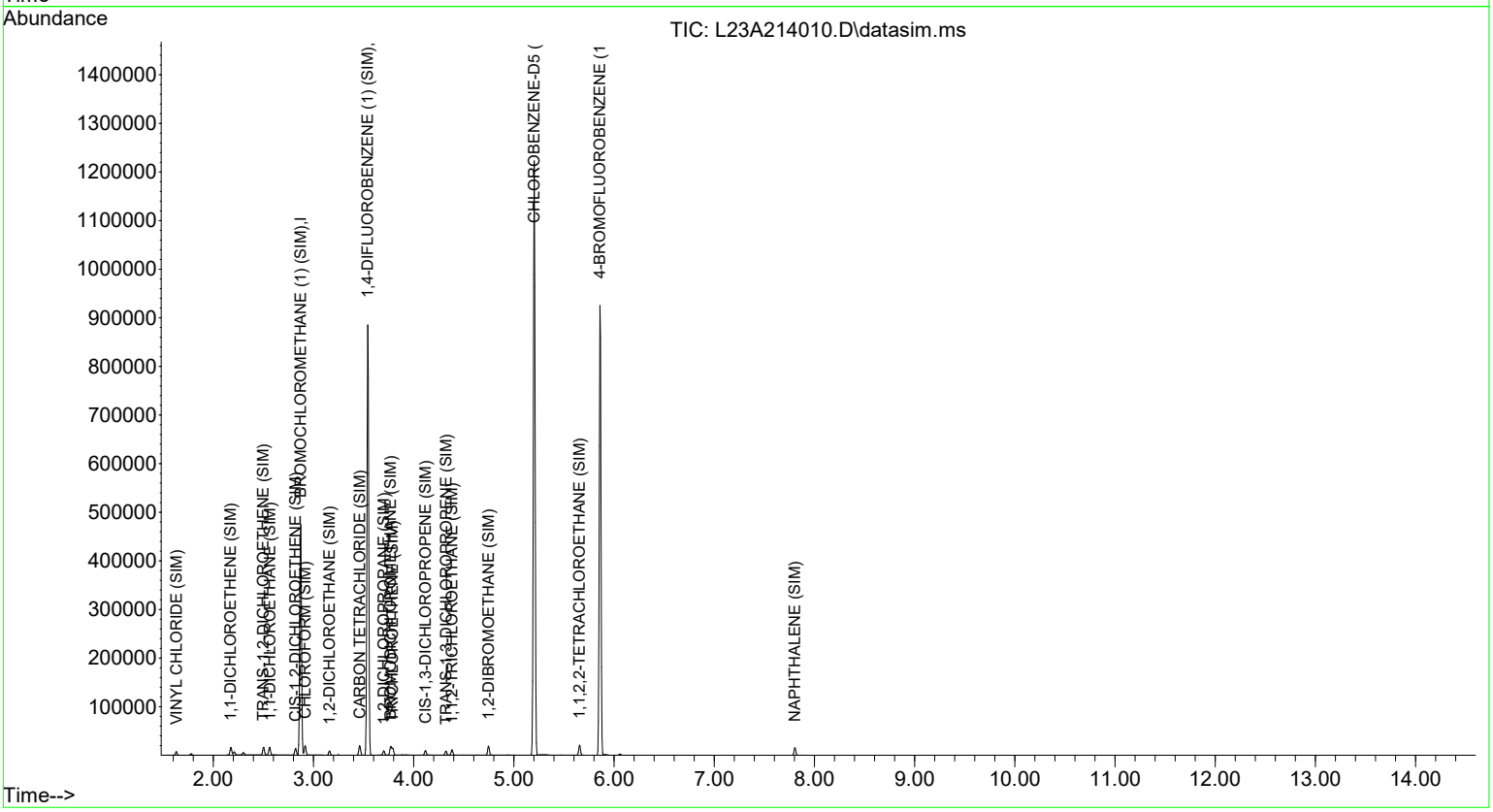
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	7437	0.204	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.383	97	6337	0.214	PPBV		96
46) TOLUENE	4.493	91	20131	0.214	PPBV		98
47) 2-HEXANONE(MBK)	4.630	43	12076	0.189	PPBV		96
48) DIBROMOCHLOROMETHANE	4.651	129	11606	0.215	PPBV		98
49) 1,2-DIBROMOETHANE	4.745	107	11009	0.216	PPBV		100
50) TETRACHLOROETHENE	4.944	166	7906	0.196	PPBV		94
51) CHLOROBENZENE	5.217	112	14554	0.210	PPBV	#	45
52) ETHYLBENZENE	5.391	91	25094	0.218	PPBV		99
53) M/P-XYLENE	5.467	91	38820	0.417	PPBV		97
54) BROMOFORM	5.472	173	10189	0.234	PPBV		95
55) STYRENE	5.619	104	13012	0.209	PPBV		99
56) O-XYLENE	5.662	91	27430	0.307	PPBV		75
57) 1,1,2,2-TETRACHLOROETHANE	5.651	83	13604	0.220	PPBV		91
59) 4-ETHYLTOLUENE	6.239	105	24888	0.211	PPBV		97
60) 1,3,5-TRIMETHYLBENZENE	6.281	105	22084	0.229	PPBV		95
61) 1,2,4-TRIMETHYLBENZENE	6.480	105	19629	0.208	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.543	146	11291	0.211	PPBV		93
63) BENZYL CHLORIDE	6.538	91	10604	0.205	PPBV		96
64) 1,4-DICHLOROBENZENE	6.575	146	11553	0.235	PPBV		89
65) 1,2-DICHLOROBENZENE	6.753	146	11573	0.231	PPBV		97
66) 1,2,4-TRICHLOROBENZENE	7.748	180	6283	0.332	PPBV		99
67) NAPHTHALENE	7.805	128	16384	0.353	PPBv		97
68) HEXACHLOROBUTADIENE	8.057	225	9694	0.348	PPBV		93
70] VINYL CHLORIDE (SIM)	1.633	62	6058	0.222	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	10005	0.221	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	9880	0.222	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.564	63	12110	0.224	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	8075	0.213	PPBV		99
75] CHLOROFORM (SIM)	2.917	83	12559	0.218	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	8148	0.218	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	12596	0.221	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	6080	0.213	PPBV		99
80] BROMODICHLOROMETHANE (...	3.769	83	13497	0.222	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	7943	0.221	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	9058	0.213	PPBV		98
83] TRANS-1,3-DICHLOROPROP...	4.323	75	8069	0.214	PPBV		99
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	7213	0.218	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	11459	0.201	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.654	83	15379	0.237	PPBV		98
89] NAPHTHALENE (SIM)	7.803	128	17594	0.356	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214010.D Vial: 3
Acq On : 02 Aug 2023 07:09 pm Operator: CMR
Sample : 0.20PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:40 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214010.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

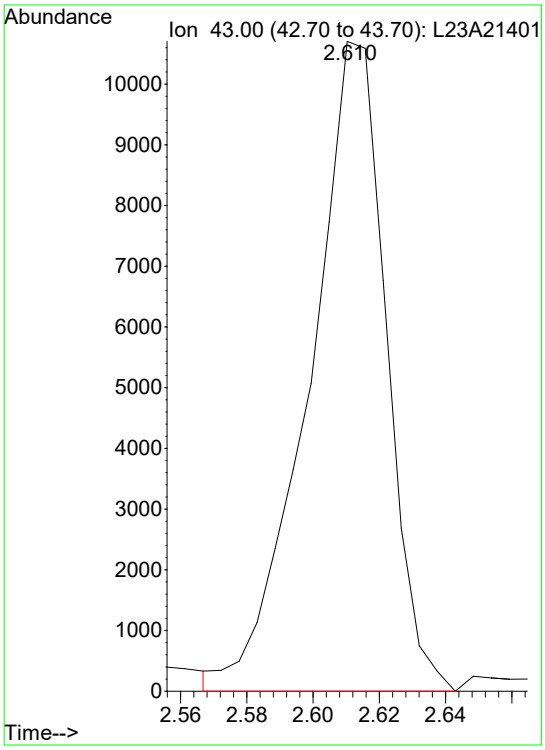




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214010.D
Acq On : 02 Aug 2023 07:09 pm
Operator : CMR
Sample : 0.20PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:14:31 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

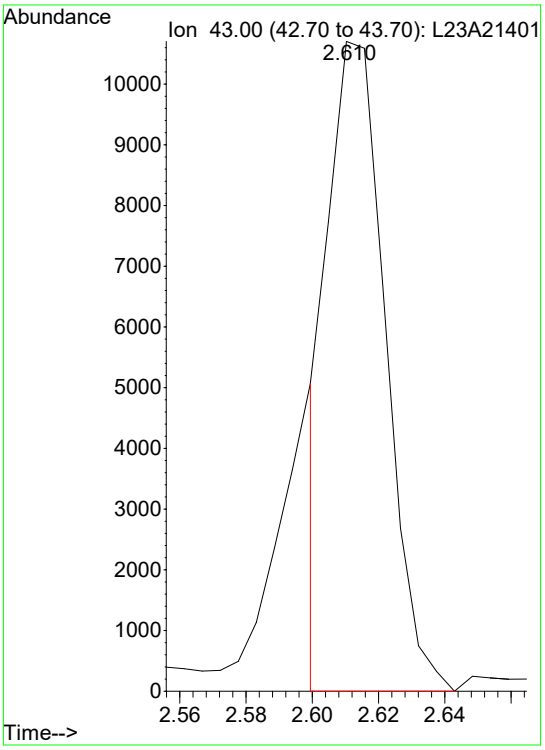
RT : 2.61
Area : 17158
Amount: 0.304306

Manual Int. Results

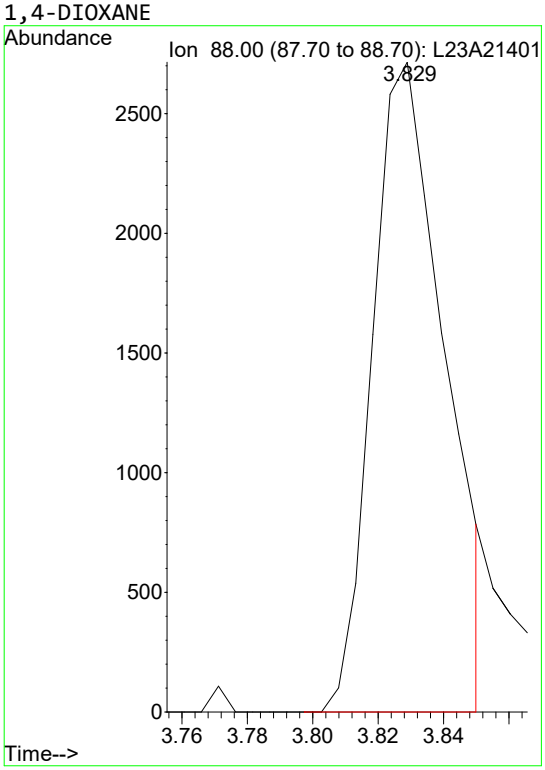
Thu Aug 03 10:14:12 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 12902
Amount: 0.228824

Manual Integration
VINYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

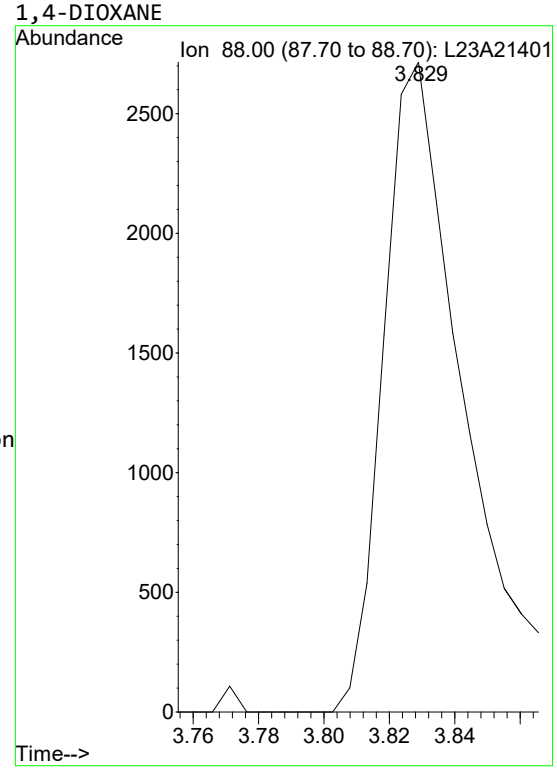
RT : 3.83
Area : 4156
Amount: 0.219261

Manual Int. Results

Thu Aug 03 10:14:31 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.83
Area : 4760
Amount: 0.251127

Manual Integration
1,4-DIOXANE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214011.D Vial: 3
Acq On : 02 Aug 2023 07:35 pm Operator: CMR
Sample : 0.25PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:43 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214011.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	316385	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	876180	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	817900	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	349236	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	917063	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	904791	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	445747	8.085	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.00%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	459821	7.960	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	4117	0.267	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.535	85	17695	0.277	PPBV	99
4) CHLOROMETHANE	1.572	50	6261	0.260	PPBV	94
5) FREON 114	1.598	85	17685	0.275	PPBV	99
6) VINYL CHLORIDE	1.630	62	6916	0.258	PPBV	92
7) 1,3-BUTADIENE	1.666	54	5674	0.286	PPBV	96
8) BROMOMETHANE	1.735	94	5869	0.256	PPBV	92
9) CHLOROETHANE	1.777	64	4035	0.277	PPBV	98
10) ACROLEIN	1.903	56	3057	0.251	PPBV	100
11) ACETONE	1.944	43	14025	0.309	PPBV	88
12) TRICHLOROFLUOROMETHANE	1.986	101	17170	0.260	PPBV	95
13) ETHANOL	1.808	45	2521	0.289	PPBV	84
14) 1,1-DICHLOROETHENE	2.175	61	10942	0.251	PPBV	98
15) METHYLENE CHLORIDE	2.208	49	8966	0.284	PPBV	95
16) FREON 113	2.295	101	13616	0.257	PPBV	91
17) CARBON DISULFIDE	2.300	76	19365	0.252	PPBV	95
18) TRANS-1,2-DICHLOROETHENE	2.496	61	10783	0.259	PPBV	91
19) 1,1-DICHLOROETHANE	2.556	63	14204	0.280	PPBV	94
20) MTBE	2.594	73	21485	0.259	PPBV	100
21) IPA	2.013	45	11869	0.258	PPBV	93
22) 2-BUTANONE(MEK)	2.692	43	12847	0.258	PPBV	93
23) CIS-1,2-DICHLOROETHENE	2.817	61	9330	0.265	PPBV	96
24) VINYL ACETATE	2.610	43	15447m	0.274	PPBV	
25) HEXANE	2.898	41	7692	0.272	PPBV	94
26) ETHYL ACETATE	2.909	45	2289	0.242	PPBV	90
27) CHLOROFORM	2.915	83	14266	0.257	PPBV	94
28) TETRAHYDROFURAN	3.056	42	9353	0.245	PPBV	90
29) 1,2-DICHLOROETHANE	3.155	62	9636	0.266	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	13807	0.263	PPBV	98
32) BENZENE	3.403	78	20126	0.256	PPBV	99
33) CARBON TETRACHLORIDE	3.458	117	13851	0.260	PPBV	94
34) CYCLOHEXANE	3.506	84	7862	0.249	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	7197	0.263	PPBV	91
36) BROMODICHLOROMETHANE	3.766	83	15295	0.274	PPBV	100
37) TRICHLOROETHENE	3.787	95	9093	0.261	PPBV	93
38) 1,4-DIOXANE	3.824	88	4624m	0.245	PPBV	
39) METHYLMETHACRYLATE	3.881	69	6927	0.261	PPBV	97
40) HEPTANE	3.923	57	5464	0.158	PPBV	89
41) MIBK	4.152	58	6890	0.252	PPBV	94
42) CIS-1,3-DICHLOROPROPENE	4.116	75	10868	0.263	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214011.D Vial: 3
Acq On : 02 Aug 2023 07:35 pm Operator: CMR
Sample : 0.25PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:43 2023

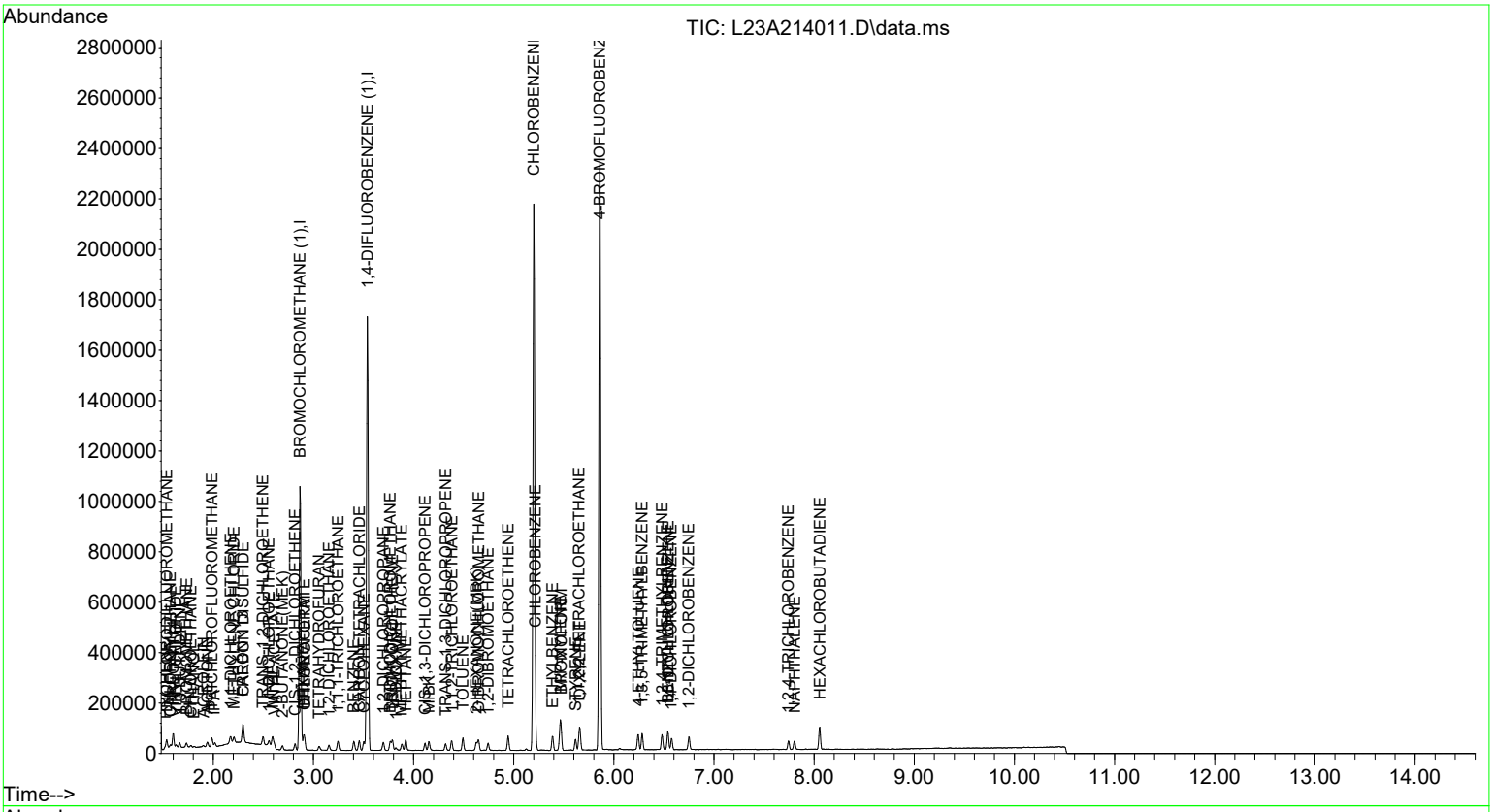
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214011.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

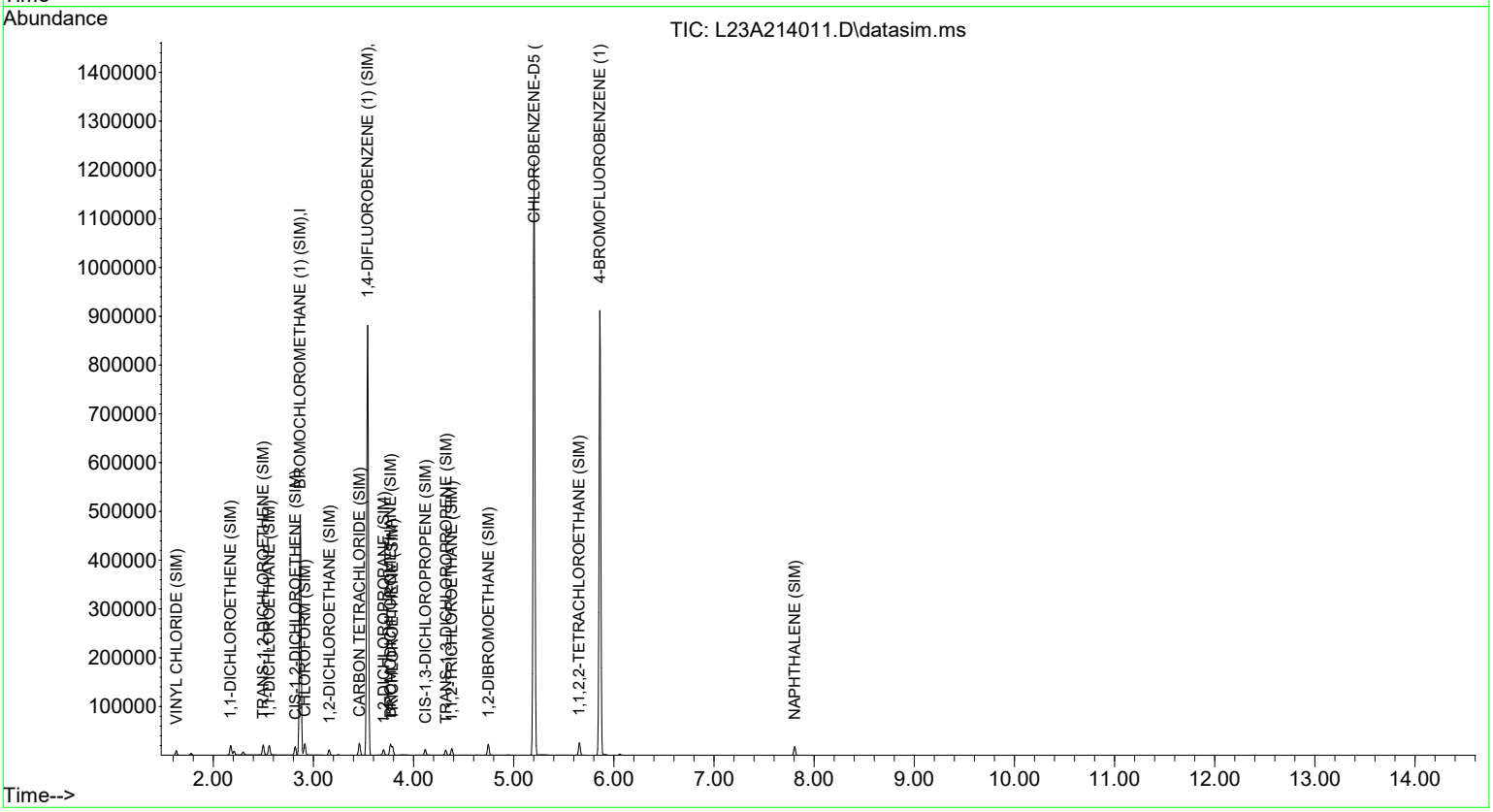
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	8637	0.238	PPBV		95
45) 1,1,2-TRICHLOROETHANE	4.383	97	7295	0.247	PPBV		91
46) TOLUENE	4.493	91	23331	0.249	PPBV		100
47) 2-HEXANONE(MBK)	4.624	43	15580	0.245	PPBV		96
48) DIBROMOCHLOROMETHANE	4.651	129	14258	0.265	PPBV		96
49) 1,2-DIBROMOETHANE	4.745	107	12383	0.244	PPBV		99
50) TETRACHLOROETHENE	4.944	166	11266	0.280	PPBV		94
51) CHLOROBENZENE	5.217	112	19791	0.287	PPBV	#	73
52) ETHYLBENZENE	5.385	91	29854	0.261	PPBV		94
53) M/P-XYLENE	5.467	91	46806	0.504	PPBV		99
54) BROMOFORM	5.472	173	11675	0.269	PPBV		98
55) STYRENE	5.619	104	15642	0.252	PPBV		98
56) O-XYLENE	5.663	91	23591	0.265	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	17401	0.283	PPBV		99
59) 4-ETHYLTOLUENE	6.245	105	30537	0.260	PPBV		97
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	25778	0.268	PPBV		97
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	24807	0.265	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.544	146	14472	0.271	PPBV		95
63) BENZYL CHLORIDE	6.539	91	12747	0.248	PPBV		99
64) 1,4-DICHLOROBENZENE	6.575	146	12103	0.248	PPBV		99
65) 1,2-DICHLOROBENZENE	6.748	146	14199	0.284	PPBV		97
66) 1,2,4-TRICHLOROBENZENE	7.743	180	6856	0.363	PPBV		90
67) NAPHTHALENE	7.806	128	19414	0.420	PPBv		97
68) HEXACHLOROBUTADIENE	8.057	225	11949	0.430	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	7322	0.267	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	12363	0.272	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	12195	0.273	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	14730	0.272	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	9881	0.261	PPBV		99
75] CHLOROFORM (SIM)	2.912	83	15345	0.265	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	10066	0.269	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	15561	0.275	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	7504	0.265	PPBV		99
80] BROMODICHLOROMETHANE (...	3.769	83	16502	0.273	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	9756	0.274	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	11201	0.265	PPBV		99
83] TRANS-1,3-DICHLOROPROP...	4.323	75	9873	0.264	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	8674	0.264	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	13947	0.246	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	18815	0.291	PPBV		100
89] NAPHTHALENE (SIM)	7.803	128	19820	0.402	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214011.D Vial: 3
Acq On : 02 Aug 2023 07:35 pm Operator: CMR
Sample : 0.25PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:43 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214011.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

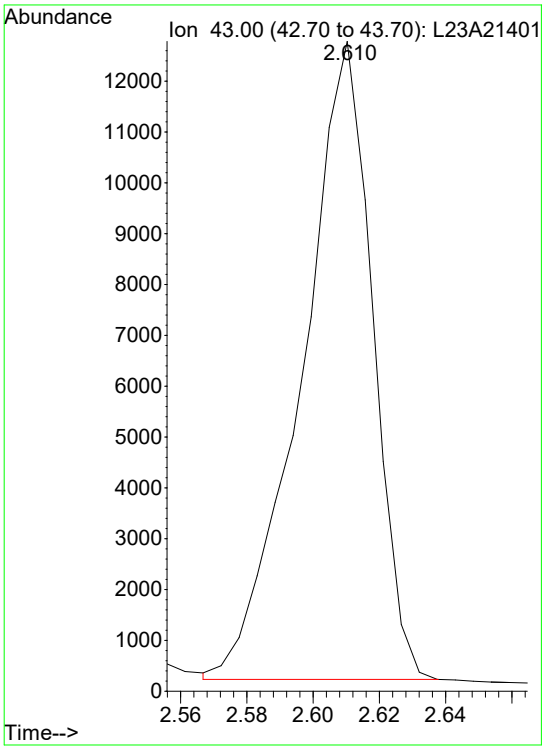




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214011.D
Acq On : 02 Aug 2023 07:35 pm
Operator : CMR
Sample : 0.25PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:11:40 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

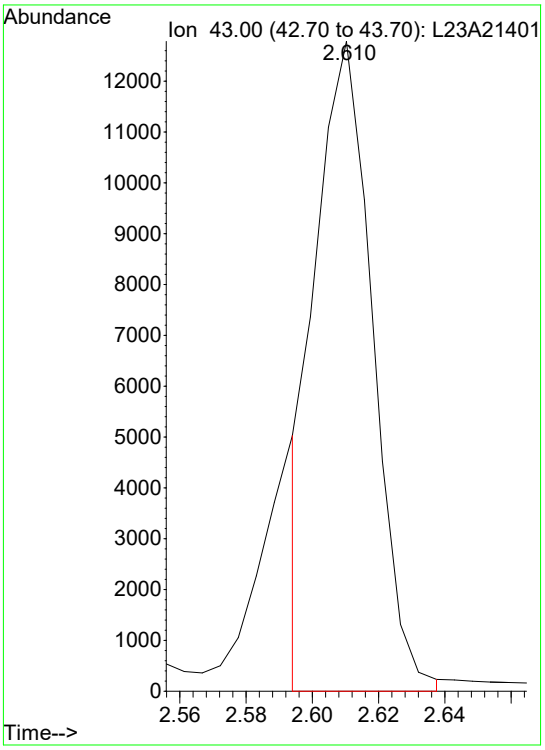
RT : 2.61
Area : 18564
Amount: 0.329404

Manual Int. Results

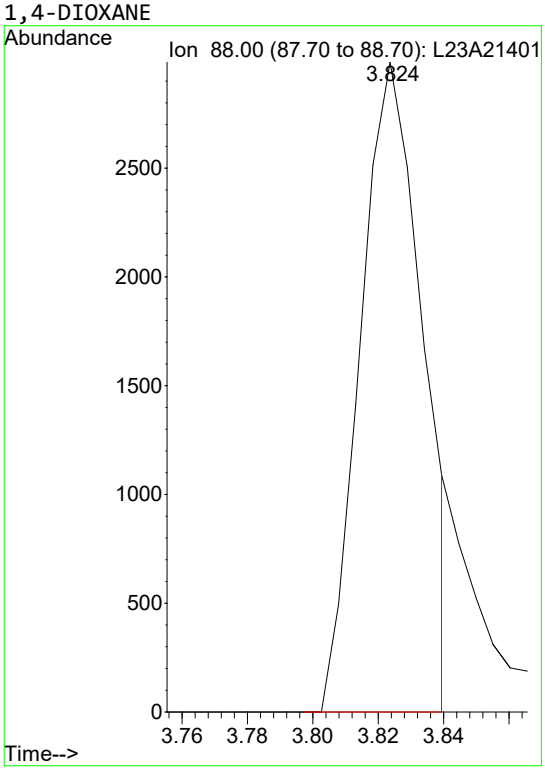
Thu Aug 03 10:11:17 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 15447
Amount: 0.274095

Manual Integration
VINYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

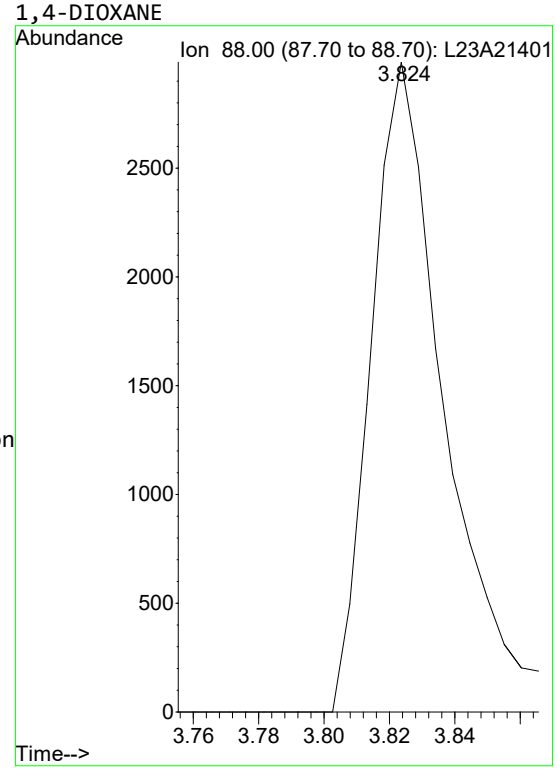
RT : 3.82
Area : 3993
Amount: 0.211428

Manual Int. Results

Thu Aug 03 10:11:40 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.82
Area : 4624
Amount: 0.244839

Manual Integration
1,4-DIOXANE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214012.D Vial: 3
Acq On : 02 Aug 2023 08:01 pm Operator: CMR
Sample : 0.50PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:46 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214012.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	319619	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.544	114	893136	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	833092	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	353693	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	936603	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	928279	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.862	174	458274	8.161	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 102.00%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	473635	7.992	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.88%			
Target Compounds						Qvalue
2) PROPENE	1.520	41	7332	0.471	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.535	85	34362	0.532	PPBV	97
4) CHLOROMETHANE	1.577	50	12489	0.513	PPBV	98
5) FREON 114	1.603	85	34932	0.538	PPBV	96
6) VINYL CHLORIDE	1.630	62	13197	0.488	PPBV	84
7) 1,3-BUTADIENE	1.667	54	10348	0.516	PPBV	98
8) BROMOMETHANE	1.735	94	12150	0.525	PPBV	98
9) CHLOROETHANE	1.777	64	7633	0.519	PPBV	98
10) ACROLEIN	1.903	56	6521	0.529	PPBV	97
11) ACETONE	1.945	43	24880	0.543	PPBV	97
12) TRICHLOROFLUOROMETHANE	1.992	101	34521	0.518	PPBV	98
13) ETHANOL	1.813	45	3408	0.387	PPBV	69
14) 1,1-DICHLOROETHENE	2.175	61	21896	0.498	PPBV	98
15) METHYLENE CHLORIDE	2.208	49	17584	0.552	PPBV	98
16) FREON 113	2.300	101	28580	0.534	PPBV	100
17) CARBON DISULFIDE	2.300	76	38377	0.495	PPBV	95
18) TRANS-1,2-DICHLOROETHENE	2.502	61	22649	0.539	PPBV	95
19) 1,1-DICHLOROETHANE	2.561	63	26848	0.523	PPBV	96
20) MTBE	2.594	73	41399	0.494	PPBV	100
21) IPA	2.018	45	24486	0.527	PPBV	96
22) 2-BUTANONE(MEK)	2.692	43	24830	0.494	PPBV	94
23) CIS-1,2-DICHLOROETHENE	2.817	61	17214	0.484	PPBV	91
24) VINYL ACETATE	2.610	43	26726m	0.469	PPBV	
25) HEXANE	2.898	41	15073	0.527	PPBV	100
26) ETHYL ACETATE	2.909	45	4680	0.490	PPBV	92
27) CHLOROFORM	2.915	83	27102	0.484	PPBV	95
28) TETRAHYDROFURAN	3.061	42	18602	0.482	PPBV	89
29) 1,2-DICHLOROETHANE	3.155	62	19883	0.543	PPBV	97
31) 1,1,1-TRICHLOROETHANE	3.250	97	27992	0.523	PPBV	98
32) BENZENE	3.409	78	39254	0.491	PPBV	100
33) CARBON TETRACHLORIDE	3.457	117	28987	0.535	PPBV	100
34) CYCLOHEXANE	3.506	84	14787	0.459	PPBV	89
35) 1,2-DICHLOROPROPANE	3.703	63	14463	0.518	PPBV	97
36) BROMODICHLOROMETHANE	3.771	83	31816	0.560	PPBV	96
37) TRICHLOROETHENE	3.792	95	18744	0.527	PPBV	93
38) 1,4-DIOXANE	3.818	88	9264	0.481	PPBV	89
39) METHYLMETHACRYLATE	3.886	69	12799m	0.472	PPBV	
40) HEPTANE	3.923	57	12949	0.367	PPBV	92
41) MIBK	4.152	58	12750	0.457	PPBV	91
42) CIS-1,3-DICHLOROPROPENE	4.116	75	20835	0.496	PPBV	97

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214012.D Vial: 3
Acq On : 02 Aug 2023 08:01 pm Operator: CMR
Sample : 0.50PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:46 2023

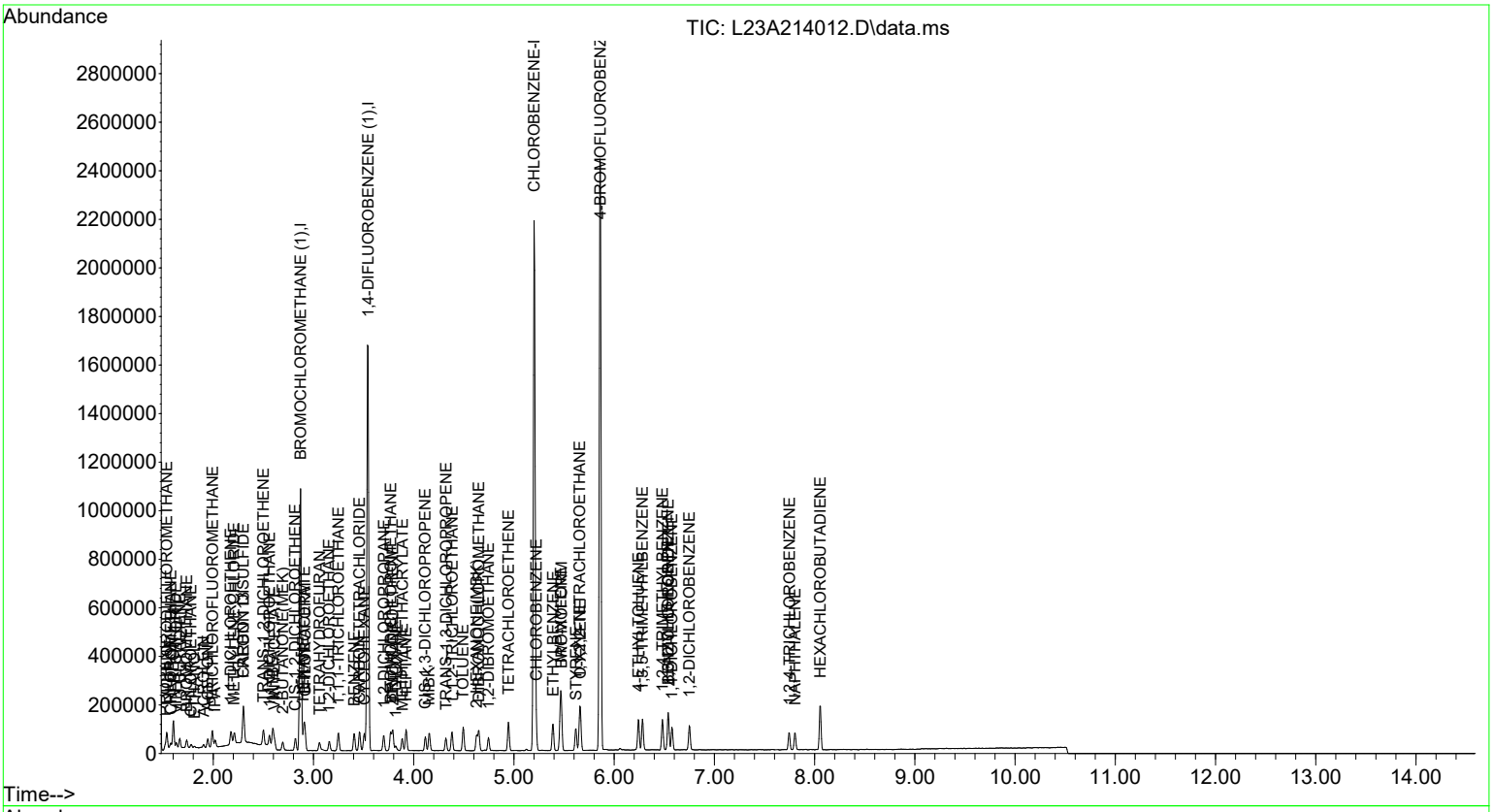
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214012.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

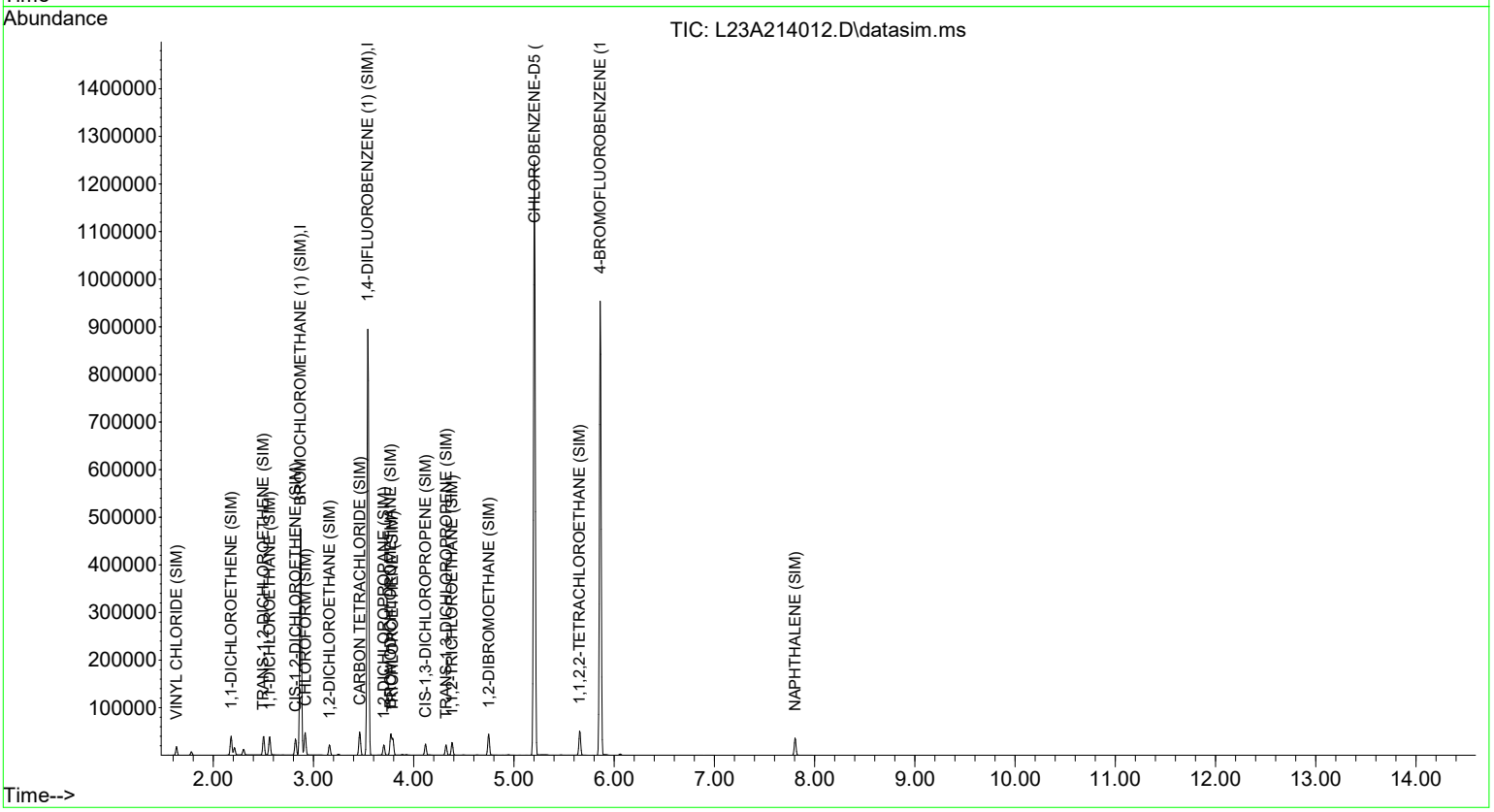
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.320	75	19253	0.520	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.383	97	15144	0.504	PPBV		94
46) TOLUENE	4.493	91	47602	0.499	PPBV		98
47) 2-HEXANONE(MBK)	4.624	43	30255	0.467	PPBV		100
48) DIBROMOCHLOROMETHANE	4.651	129	27922	0.509	PPBV		96
49) 1,2-DIBROMOETHANE	4.745	107	24592	0.475	PPBV		99
50) TETRACHLOROETHENE	4.944	166	21644	0.528	PPBV		99
51) CHLOROBENZENE	5.223	112	36605	0.521	PPBV	#	81
52) ETHYLBENZENE	5.391	91	56438	0.484	PPBV		97
53) M/P-XYLENE	5.467	91	97342	1.029	PPBV		99
54) BROMOFORM	5.472	173	24229	0.548	PPBV		97
55) STYRENE	5.619	104	32111	0.508	PPBV		96
56) O-XYLENE	5.663	91	47820	0.528	PPBV		99
57) 1,1,2,2-TETRACHLOROETHANE	5.657	83	35897	0.573	PPBV		99
59) 4-ETHYLTOLUENE	6.240	105	60836	0.509	PPBV		98
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	51327	0.524	PPBV		100
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	49496	0.518	PPBV	#	97
62) 1,3-DICHLOROBENZENE	6.539	146	29170	0.537	PPBV		99
63) BENZYL CHLORIDE	6.539	91	28387	0.541	PPBV		99
64) 1,4-DICHLOROBENZENE	6.576	146	26818	0.538	PPBV		95
65) 1,2-DICHLOROBENZENE	6.749	146	30498	0.599	PPBV		98
66) 1,2,4-TRICHLOROBENZENE	7.749	180	15094	0.786	PPBV		93
67) NAPHTHALENE	7.806	128	40182	0.854	PPBv		98
68) HEXACHLOROBUTADIENE	8.058	225	23813	0.842	PPBV		98
70] VINYL CHLORIDE (SIM)	1.633	62	14634	0.528	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	24395	0.531	PPBV		100
72] TRANS-1,2-DICHLOROETHE...	2.499	61	24109	0.533	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.564	63	29497	0.537	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	19845	0.517	PPBV		99
75] CHLOROFORM (SIM)	2.917	83	30696	0.524	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.158	62	20183	0.533	PPBV		99
78] CARBON TETRACHLORIDE (...	3.460	117	31023	0.537	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	15006	0.520	PPBV		100
80] BROMODICHLOROMETHANE (...	3.769	83	33244	0.539	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	19473	0.535	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.118	75	22323	0.518	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.323	75	20277	0.532	PPBV		100
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	17428	0.516	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	27103	0.466	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	37758	0.570	PPBV		100
89] NAPHTHALENE (SIM)	7.804	128	40343	0.798	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214012.D Vial: 3
Acq On : 02 Aug 2023 08:01 pm Operator: CMR
Sample : 0.50PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:46 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214012.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

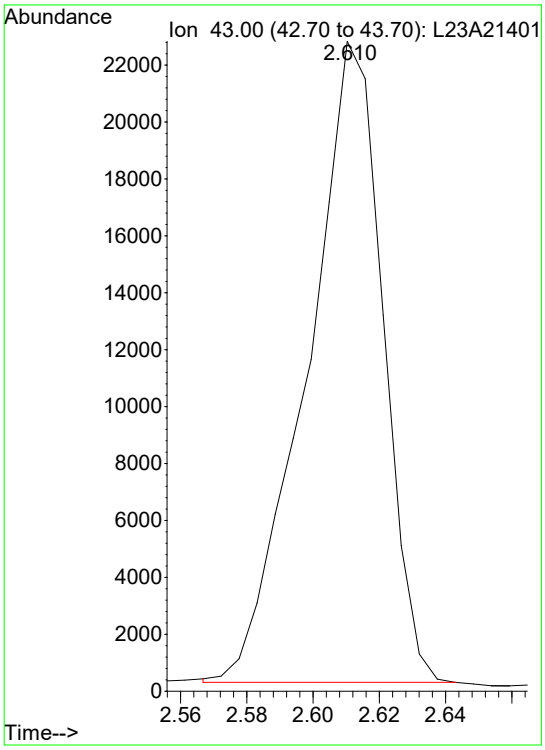




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214012.D
Acq On : 02 Aug 2023 08:01 pm
Operator : CMR
Sample : 0.50PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 10:02:52 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

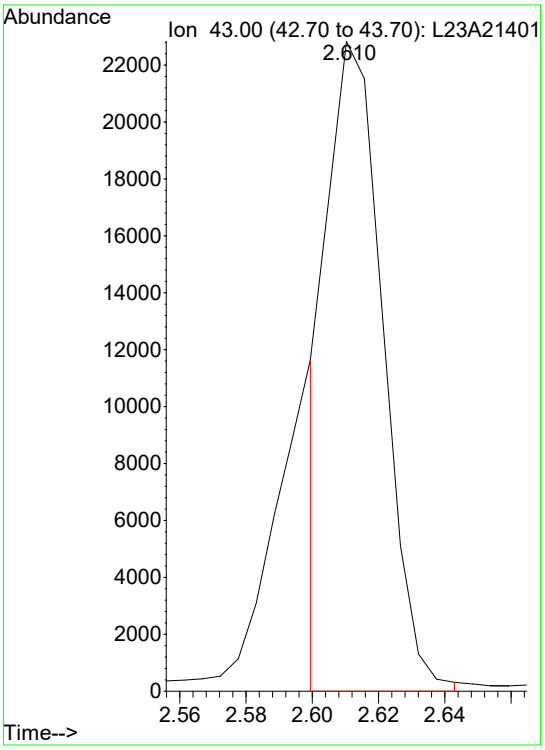
RT : 2.61
Area : 35583
Amount: 0.625004

Manual Int. Results

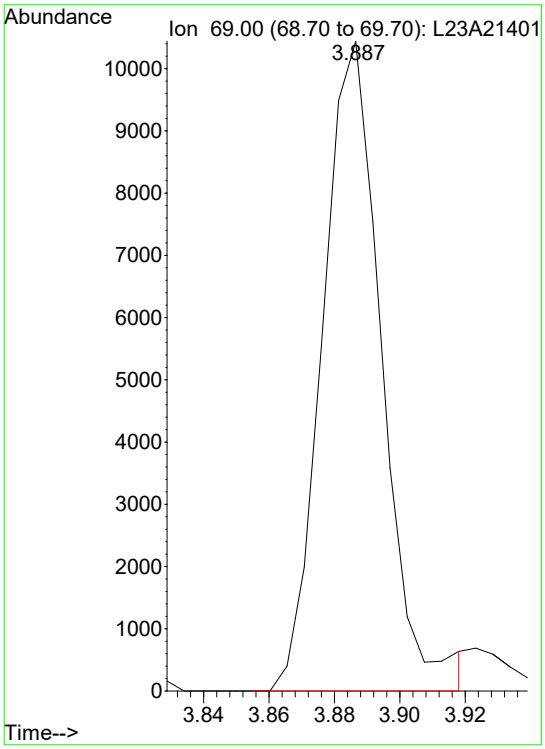
Thu Aug 03 10:02:25 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 26726
Amount: 0.469434

Manual Integration
VINYL ACETATE



Original Integration
METHYLMETHACRYLATE



Original Int. Results

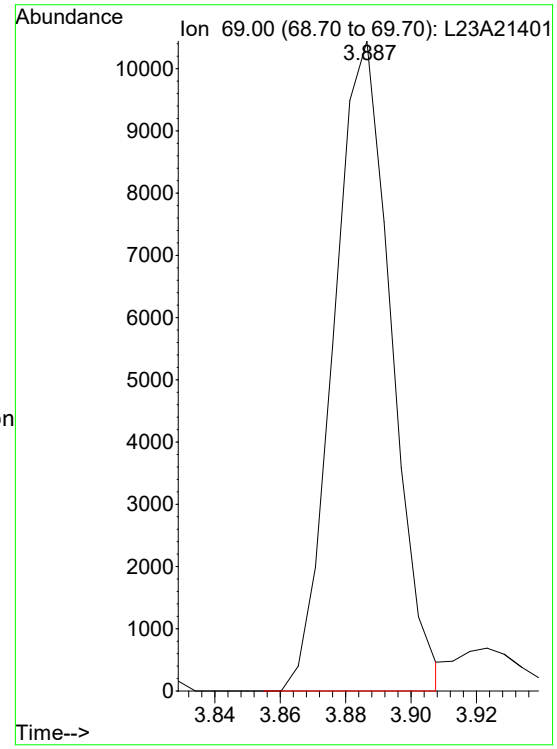
RT : 3.89
Area : 13148
Amount: 0.485316

Manual Int. Results

Thu Aug 03 10:02:52 2023

MIuser: CMR
Reason: Incorret Integration
RT : 3.89
Area : 12799
Amount: 0.472434

Manual Integration
METHYLMETHACRYLATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214013.D Vial: 3
Acq On : 02 Aug 2023 08:30 pm Operator: CMR
Sample : 1.0PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:49 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214013.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	310325	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.539	114	883007	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	823003	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	345691	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	915905	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	908219	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.857	174	457487	8.246	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 103.13%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	468116	8.073	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	15045	0.996	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.535	85	69296	1.106	PPBV	99
4) CHLOROMETHANE	1.572	50	23607	0.998	PPBV	99
5) FREON 114	1.598	85	70369	1.116	PPBV	97
6) VINYL CHLORIDE	1.630	62	26980	1.027	PPBV	99
7) 1,3-BUTADIENE	1.666	54	22189	1.139	PPBV	95
8) BROMOMETHANE	1.735	94	25524	1.135	PPBV	93
9) CHLOROETHANE	1.777	64	15538	1.089	PPBV	93
10) ACROLEIN	1.903	56	12162	1.016	PPBV	99
11) ACETONE	1.939	43	51272	1.152	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	71356	1.103	PPBV	100
13) ETHANOL	1.808	45	7682	0.899	PPBV	98
14) 1,1-DICHLOROETHENE	2.170	61	45064	1.055	PPBV	99
15) METHYLENE CHLORIDE	2.208	49	32262	1.042	PPBV	93
16) FREON 113	2.295	101	57419	1.105	PPBV	98
17) CARBON DISULFIDE	2.301	76	80871	1.074	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.496	61	43909	1.077	PPBV	98
19) 1,1-DICHLOROETHANE	2.556	63	53964	1.083	PPBV	98
20) MTBE	2.589	73	82025	1.008	PPBV	98
21) IPA	2.013	45	45936	1.019	PPBV	94
22) 2-BUTANONE(MEK)	2.687	43	48410	0.993	PPBV	99
23) CIS-1,2-DICHLOROETHENE	2.817	61	35463	1.027	PPBV	97
24) VINYL ACETATE	2.610	43	59135m	1.070	PPBV	
25) HEXANE	2.898	41	28057	1.010	PPBV	97
26) ETHYL ACETATE	2.904	45	8913	0.962	PPBV	88
27) CHLOROFORM	2.915	83	57329	1.054	PPBV	98
28) TETRAHYDROFURAN	3.056	42	33609	0.897	PPBV	94
29) 1,2-DICHLOROETHANE	3.156	62	38846	1.092	PPBV	96
31) 1,1,1-TRICHLOROETHANE	3.245	97	55416	1.046	PPBV	99
32) BENZENE	3.403	78	76311	0.965	PPBV	98
33) CARBON TETRACHLORIDE	3.458	117	57685	1.076	PPBV	99
34) CYCLOHEXANE	3.507	84	31435	0.987	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	27724	1.004	PPBV	96
36) BROMODICHLOROMETHANE	3.766	83	62526	1.112	PPBV	99
37) TRICHLOROETHENE	3.787	95	35984	1.023	PPBV	98
38) 1,4-DIOXANE	3.813	88	17903	0.941	PPBV	97
39) METHYLMETHACRYLATE	3.882	69	25905	0.967	PPBV	98
40) HEPTANE	3.924	57	22840	0.655	PPBV	96
41) MIBK	4.153	58	25958	0.941	PPBV	96
42) CIS-1,3-DICHLOROPROPENE	4.116	75	43337	1.042	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214013.D Vial: 3
Acq On : 02 Aug 2023 08:30 pm Operator: CMR
Sample : 1.0PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:49 2023

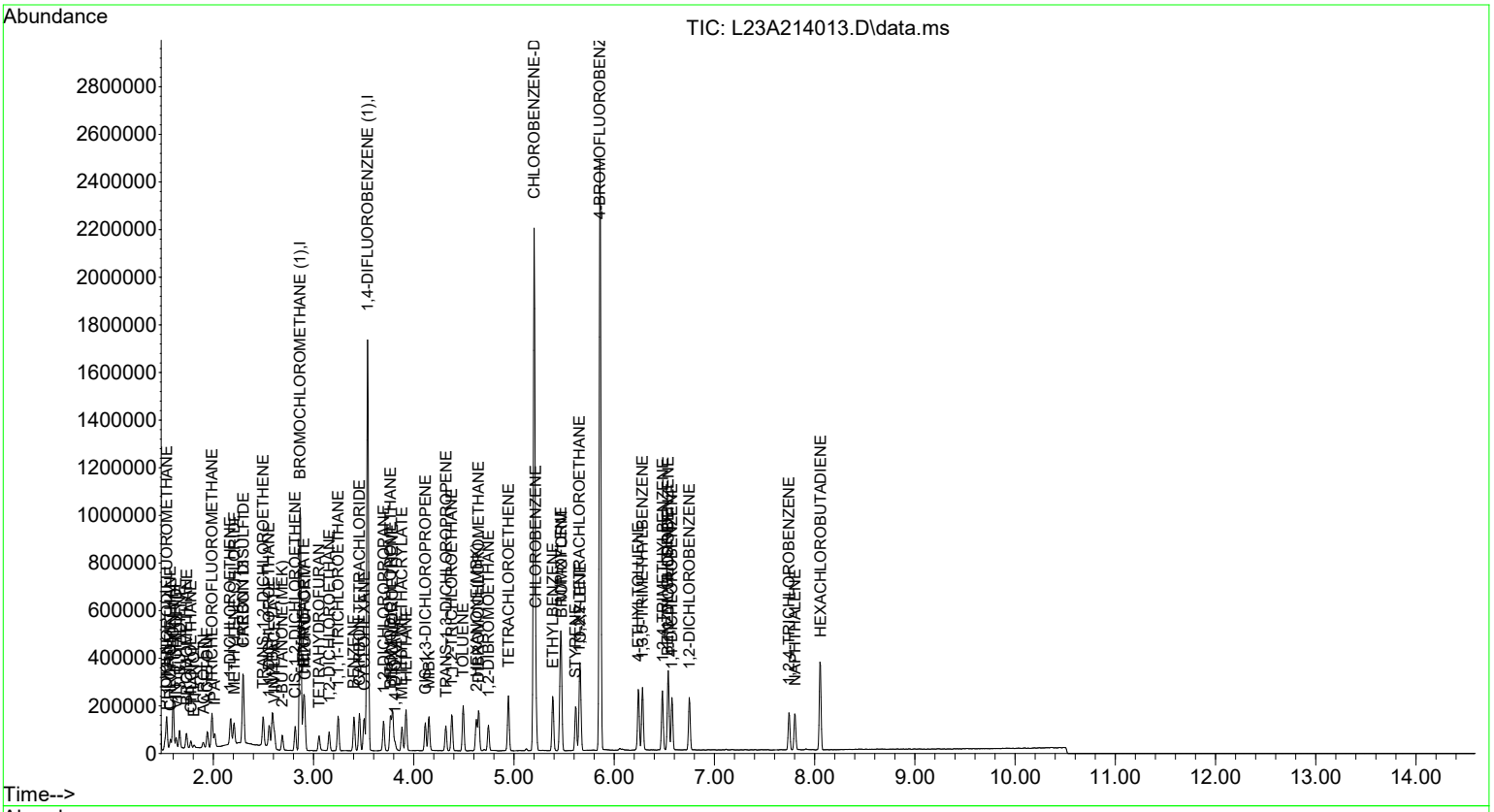
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214013.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

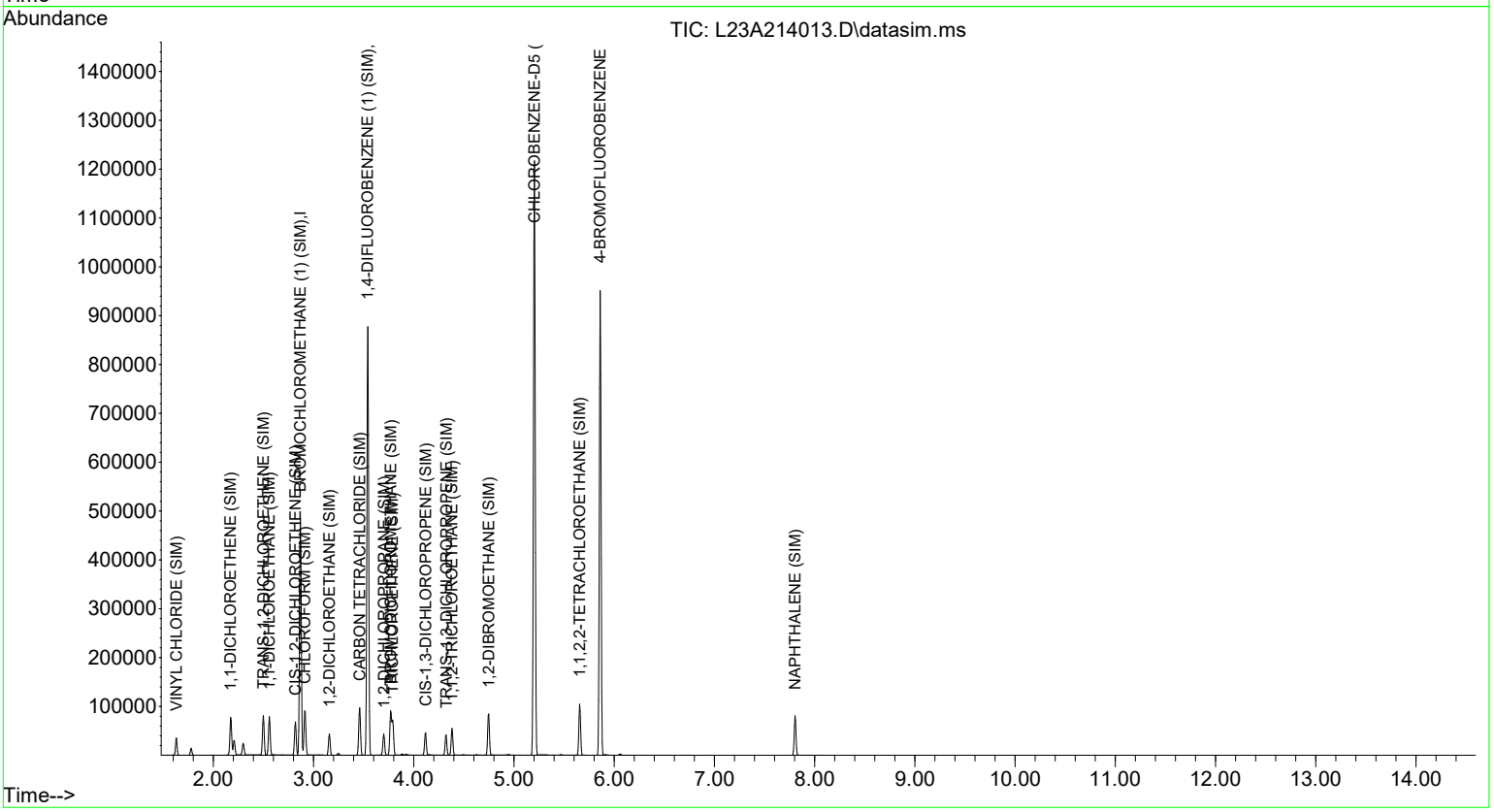
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	36822	1.005	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.378	97	31917	1.075	PPBV	98
46) TOLUENE	4.494	91	92331	0.980	PPBV	99
47) 2-HEXANONE(MBK)	4.625	43	61020	0.953	PPBV	98
48) DIBROMOCHLOROMETHANE	4.646	129	56975	1.052	PPBV	95
49) 1,2-DIBROMOETHANE	4.746	107	48816	0.954	PPBV	99
50) TETRACHLOROETHENE	4.945	166	43664	1.079	PPBV	98
51) CHLOROBENZENE	5.218	112	72129	1.040	PPBV	92
52) ETHYLBENZENE	5.386	91	120001	1.042	PPBV	99
53) M/P-XYLENE	5.468	91	199670	2.138	PPBV	99
54) BROMOFORM	5.473	173	48868	1.120	PPBV	98
55) STYRENE	5.614	104	69017	1.104	PPBV	99
56) O-XYLENE	5.663	91	95968	1.072	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	70014	1.131	PPBV	97
59) 4-ETHYLTOLUENE	6.240	105	123477	1.045	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	105544	1.092	PPBV	100
61) 1,2,4-TRIMETHYLBENZENE	6.482	105	104198	1.104	PPBV	99
62) 1,3-DICHLOROBENZENE	6.539	146	68293	1.272	PPBV	99
63) BENZYL CHLORIDE	6.534	91	61319	1.184	PPBV	98
64) 1,4-DICHLOROBENZENE	6.576	146	61148	1.243	PPBV	99
65) 1,2-DICHLOROBENZENE	6.749	146	62996	1.252	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.744	180	34060	1.795	PPBV	97
67) NAPHTHALENE	7.801	128	90048	1.937	PPBv	99
68) HEXACHLOROBUTADIENE	8.058	225	47811	1.711	PPBV	100
70] VINYL CHLORIDE (SIM)	1.633	62	29148	1.076	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	48845	1.087	PPBV	99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	47900	1.082	PPBV	100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	58359	1.087	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	39466	1.051	PPBV	100
75] CHLOROFORM (SIM)	2.912	83	61532	1.074	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	39900	1.077	PPBV	99
78] CARBON TETRACHLORIDE (...	3.461	117	61615	1.090	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	29869	1.058	PPBV	100
80] BROMODICHLOROMETHANE (...	3.769	83	66484	1.102	PPBV	100
81] TRICHLOROETHENE (SIM)	3.790	95	38818	1.090	PPBV	100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	44963	1.067	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.324	75	39994	1.073	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	35241	1.067	PPBV	100
86] 1,2-DIBROMOETHANE (SIM)	4.748	107	52947	0.930	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	76381	1.178	PPBV	99
89] NAPHTHALENE (SIM)	7.804	128	89354	1.807	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214013.D Vial: 3
Acq On : 02 Aug 2023 08:30 pm Operator: CMR
Sample : 1.0PPBV STD Inst : SYSL
Misc : CTWS-4087-2465 08/25 Multiplr: 1.00
Quant Time: Aug 03 09:36:49 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214013.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

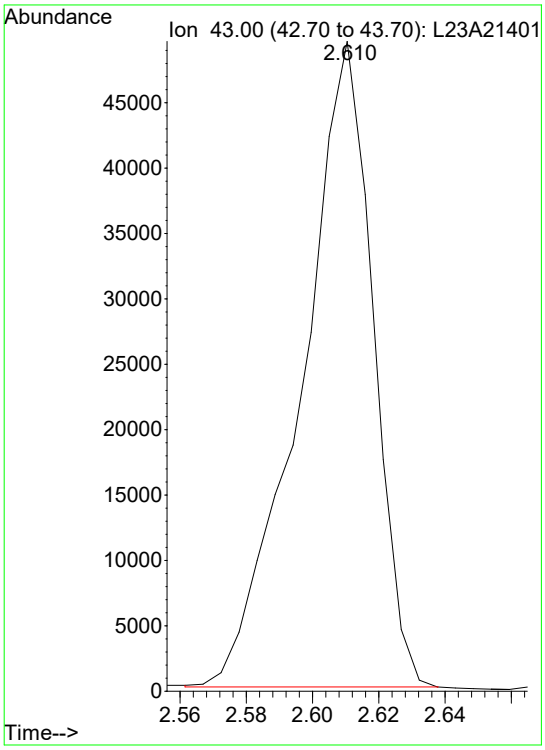




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214013.D
Acq On : 02 Aug 2023 08:30 pm
Operator : CMR
Sample : 1.0PPBV STD
Misc : CTWS-4087-2465 08/25

Quant Time : Thu Aug 03 09:59:57 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

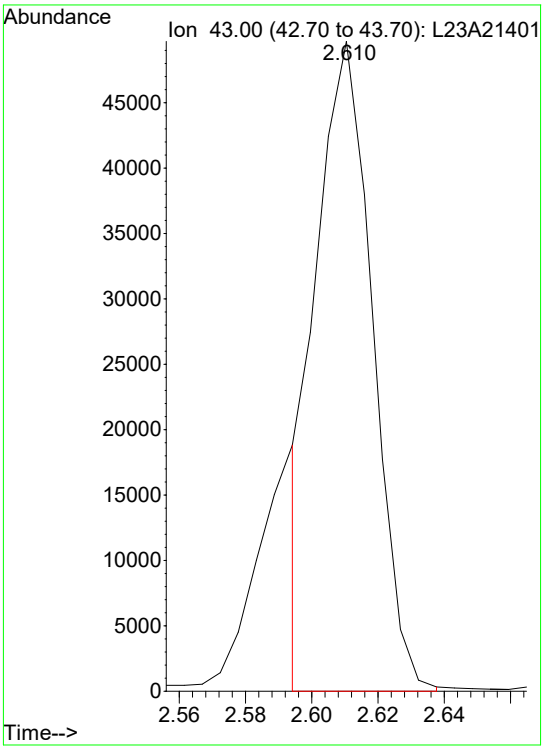
RT : 2.61
Area : 74064
Amount: 1.33987

Manual Int. Results

Thu Aug 03 09:59:56 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 59135
Amount: 1.0698

Manual Integration
VINYL ACETATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214014.D Vial: 4
Acq On : 02 Aug 2023 08:55 pm Operator: CMR
Sample : 2.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:52 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214014.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	311321	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	873907	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.201	117	818006	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	344732	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.542	114	922082	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.204	117	912150	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.863	174	460845	8.358	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 104.50%			
88) 4-BROMOFLUOROBENZENE (...	5.860	174	471189	8.091	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.13%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	28974	1.912	PPBV	93
3) DICHLORODIFLUOROMETHANE	1.535	85	135376	2.153	PPBV	100
4) CHLOROMETHANE	1.572	50	44620	1.881	PPBV	97
5) FREON 114	1.598	85	134229	2.122	PPBV	99
6) VINYL CHLORIDE	1.630	62	53135	2.016	PPBV	100
7) 1,3-BUTADIENE	1.661	54	41168	2.106	PPBV	98
8) BROMOMETHANE	1.729	94	48053	2.130	PPBV	96
9) CHLOROETHANE	1.777	64	27933	1.951	PPBV	99
10) ACROLEIN	1.897	56	22290	1.857	PPBV	96
11) ACETONE	1.939	43	82962	1.858	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	136566	2.104	PPBV	99
13) ETHANOL	1.808	45	12991	1.516	PPBV	95
14) 1,1-DICHLOROETHENE	2.170	61	85231	1.989	PPBV	97
15) METHYLENE CHLORIDE	2.208	49	65092	2.096	PPBV	99
16) FREON 113	2.295	101	106921	2.050	PPBV	98
17) CARBON DISULFIDE	2.301	76	148766	1.970	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.496	61	84607	2.069	PPBV	98
19) 1,1-DICHLOROETHANE	2.556	63	104591	2.092	PPBV	98
20) MTBE	2.589	73	158623	1.943	PPBV	99
21) IPA	2.013	45	89747	1.984	PPBV	96
22) 2-BUTANONE(MEK)	2.687	43	94228	1.926	PPBV	99
23) CIS-1,2-DICHLOROETHENE	2.817	61	67748	1.956	PPBV	96
24) VINYL ACETATE	2.611	43	113062m	2.039	PPBV	
25) HEXANE	2.899	41	54978	1.973	PPBV	98
26) ETHYL ACETATE	2.904	45	15407	1.657	PPBV	95
27) CHLOROFORM	2.915	83	107549	1.972	PPBV	99
28) TETRAHYDROFURAN	3.056	42	70547	1.876	PPBV	96
29) 1,2-DICHLOROETHANE	3.156	62	71649	2.008	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	106148	2.025	PPBV	99
32) BENZENE	3.404	78	147152	1.879	PPBV	99
33) CARBON TETRACHLORIDE	3.458	117	107396	2.025	PPBV	97
34) CYCLOHEXANE	3.507	84	61936	1.965	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	55364	2.026	PPBV	98
36) BROMODICHLOROMETHANE	3.766	83	117794	2.118	PPBV	100
37) TRICHLOROETHENE	3.787	95	67800	1.948	PPBV	98
38) 1,4-DIOXANE	3.808	88	37330	1.982	PPBV	97
39) METHYLMETHACRYLATE	3.882	69	51536	1.944	PPBV	99
40) HEPTANE	3.924	57	45828	1.327	PPBV	94
41) MIBK	4.153	58	51463	1.885	PPBV	98
42) CIS-1,3-DICHLOROPROPENE	4.116	75	80364	1.953	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214014.D Vial: 4
Acq On : 02 Aug 2023 08:55 pm Operator: CMR
Sample : 2.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:52 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214014.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

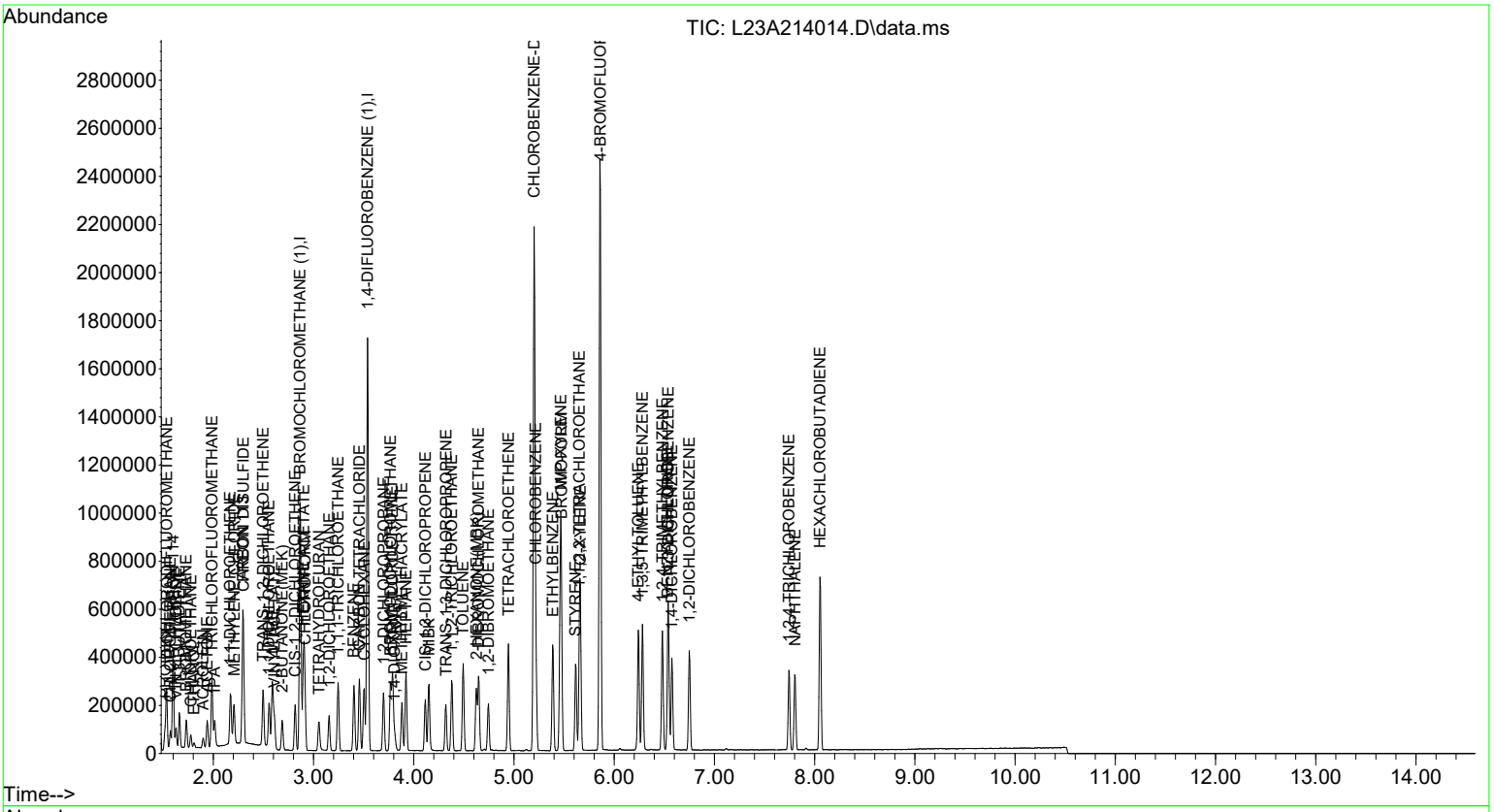
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	71556	1.974	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.378	97	62829	2.129	PPBV		97
46) TOLUENE	4.494	91	175936	1.878	PPBV		100
47) 2-HEXANONE(MBK)	4.625	43	118610	1.863	PPBV		98
48) DIBROMOCHLOROMETHANE	4.646	129	106254	1.974	PPBV		99
49) 1,2-DIBROMOETHANE	4.746	107	90863	1.787	PPBV		99
50) TETRACHLOROETHENE	4.945	166	81962	2.037	PPBV		99
51) CHLOROBENZENE	5.217	112	137230	1.990	PPBV		96
52) ETHYLBENZENE	5.386	91	233180	2.038	PPBV		99
53) M/P-XYLENE	5.467	91	385909	4.157	PPBV		100
54) BROMOFORM	5.473	173	91707	2.114	PPBV		99
55) STYRENE	5.614	104	132938	2.140	PPBV		100
56) O-XYLENE	5.663	91	183287	2.060	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.652	83	134618	2.189	PPBV		98
59) 4-ETHYLTOLUENE	6.240	105	244052	2.079	PPBV		99
60) 1,3,5-TRIMETHYLBENZENE	6.282	105	208961	2.174	PPBV		98
61) 1,2,4-TRIMETHYLBENZENE	6.481	105	205499	2.191	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.539	146	123623	2.316	PPBV		99
63) BENZYL CHLORIDE	6.534	91	120429	2.339	PPBV		98
64) 1,4-DICHLOROBENZENE	6.576	146	108013	2.209	PPBV		97
65) 1,2-DICHLOROBENZENE	6.749	146	117004	2.340	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.744	180	71681	3.800	PPBV		96
67) NAPHTHALENE	7.801	128	183638	3.975	PPBv		99
68) HEXACHLOROBUTADIENE	8.053	225	93479	3.366	PPBV		100
70] VINYL CHLORIDE (SIM)	1.627	62	56213	2.080	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	93912	2.095	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	91364	2.070	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	112716	2.106	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	75511	2.017	PPBV		100
75] CHLOROFORM (SIM)	2.912	83	117622	2.059	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	76207	2.064	PPBV		99
78] CARBON TETRACHLORIDE (...	3.461	117	119459	2.100	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	57587	2.026	PPBV		100
80] BROMODICHLOROMETHANE (...	3.769	83	127676	2.103	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	73422	2.048	PPBV		99
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	85368	2.012	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.324	75	73992	1.971	PPBV		100
85] 1,1,2-TRICHLOROETHANE ...	4.381	97	66889	2.016	PPBV		100
86] 1,2-DIBROMOETHANE (SIM)	4.749	107	97449	1.705	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.655	83	144802	2.224	PPBV		99
89] NAPHTHALENE (SIM)	7.804	128	184082	3.707	PPBV		100

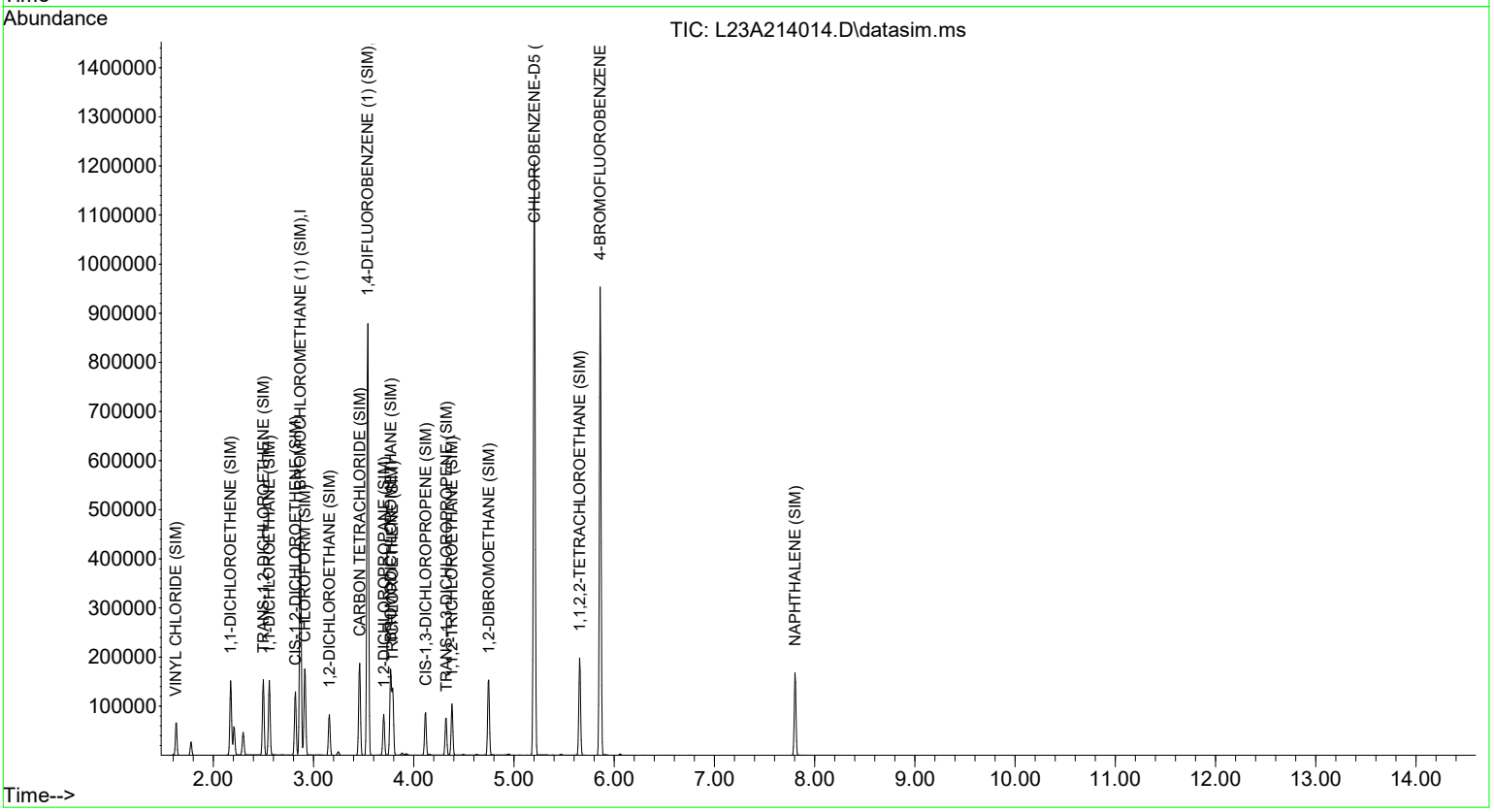
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214014.D Vial: 4
Acq On : 02 Aug 2023 08:55 pm Operator: CMR
Sample : 2.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:52 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214014.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

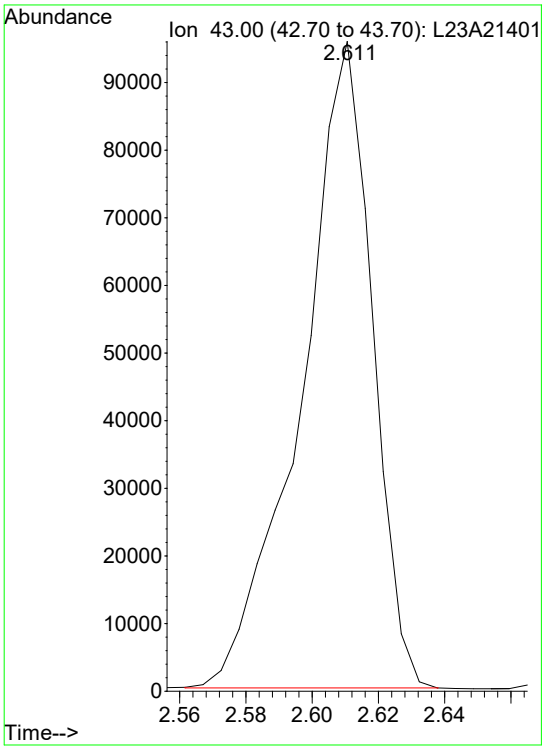




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214014.D
Acq On : 02 Aug 2023 08:55 pm
Operator : CMR
Sample : 2.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 09:57:03 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

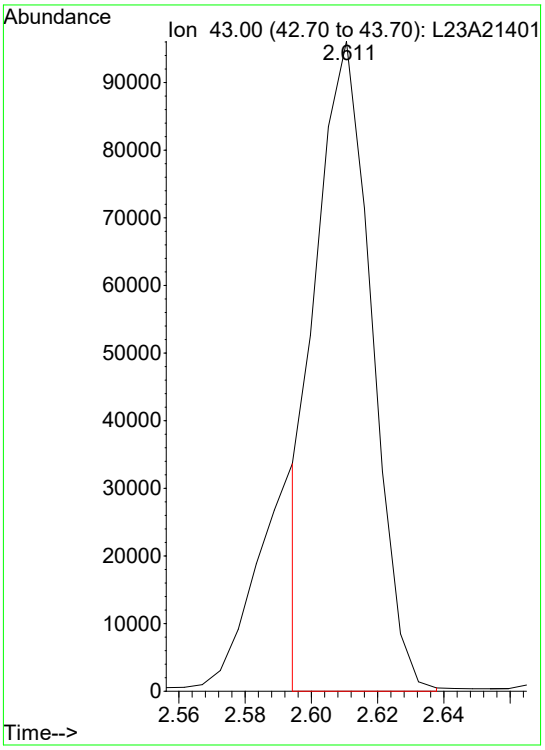
RT : 2.61
Area : 140987
Amount: 2.5424

Manual Int. Results

Thu Aug 03 09:57:03 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 113062
Amount: 2.03883

Manual Integration
VINYL ACETATE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214015.D Vial: 4
Acq On : 02 Aug 2023 09:21 pm Operator: CMR
Sample : 5.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:55 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214015.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.871	49	314027	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	895773	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.202	117	837397	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	346621	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	942388	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.205	117	924670	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.858	174	479371	8.492	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 106.13%			
88) 4-BROMOFLUOROBENZENE (...	5.861	174	484995	8.215	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 102.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	72418	4.737	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	359048	5.662	PPBV	100
4) CHLOROMETHANE	1.572	50	123495	5.160	PPBV	98
5) FREON 114	1.598	85	356154	5.583	PPBV	99
6) VINYL CHLORIDE	1.630	62	142674	5.368	PPBV	99
7) 1,3-BUTADIENE	1.666	54	106876	5.420	PPBV	100
8) BROMOMETHANE	1.735	94	123093	5.410	PPBV	99
9) CHLOROETHANE	1.777	64	73859	5.113	PPBV	99
10) ACROLEIN	1.903	56	57111	4.717	PPBV	99
11) ACETONE	1.939	43	211492	4.695	PPBV	100
12) TRICHLOROFLUOROMETHANE	1.987	101	361610	5.523	PPBV	100
13) ETHANOL	1.808	45	33512	3.876	PPBV	99
14) 1,1-DICHLOROETHENE	2.176	61	225584	5.219	PPBV	100
15) METHYLENE CHLORIDE	2.208	49	168593	5.382	PPBV	99
16) FREON 113	2.301	101	284261	5.404	PPBV	99
17) CARBON DISULFIDE	2.301	76	398636	5.233	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.502	61	224233	5.435	PPBV	99
19) 1,1-DICHLOROETHANE	2.562	63	271123	5.376	PPBV	97
20) MTBE	2.589	73	413173	5.018	PPBV	98
21) IPA	2.013	45	239171	5.241	PPBV	100
22) 2-BUTANONE(MEK)	2.687	43	249004	5.046	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.817	61	181174	5.185	PPBV	97
24) VINYL ACETATE	2.611	43	283760m	5.073	PPBV	
25) HEXANE	2.899	41	142920	5.086	PPBV	99
26) ETHYL ACETATE	2.904	45	43629	4.651	PPBV	97
27) CHLOROFORM	2.915	83	288740	5.248	PPBV	99
28) TETRAHYDROFURAN	3.051	42	171441	4.519	PPBV	96
29) 1,2-DICHLOROETHANE	3.156	62	192843	5.358	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	284456	5.294	PPBV	99
32) BENZENE	3.404	78	398357	4.963	PPBV	99
33) CARBON TETRACHLORIDE	3.458	117	291920	5.369	PPBV	99
34) CYCLOHEXANE	3.507	84	165467	5.122	PPBV	98
35) 1,2-DICHLOROPROPANE	3.698	63	147407	5.262	PPBV	98
36) BROMODICHLOROMETHANE	3.772	83	320215	5.616	PPBV	99
37) TRICHLOROETHENE	3.788	95	183191	5.135	PPBV	97
38) 1,4-DIOXANE	3.803	88	97174	5.033	PPBV	99
39) METHYLMETHACRYLATE	3.882	69	139241	5.125	PPBV	98
40) HEPTANE	3.924	57	124079	3.505	PPBV	94
41) MIBK	4.148	58	136902	4.891	PPBV	98
42) CIS-1,3-DICHLOROPROPENE	4.116	75	222947	5.287	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214015.D Vial: 4 579
Acq On : 02 Aug 2023 09:21 pm Operator: CMR
Sample : 5.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:55 2023

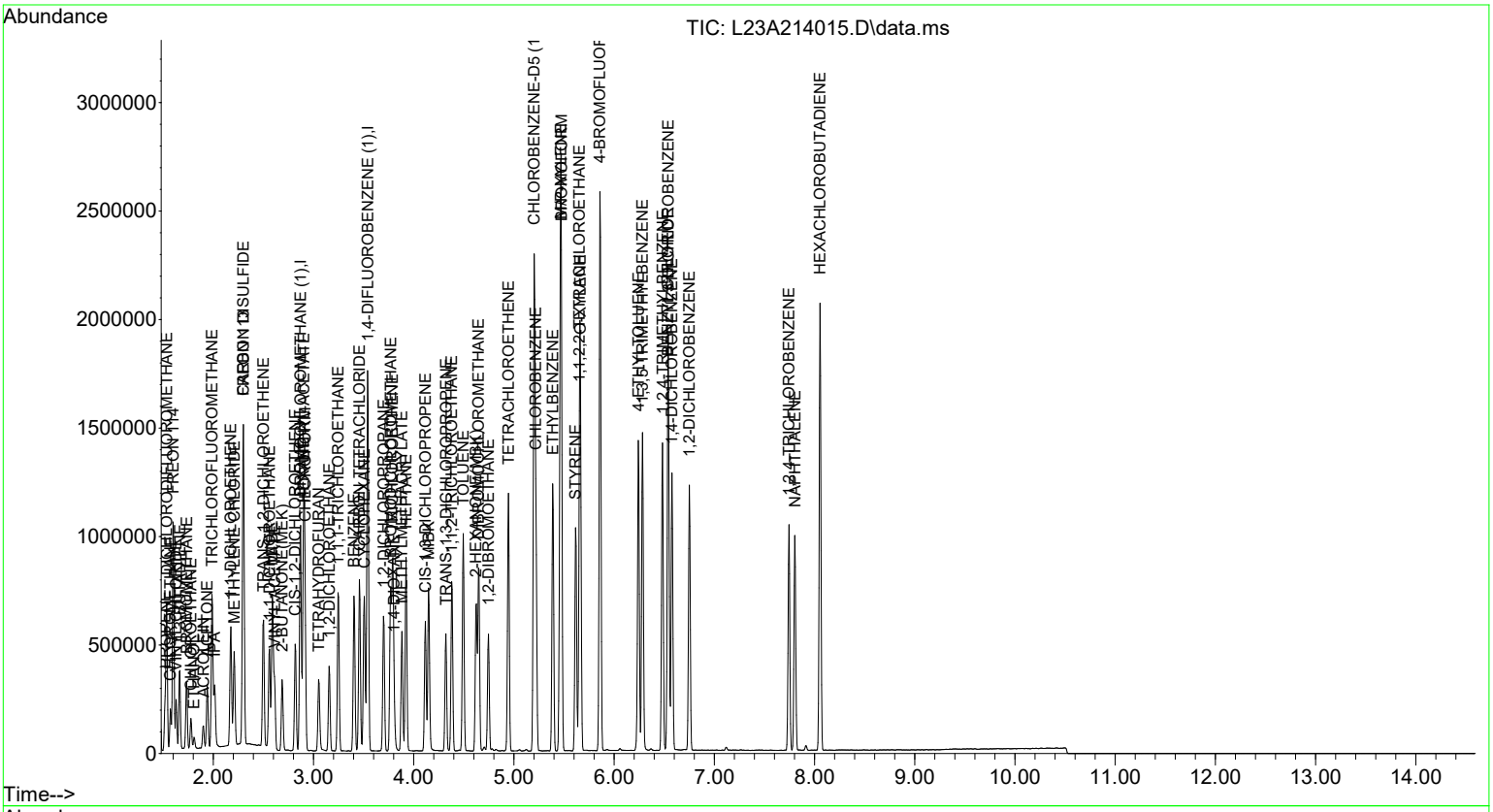
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214015.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

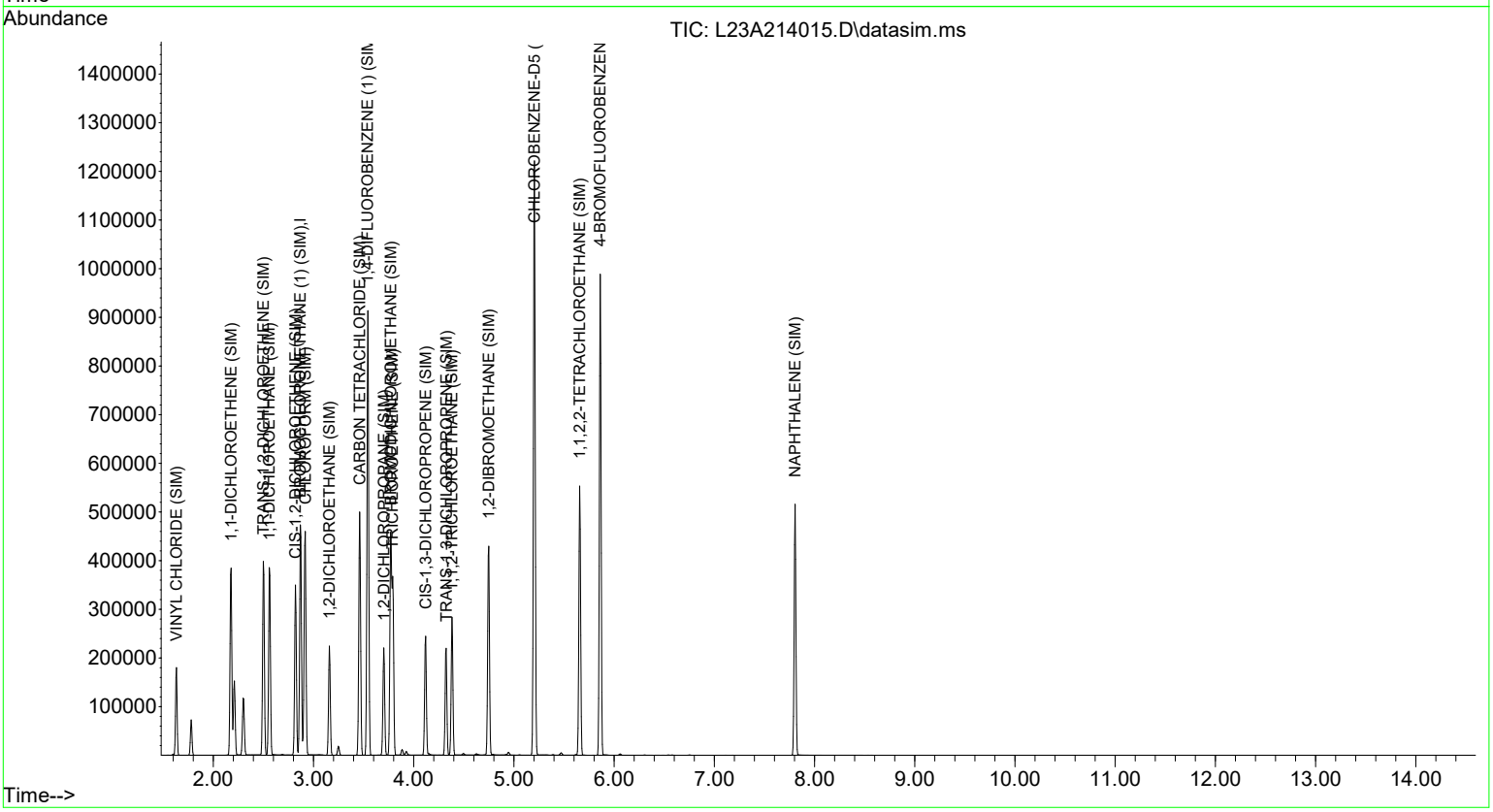
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	198784	5.351	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.379	97	165869	5.490	PPBV		100
46) TOLUENE	4.494	91	487270	5.082	PPBV		99
47) 2-HEXANONE(MBK)	4.620	43	324640	4.981	PPBV		99
48) DIBROMOCHLOROMETHANE	4.647	129	297325	5.395	PPBV		98
49) 1,2-DIBROMOETHANE	4.746	107	248536	4.775	PPBV		100
50) TETRACHLOROETHENE	4.946	166	219218	5.323	PPBV		100
51) CHLOROBENZENE	5.218	112	375524	5.319	PPBV		99
52) ETHYLBENZENE	5.387	91	639148	5.455	PPBV		100
53) M/P-XYLENE	5.468	91	1072129	11.281	PPBV		99
54) BROMOFORM	5.474	173	256965	5.786	PPBV		100
55) STYRENE	5.615	104	372434	5.858	PPBV		99
56) O-XYLENE	5.664	91	526602	5.781	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.653	83	371919	5.906	PPBV		98
59) 4-ETHYLTOLUENE	6.241	105	698712	5.814	PPBV		98
60) 1,3,5-TRIMETHYLBENZENE	6.283	105	592093	6.018	PPBV		99
61) 1,2,4-TRIMETHYLBENZENE	6.483	105	587674	6.120	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.540	146	380323	6.961	PPBV		98
63) BENZYL CHLORIDE	6.535	91	369362	7.009	PPBV		99
64) 1,4-DICHLOROBENZENE	6.577	146	346075	6.913	PPBV		100
65) 1,2-DICHLOROBENZENE	6.750	146	339426	6.630	PPBV		99
66) 1,2,4-TRICHLOROBENZENE	7.745	180	219018	11.341	PPBV		96
67) NAPHTHALENE	7.803	128	565859	11.966	PPBv		100
68) HEXACHLOROBUTADIENE	8.055	225	256477	9.021	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	148265	5.457	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	247255	5.487	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	242942	5.475	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	296237	5.504	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	202060	5.367	PPBV		100
75] CHLOROFORM (SIM)	2.918	83	312317	5.438	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	203500	5.481	PPBV		99
78] CARBON TETRACHLORIDE (...	3.461	117	317072	5.454	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.701	63	154836	5.330	PPBV		100
80] BROMODICHLOROMETHANE (...	3.769	83	341973	5.511	PPBV		100
81] TRICHLOROETHENE (SIM)	3.790	95	198148	5.409	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.119	75	236185	5.447	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.324	75	211717	5.519	PPBV		100
85] 1,1,2-TRICHLOROETHANE ...	4.382	97	181732	5.404	PPBV		100
86] 1,2-DIBROMOETHANE (SIM)	4.749	107	271459	4.685	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.656	83	401576	6.083	PPBV		99
89] NAPHTHALENE (SIM)	7.806	128	565467	11.233	PPBV		100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214015.D Vial: 4
Acq On : 02 Aug 2023 09:21 pm Operator: CMR
Sample : 5.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:55 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214015.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

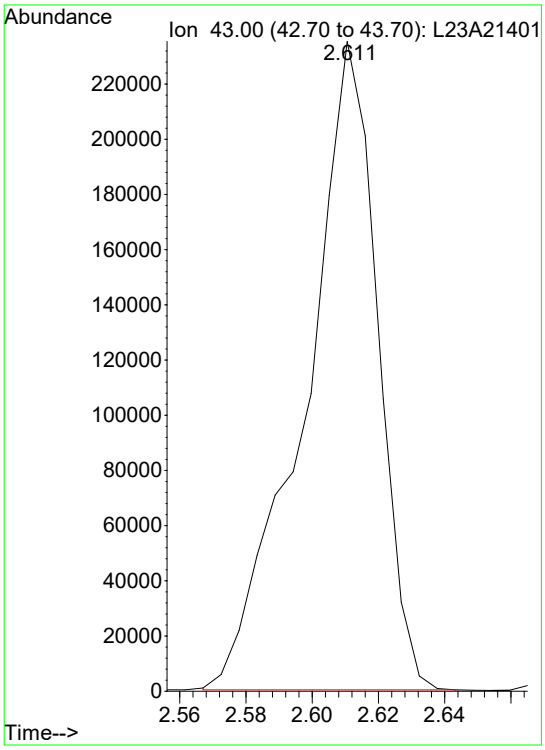




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214015.D
Acq On : 02 Aug 2023 09:21 pm
Operator : CMR
Sample : 5.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 09:41:35 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

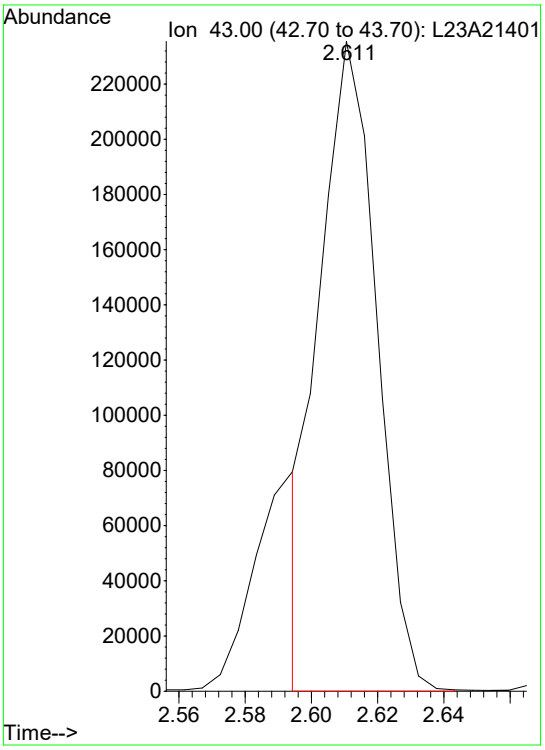
RT : 2.61
Area : 355922
Amount: 6.36298

Manual Int. Results

Thu Aug 03 09:41:35 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 283760
Amount: 5.07291

Manual Integration
VINYL ACETATE



Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214016.D Vial: 4
Acq On : 02 Aug 2023 09:48 pm Operator: CMR
Sample : 10.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:58 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214016.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.866	49	305906	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	897476	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.203	117	839818	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.869	49	342395	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	938171	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.206	117	928391	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.859	174	471389	8.327	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 104.13%			
88) 4-BROMOFLUOROBENZENE (...	5.862	174	488450	8.241	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	141215	9.483	PPBV	99
3) DICHLORODIFLUOROMETHANE	1.535	85	687328	11.126	PPBV	99
4) CHLOROMETHANE	1.572	50	231332	9.923	PPBV	98
5) FREON 114	1.598	85	685862	11.036	PPBV	99
6) VINYL CHLORIDE	1.630	62	273726	10.572	PPBV	99
7) 1,3-BUTADIENE	1.661	54	208677	10.864	PPBV	99
8) BROMOMETHANE	1.729	94	237451	10.713	PPBV	98
9) CHLOROETHANE	1.777	64	143957	10.230	PPBV	99
10) ACROLEIN	1.897	56	114799	9.733	PPBV	100
11) ACETONE	1.934	43	407836	9.294	PPBV	100
12) TRICHLOROFLUOROMETHANE	1.987	101	703770	11.035	PPBV	100
13) ETHANOL	1.803	45	66397	7.883	PPBV	100
14) 1,1-DICHLOROETHENE	2.170	61	438046	10.403	PPBV	100
15) METHYLENE CHLORIDE	2.208	49	327302	10.726	PPBV	99
16) FREON 113	2.295	101	563930	11.005	PPBV	99
17) CARBON DISULFIDE	2.295	76	776041	10.457	PPBV	100
18) TRANS-1,2-DICHLOROETHENE	2.496	61	432866	10.770	PPBV	98
19) 1,1-DICHLOROETHANE	2.556	63	532669	10.842	PPBV	99
20) MTBE	2.589	73	795599	9.920	PPBV	97
21) IPA	2.008	45	455939	10.257	PPBV	99
22) 2-BUTANONE(MEK)	2.681	43	498253	10.364	PPBV	98
23) CIS-1,2-DICHLOROETHENE	2.817	61	359395	10.559	PPBV	97
24) VINYL ACETATE	2.611	43	504634m	9.261	PPBV	
25) HEXANE	2.899	41	285937	10.445	PPBV	99
26) ETHYL ACETATE	2.904	45	88054	9.636	PPBV	96
27) CHLOROFORM	2.915	83	562787	10.500	PPBV	99
28) TETRAHYDROFURAN	3.051	42	338825	9.169	PPBV	95
29) 1,2-DICHLOROETHANE	3.156	62	377220	10.759	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	565985	10.514	PPBV	99
32) BENZENE	3.404	78	798791	9.934	PPBV	100
33) CARBON TETRACHLORIDE	3.458	117	566483	10.398	PPBV	99
34) CYCLOHEXANE	3.507	84	336742	10.404	PPBV	99
35) 1,2-DICHLOROPROPANE	3.699	63	288125	10.265	PPBV	97
36) BROMODICHLOROMETHANE	3.767	83	623686	10.917	PPBV	99
37) TRICHLOROETHENE	3.788	95	361550	10.116	PPBV	97
38) 1,4-DIOXANE	3.799	88	184233	9.524	PPBV	99
39) METHYLMETHACRYLATE	3.883	69	282793	10.388	PPBV	100
40) HEPTANE	3.925	57	254081m	7.164	PPBV	
41) MIBK	4.143	58	267334	9.534	PPBV	98
42) CIS-1,3-DICHLOROPROPENE	4.117	75	448616	10.618	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214016.D Vial: 4
Acq On : 02 Aug 2023 09:48 pm Operator: CMR
Sample : 10.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:58 2023

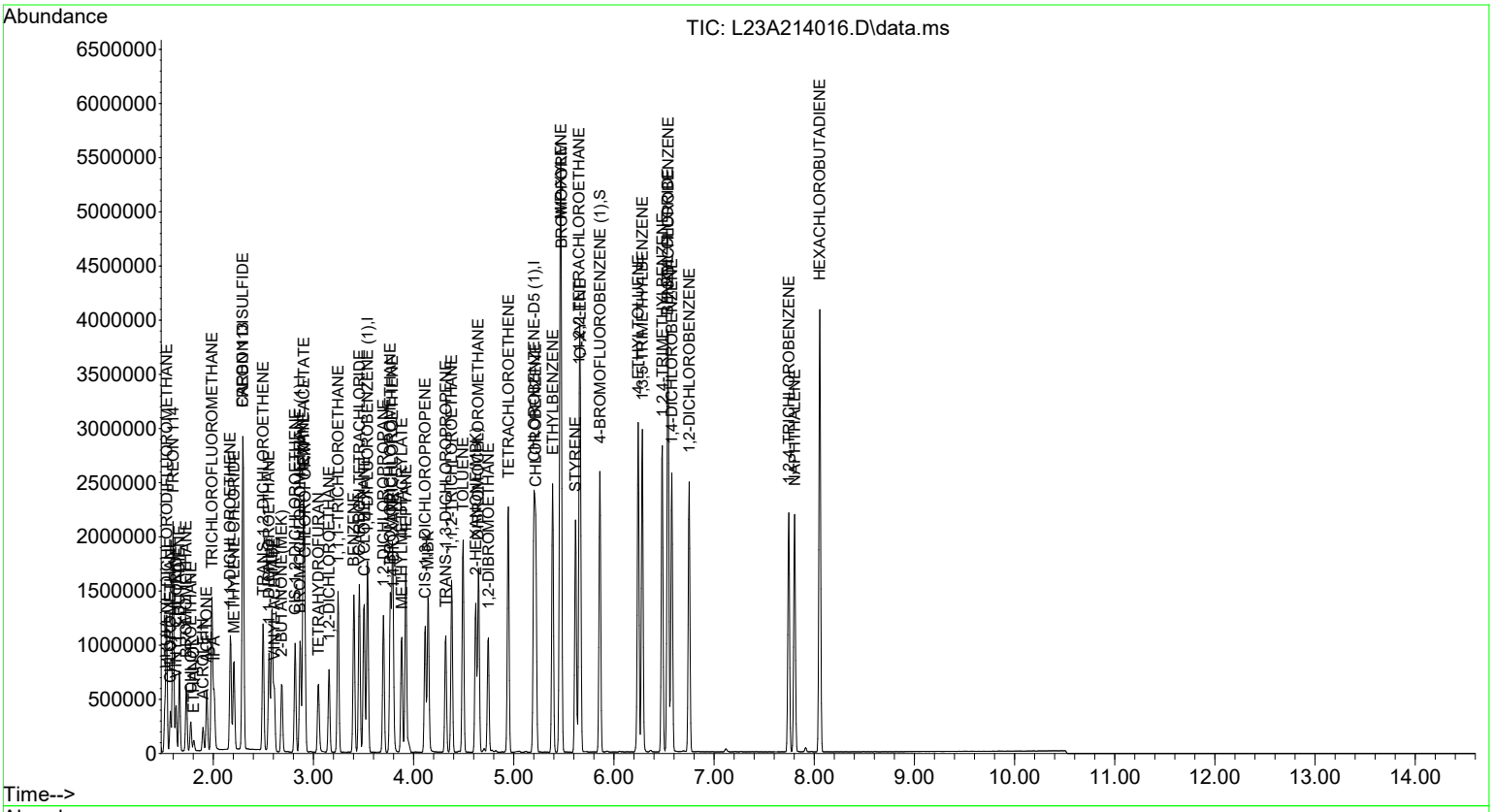
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214016.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

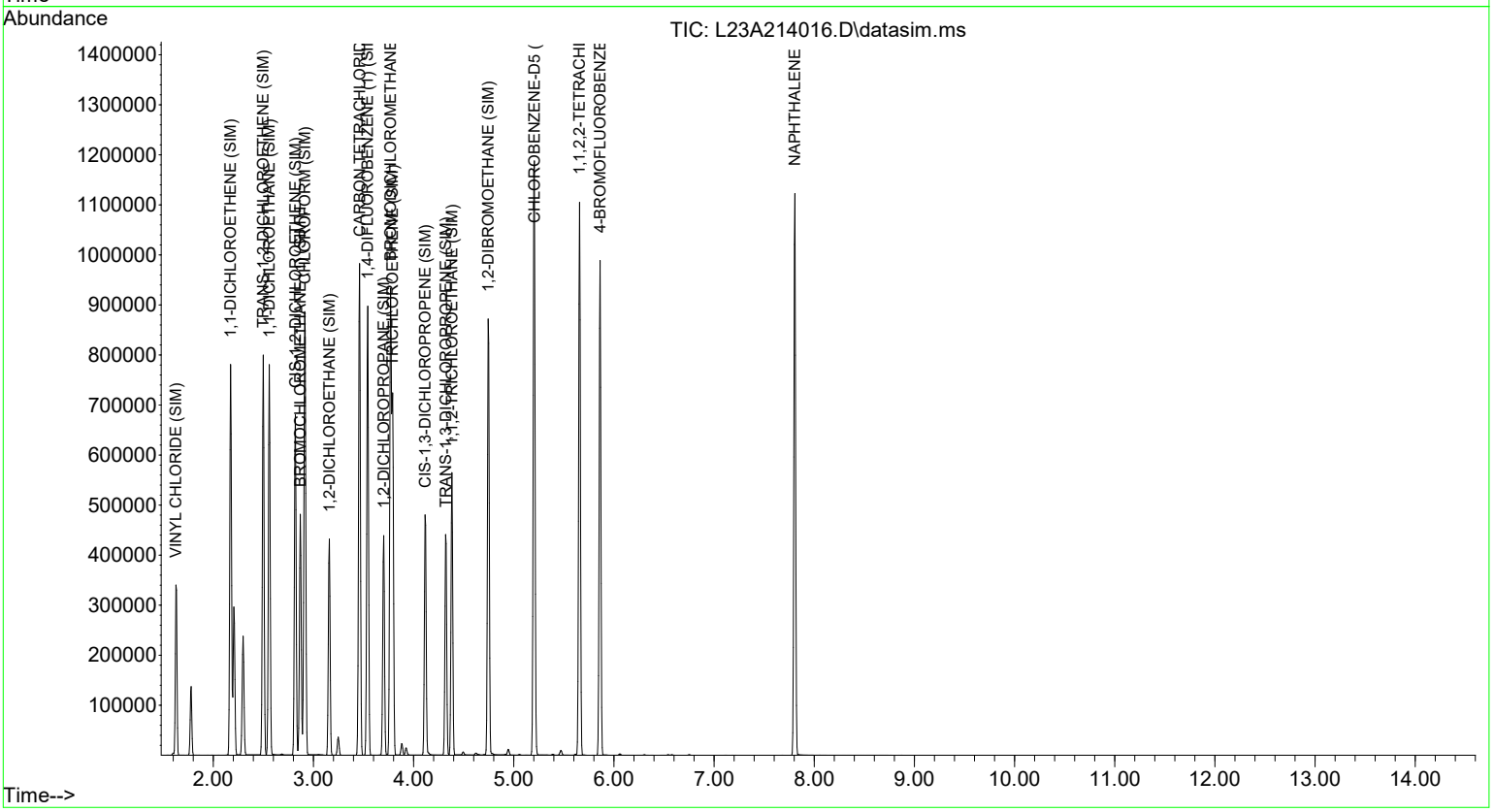
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.322	75	407396	10.945	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.380	97	331571	10.944	PPBV	99
46) TOLUENE	4.495	91	970845	10.095	PPBV	99
47) 2-HEXANONE(MBK)	4.621	43	649225	9.932	PPBV	99
48) DIBROMOCHLOROMETHANE	4.647	129	590676	10.686	PPBV	98
49) 1,2-DIBROMOETHANE	4.747	107	502526	9.626	PPBV	100
50) TETRACHLOROETHENE	4.946	166	431315	10.443	PPBV	99
51) CHLOROBENZENE	5.219	112	745065	10.523	PPBV	99
52) ETHYLBENZENE	5.388	91	1290743	10.985	PPBV	100
53) M/P-XYLENE	5.469	91	2182834	22.901	PPBV	99
54) BROMOFORM	5.475	173	530327	11.906	PPBV	99
55) STYRENE	5.616	104	756745	11.868	PPBV	98
56) O-XYLENE	5.665	91	1043758	11.425	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.654	83	748035	11.845	PPBV	97
59) 4-ETHYLTOLUENE	6.242	105	1457229	12.090	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.284	105	1218455	12.349	PPBV	100
61) 1,2,4-TRIMETHYLBENZENE	6.484	105	1203386	12.496	PPBV	99
62) 1,3-DICHLOROBENZENE	6.541	146	757022	13.816	PPBV	99
63) BENZYL CHLORIDE	6.536	91	817481	15.468	PPBV	99
64) 1,4-DICHLOROBENZENE	6.578	146	738921	14.717	PPBV	99
65) 1,2-DICHLOROBENZENE	6.751	146	716598	13.957	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.746	180	479684	24.768	PPBV	98
67) NAPHTHALENE	7.804	128	1229606	25.927	PPBv	100
68) HEXACHLOROBUTADIENE	8.056	225	523743	18.367	PPBV	100
70] VINYL CHLORIDE (SIM)	1.627	62	288634	10.754	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	483462	10.861	PPBV	99
72] TRANS-1,2-DICHLOROETHE...	2.499	61	475074	10.839	PPBV	100
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	578113	10.874	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.820	61	396546	10.664	PPBV	99
75] CHLOROFORM (SIM)	2.913	83	613637	10.815	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	397850	10.847	PPBV	99
78] CARBON TETRACHLORIDE (...	3.461	117	625233	10.803	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	301784	10.435	PPBV	100
80] BROMODICHLOROMETHANE (...	3.770	83	677475	10.968	PPBV	100
81] TRICHLOROETHENE (SIM)	3.791	95	391958	10.748	PPBV	99
82] CIS-1,3-DICHLOROPROPEN...	4.115	75	472655	10.950	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.319	75	428583	11.222	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.382	97	359910	10.660	PPBV	100
86] 1,2-DIBROMOETHANE (SIM)	4.745	107	544166	9.354	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.657	83	806085	12.162	PPBV	100
89] NAPHTHALENE (SIM)	7.807	128	1234642	24.428	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214016.D Vial: 4
Acq On : 02 Aug 2023 09:48 pm Operator: CMR
Sample : 10.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:36:58 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214016.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

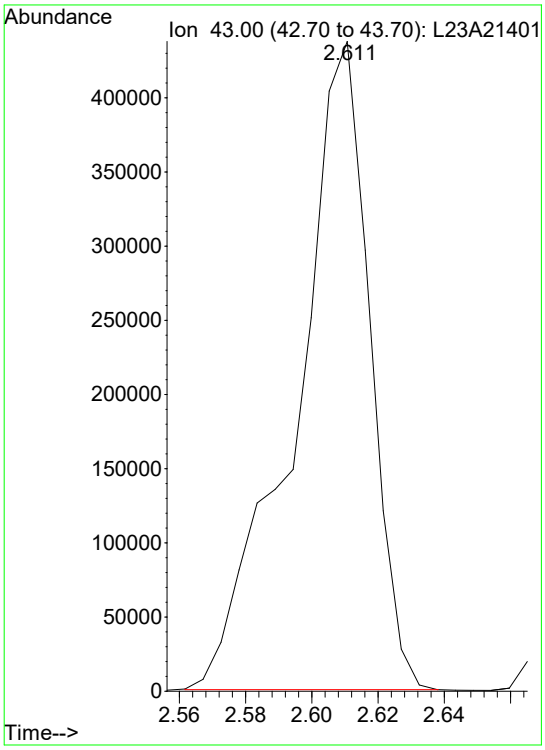




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214016.D
Acq On : 02 Aug 2023 09:48 pm
Operator : CMR
Sample : 10.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 11:35:41 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

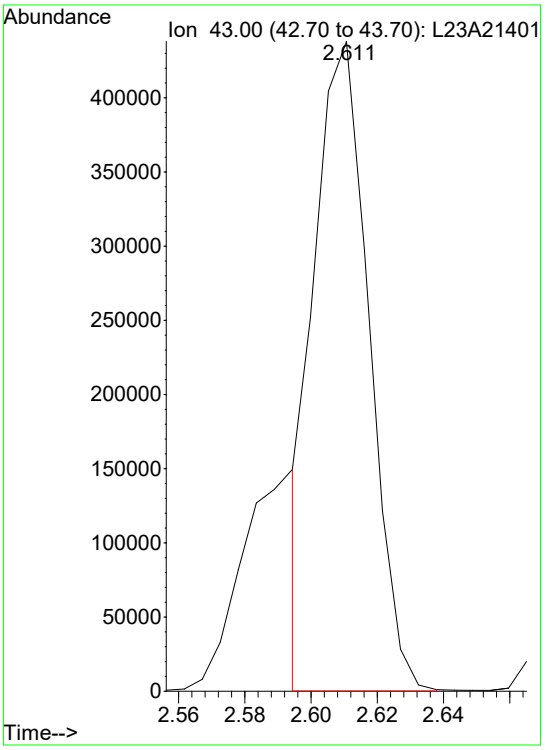
RT : 2.61
Area : 674893
Amount: 12.3857

Manual Int. Results

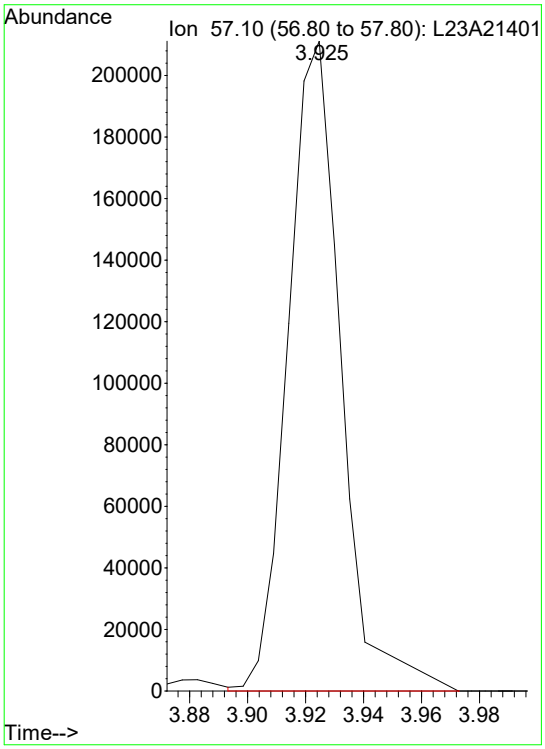
Thu Aug 03 09:43:22 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 504634
Amount: 9.26107

Manual Integration
VINYL ACETATE



Original Integration
HEPTANE



Original Int. Results

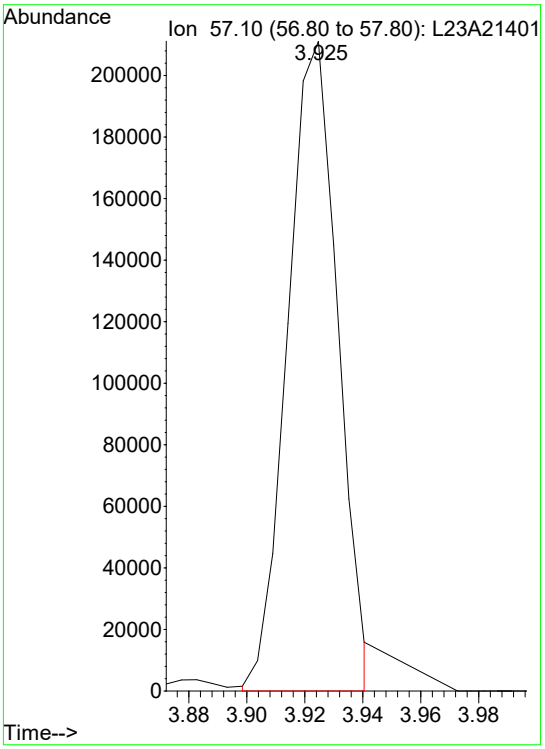
RT : 3.92
Area : 385495
Amount: 10.8693

Manual Int. Results

Thu Aug 03 11:35:41 2023

MIuser: CMR
Reason: Other
RT : 3.92
Area : 254081
Amount: 7.16399

Manual Integration
HEPTANE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214017.D Vial: 4
Acq On : 02 Aug 2023 10:17 pm Operator: CMR
Sample : 20.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:01 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214017.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.867	49	310494	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	899952	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.203	117	839064	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.870	49	337751	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	942100	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.206	117	927631	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.859	174	486185	8.596	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 107.50%			
88) 4-BROMOFLUOROBENZENE (...	5.862	174	491834	8.304	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 103.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	286089	18.928	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	1371552	21.874	PPBV	99
4) CHLOROMETHANE	1.572	50	461617	19.508	PPBV	98
5) FREON 114	1.598	85	1377233	21.833	PPBV	99
6) VINYL CHLORIDE	1.630	62	554807	21.111	PPBV	99
7) 1,3-BUTADIENE	1.661	54	418838	21.484	PPBV	99
8) BROMOMETHANE	1.729	94	474862	21.107	PPBV	98
9) CHLOROETHANE	1.777	64	285838	20.013	PPBV	100
10) ACROLEIN	1.897	56	228860	19.116	PPBV	98
11) ACETONE	1.934	43	810293	18.192	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	1400684	21.638	PPBV	100
13) ETHANOL	1.803	45	128833	15.070	PPBV	99
14) 1,1-DICHLOROETHENE	2.171	61	887938	20.777	PPBV	99
15) METHYLENE CHLORIDE	2.209	49	648156	20.926	PPBV	99
16) FREON 113	2.296	101	1113714	21.413	PPBV	98
17) CARBON DISULFIDE	2.296	76	1570549	20.851	PPBV	100
18) TRANS-1,2-DICHLOROETHENE	2.497	61	874847	21.446	PPBV	98
19) 1,1-DICHLOROETHANE	2.557	63	1065401	21.364	PPBV	99
20) MTBE	2.584	73	1581755	19.430	PPBV	98
21) IPA	2.008	45	892150	19.773	PPBV	99
22) 2-BUTANONE(MEK)	2.682	43	991553	20.321	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.818	61	723889	20.954	PPBV	96
24) VINYL ACETATE	2.606	43	1066646m	19.286	PPBV	
25) HEXANE	2.899	41	579625	20.861	PPBV	100
26) ETHYL ACETATE	2.899	45	178673	19.265	PPBV	99
27) CHLOROFORM	2.916	83	1147523	21.093	PPBV	99
28) TETRAHYDROFURAN	3.046	42	685678	18.281	PPBV	96
29) 1,2-DICHLOROETHANE	3.157	62	764144	21.473	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.246	97	1143925	21.191	PPBV	99
32) BENZENE	3.404	78	1615033	20.029	PPBV	100
33) CARBON TETRACHLORIDE	3.459	117	1173970	21.490	PPBV	100
34) CYCLOHEXANE	3.508	84	692124	21.325	PPBV	99
35) 1,2-DICHLOROPROPANE	3.699	63	590800	20.990	PPBV	98
36) BROMODICHLOROMETHANE	3.767	83	1265707	22.095	PPBV	100
37) TRICHLOROETHENE	3.788	95	735748	20.529	PPBV	98
38) 1,4-DIOXANE	3.793	88	357882	18.449	PPBV	99
39) METHYLMETHACRYLATE	3.877	69	596039	21.834	PPBV	99
40) HEPTANE	3.925	57	521046m	14.651	PPBV	
41) MIBK	4.143	58	545486	19.399	PPBV	100
42) CIS-1,3-DICHLOROPROPENE	4.117	75	927396	21.889	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214017.D Vial: 4
Acq On : 02 Aug 2023 10:17 pm Operator: CMR
Sample : 20.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:01 2023

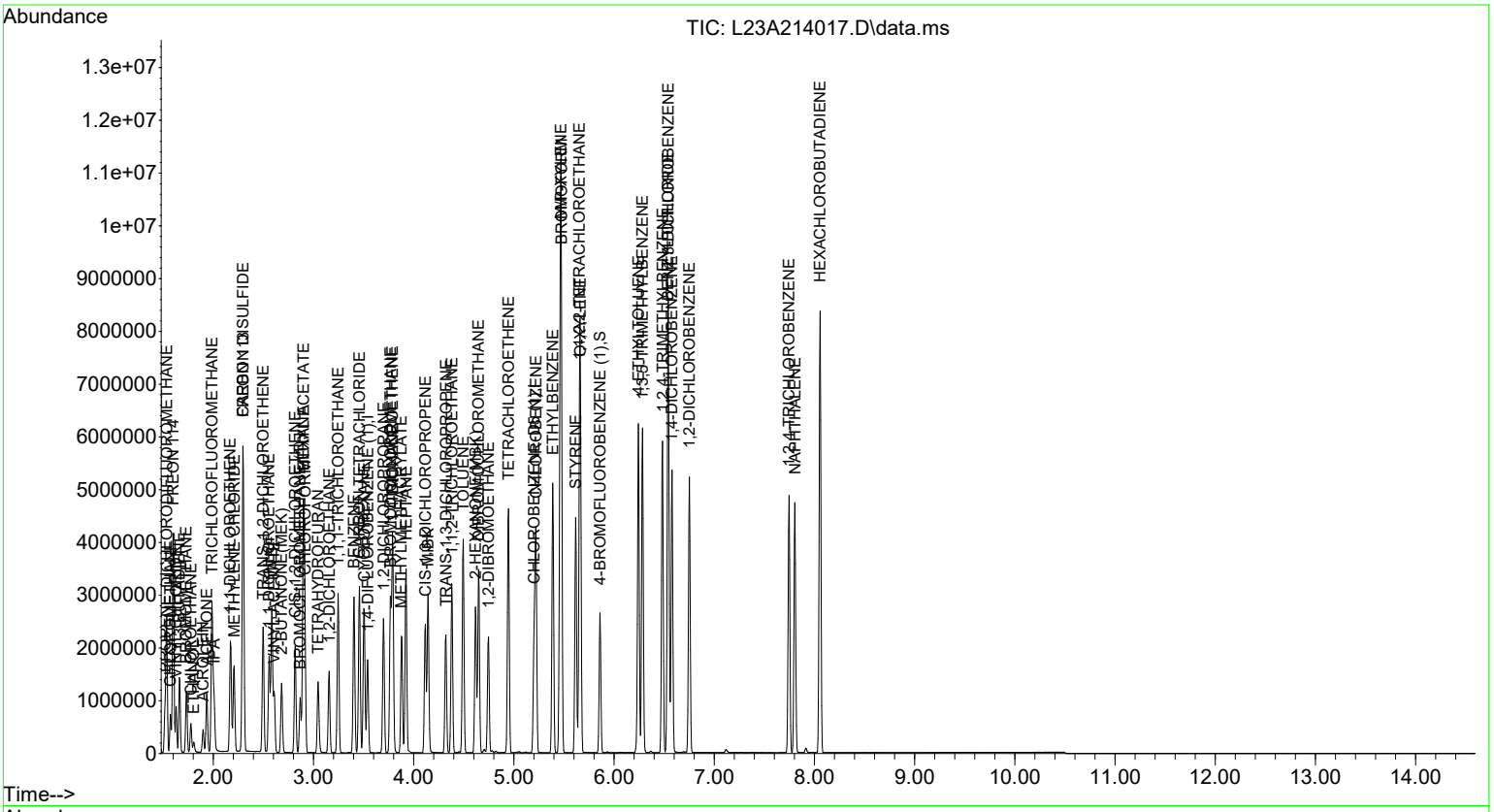
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214017.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

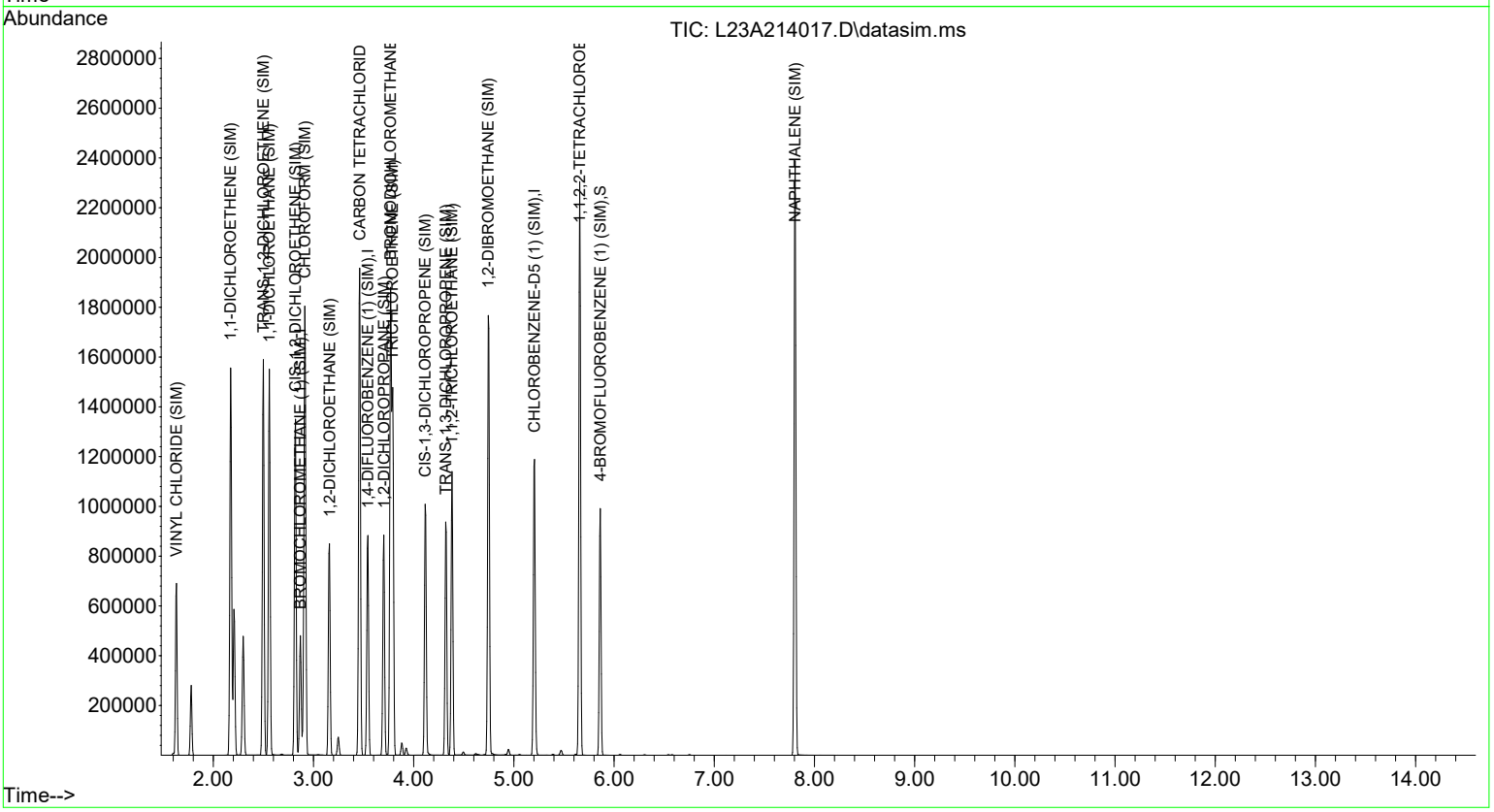
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.322	75	848275	22.727	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.380	97	674445	22.280	PPBV		99
46) TOLUENE	4.495	91	2007759	20.896	PPBV		99
47) 2-HEXANONE(MBK)	4.616	43	1322147	20.244	PPBV		100
48) DIBROMOCHLOROMETHANE	4.647	129	1215269	22.006	PPBV		98
49) 1,2-DIBROMOETHANE	4.747	107	1035411	19.852	PPBV		99
50) TETRACHLOROETHENE	4.947	166	893880	21.662	PPBV		99
51) CHLOROBENZENE	5.219	112	1513733	21.398	PPBV		99
52) ETHYLBENZENE	5.388	91	2663889	22.693	PPBV		99
53) M/P-XYLENE	5.470	91	4447782	46.705	PPBV		99
54) BROMOFORM	5.475	173	1128307	25.353	PPBV		99
55) STYRENE	5.616	104	1586022	24.896	PPBV		100
56) O-XYLENE	5.665	91	2150914m	23.565	PPBV		
57) 1,1,2,2-TETRACHLOROETHANE	5.654	83	1545308	24.492	PPBV		97
59) 4-ETHYLTOLUENE	6.242	105	2973025	24.688	PPBV		100
60) 1,3,5-TRIMETHYLBENZENE	6.284	105	2483533	25.193	PPBV		100
61) 1,2,4-TRIMETHYLBENZENE	6.484	105	2488693	25.867	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.542	146	1590966	29.063	PPBV		97
63) BENZYL CHLORIDE	6.536	91	1906171	36.099	PPBV		100
64) 1,4-DICHLOROBENZENE	6.579	146	1536858	30.638	PPBV		97
65) 1,2-DICHLOROBENZENE	6.752	146	1483152	28.913	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.747	180	1063284	54.950	PPBV		98
67) NAPHTHALENE	7.805	128	2665635	56.257	PPBv		100
68) HEXACHLOROBUTADIENE	8.057	225	1091861	38.325	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	575630	21.742	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.174	61	971487	22.124	PPBV		100
72] TRANS-1,2-DICHLOROETHE...	2.500	61	947863	21.924	PPBV		99
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	1150993	21.947	PPBV		100
74] CIS-1,2-DICHLOROETHENE...	2.821	61	801068	21.838	PPBV		99
75] CHLOROFORM (SIM)	2.913	83	1237673	22.114	PPBV		100
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	797247	22.036	PPBV		99
78] CARBON TETRACHLORIDE (...	3.462	117	1267294	21.806	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	620629	21.370	PPBV		100
80] BROMODICHLOROMETHANE (...	3.770	83	1370391	22.093	PPBV		100
81] TRICHLOROETHENE (SIM)	3.791	95	798130	21.795	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.115	75	988144	22.797	PPBV		100
83] TRANS-1,3-DICHLOROPROP...	4.319	75	905375	23.607	PPBV		99
85] 1,1,2-TRICHLOROETHANE ...	4.383	97	732760	21.722	PPBV		99
86] 1,2-DIBROMOETHANE (SIM)	4.745	107	1119997	19.269	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.657	83	1649136	24.902	PPBV		100
89] NAPHTHALENE (SIM)	7.807	128	2630259	52.084	PPBV		99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214017.D Vial: 4
Acq On : 02 Aug 2023 10:17 pm Operator: CMR
Sample : 20.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:01 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214017.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

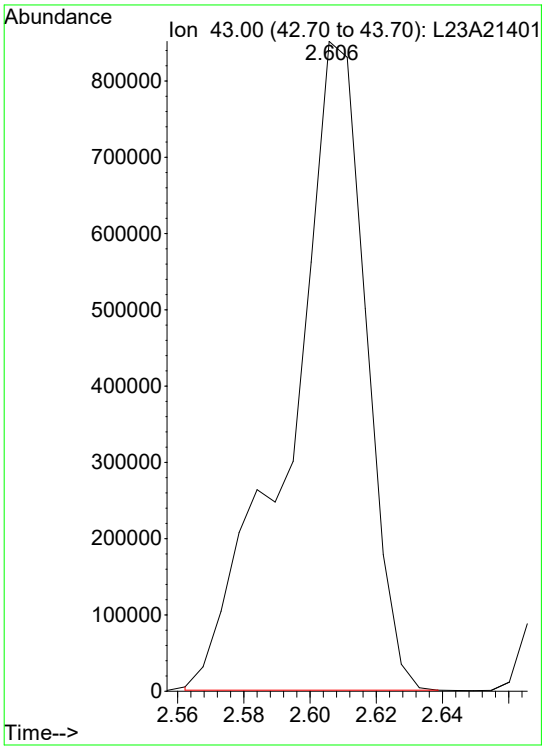




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214017.D
Acq On : 02 Aug 2023 10:17 pm
Operator : CMR
Sample : 20.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 11:36:29 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

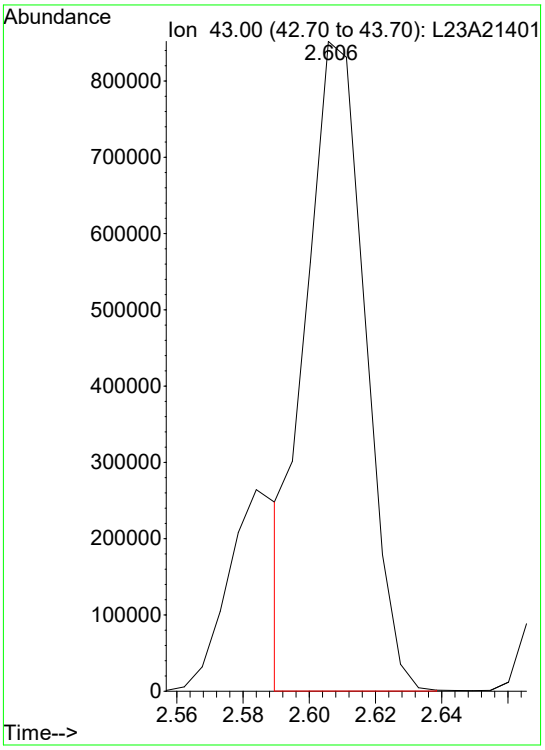
RT : 2.61
Area : 1.34097e+006
Amount: 24.246

Manual Int. Results

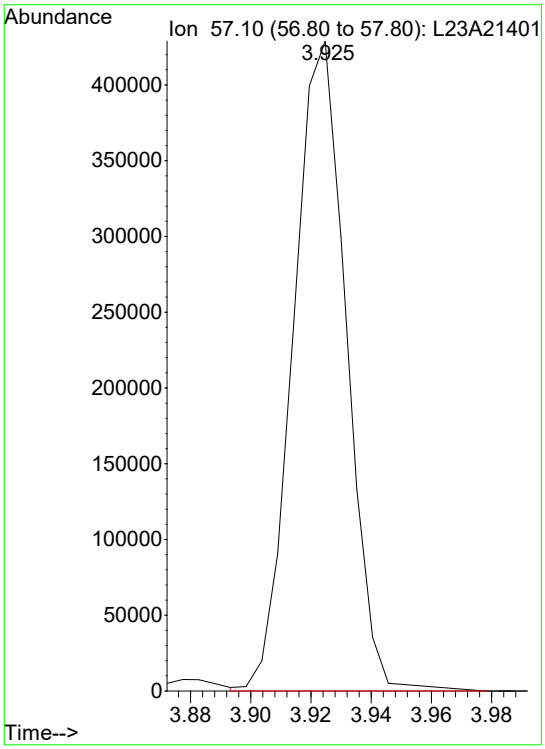
Thu Aug 03 09:45:05 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 1.06665e+006
Amount: 19.2859

Manual Integration
VINYL ACETATE



Original Integration
HEPTANE



Original Int. Results

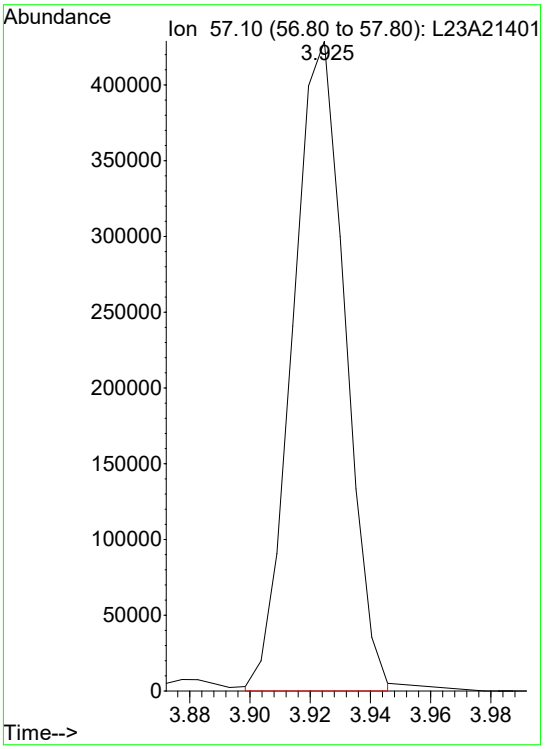
RT : 3.92
Area : 765901
Amount: 21.5357

Manual Int. Results

Thu Aug 03 11:36:29 2023

MIuser: CMR
Reason: Other
RT : 3.92
Area : 521046
Amount: 14.6508

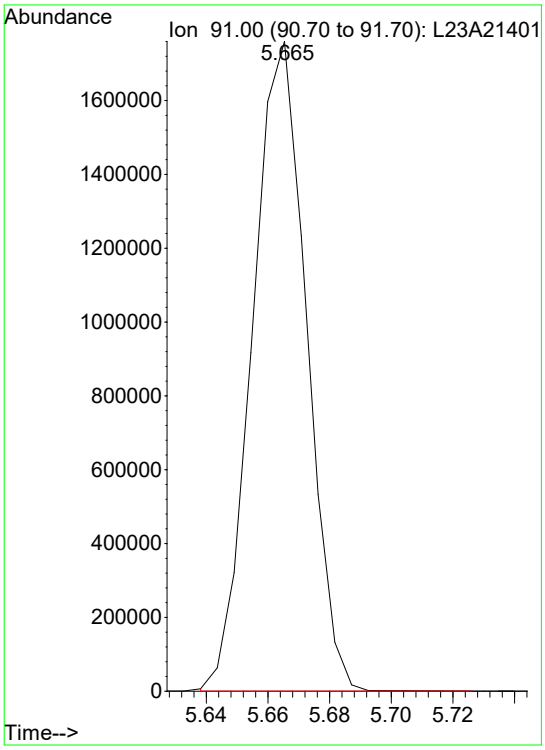
Manual Integration
HEPTANE



Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214017.D
Acq On : 02 Aug 2023 10:17 pm
Operator : CMR
Sample : 20.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 11:36:29 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
O-XYLENE



Original Int. Results

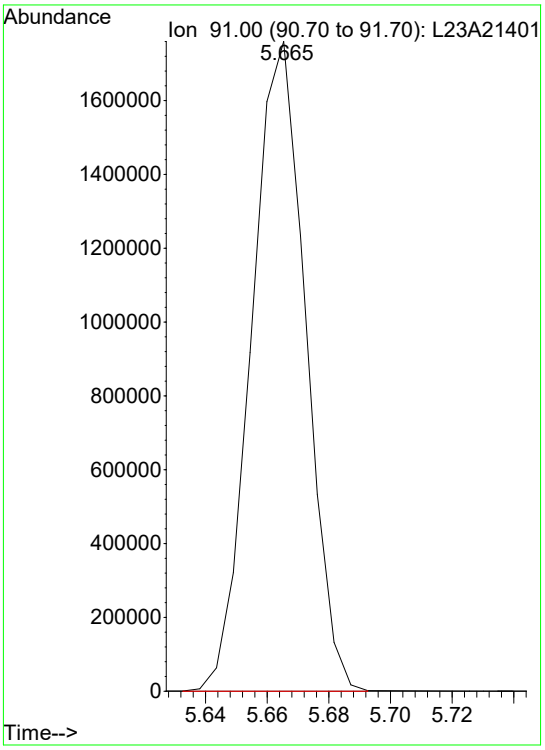
RT : 5.67
Area : 3.13629e+006
Amount: 34.3606

Manual Int. Results

Thu Aug 03 11:12:54 2023

MIuser: CMR
Reason: Other
RT : 5.67
Area : 2.15091e+006
Amount: 23.565

Manual Integration
O-XYLENE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214018.D Vial: 4
Acq On : 02 Aug 2023 10:50 pm Operator: CMR
Sample : 50.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214018.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.867	49	308173	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.541	114	918507	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.204	117	859687	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.870	49	339762	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	964224	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.207	117	957670	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.861	174	499850	8.626	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 107.88%			
88) 4-BROMOFLUOROBENZENE (...	5.864	174	518430	8.479	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 106.00%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	715624	47.703	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	3219042	51.725	PPBV	96
4) CHLOROMETHANE	1.572	50	1125368	47.916	PPBV	97
5) FREON 114	1.598	85	3324199	53.096	PPBV	97
6) VINYL CHLORIDE	1.630	62	1354979	51.946	PPBV	99
7) 1,3-BUTADIENE	1.666	54	1033174	53.395	PPBV	99
8) BROMOMETHANE	1.735	94	1193588	53.454	PPBV	99
9) CHLOROETHANE	1.777	64	721169	50.874	PPBV	100
10) ACROLEIN	1.897	56	566872	47.707	PPBV	100
11) ACETONE	1.934	43	1992707	45.075	PPBV	99
12) TRICHLOROFLUOROMETHANE	1.987	101	3470536	54.016	PPBV	99
13) ETHANOL	1.803	45	321224	37.858	PPBV	100
14) 1,1-DICHLOROETHENE	2.176	61	2161626	50.960	PPBV	98
15) METHYLENE CHLORIDE	2.208	49	1599908	52.043	PPBV	98
16) FREON 113	2.301	101	2806605	54.367	PPBV	99
17) CARBON DISULFIDE	2.301	76	3863352	51.677	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.497	61	2163736	53.441	PPBV	97
19) 1,1-DICHLOROETHANE	2.557	63	2624240	53.019	PPBV	98
20) MTBE	2.584	73	3878849	48.007	PPBV	99
21) IPA	2.008	45	2198660	49.096	PPBV	99
22) 2-BUTANONE(MEK)	2.682	43	2523264	52.102	PPBV	100
23) CIS-1,2-DICHLOROETHENE	2.818	61	1835716	53.538	PPBV	97
24) VINYL ACETATE	2.611	43	2936272m	53.490	PPBV	
25) HEXANE	2.899	41	1458154	52.876	PPBV	99
26) ETHYL ACETATE	2.899	45	468571	50.902	PPBV	99
27) CHLOROFORM	2.916	83	2884106	53.413	PPBV	99
28) TETRAHYDROFURAN	3.046	42	1736083	46.634	PPBV	97
29) 1,2-DICHLOROETHANE	3.156	62	1932154	54.704	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.246	97	2904116	52.712	PPBV	99
32) BENZENE	3.405	78	4027751	48.942	PPBV	99
33) CARBON TETRACHLORIDE	3.459	117	2982814	53.499	PPBV	100
34) CYCLOHEXANE	3.508	84	1777789	53.668	PPBV	99
35) 1,2-DICHLOROPROPANE	3.699	63	1536105	53.473	PPBV	99
36) BROMODICHLOROMETHANE	3.767	83	3205662	54.829	PPBV	99
37) TRICHLOROETHENE	3.788	95	1903081	52.029	PPBV	98
38) 1,4-DIOXANE	3.788	88	919752	46.456	PPBV	97
39) METHYLMETHACRYLATE	3.883	69	1591081	57.107	PPBV	98
40) HEPTANE	3.925	57	1328930	36.612	PPBV	95
41) MIBK	4.144	58	1387704	48.355	PPBV	97
42) CIS-1,3-DICHLOROPROPENE	4.117	75	2457056	56.821	PPBV	100

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214018.D Vial: 4 592
Acq On : 02 Aug 2023 10:50 pm Operator: CMR
Sample : 50.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:04 2023

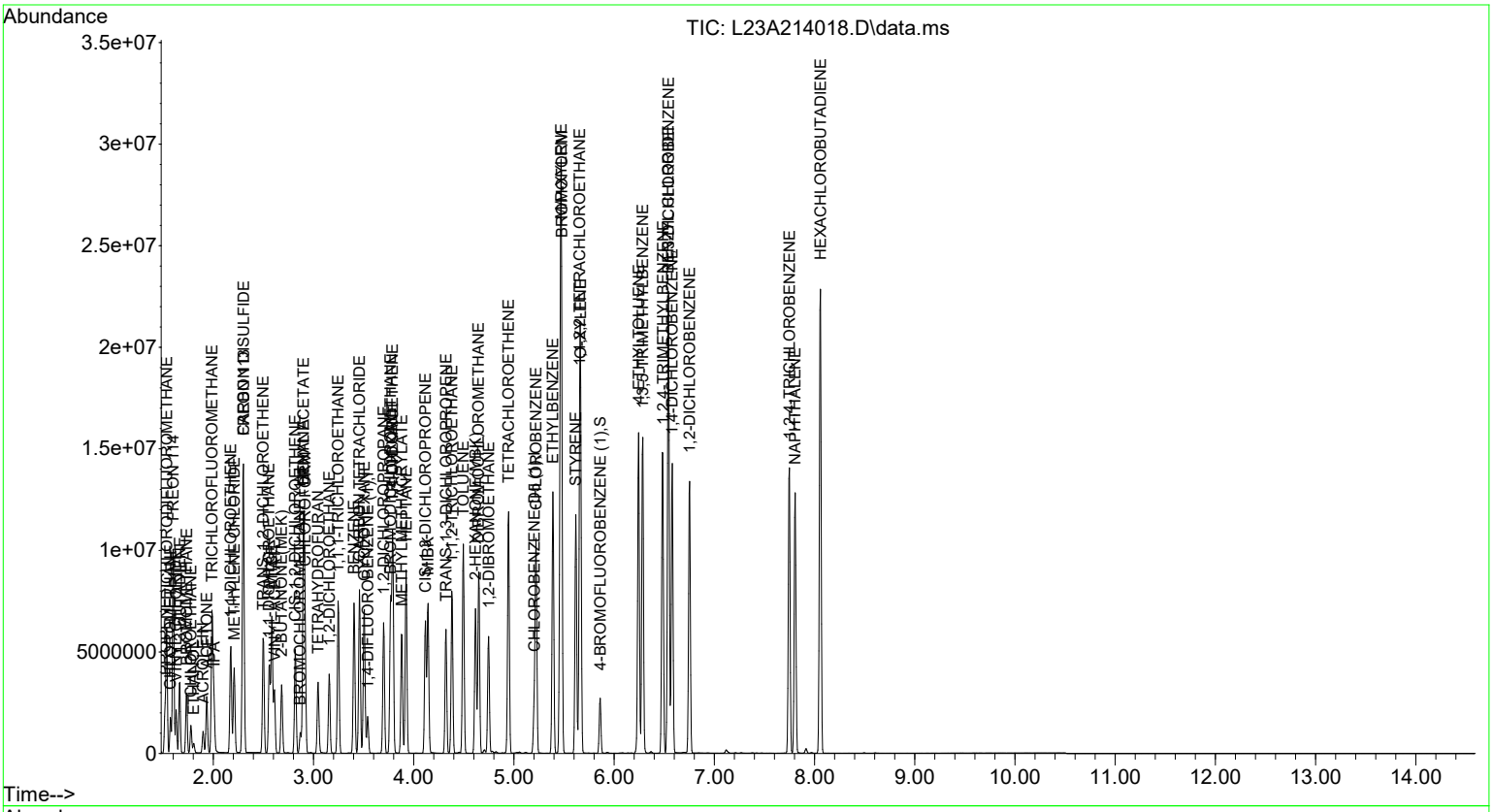
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214018.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

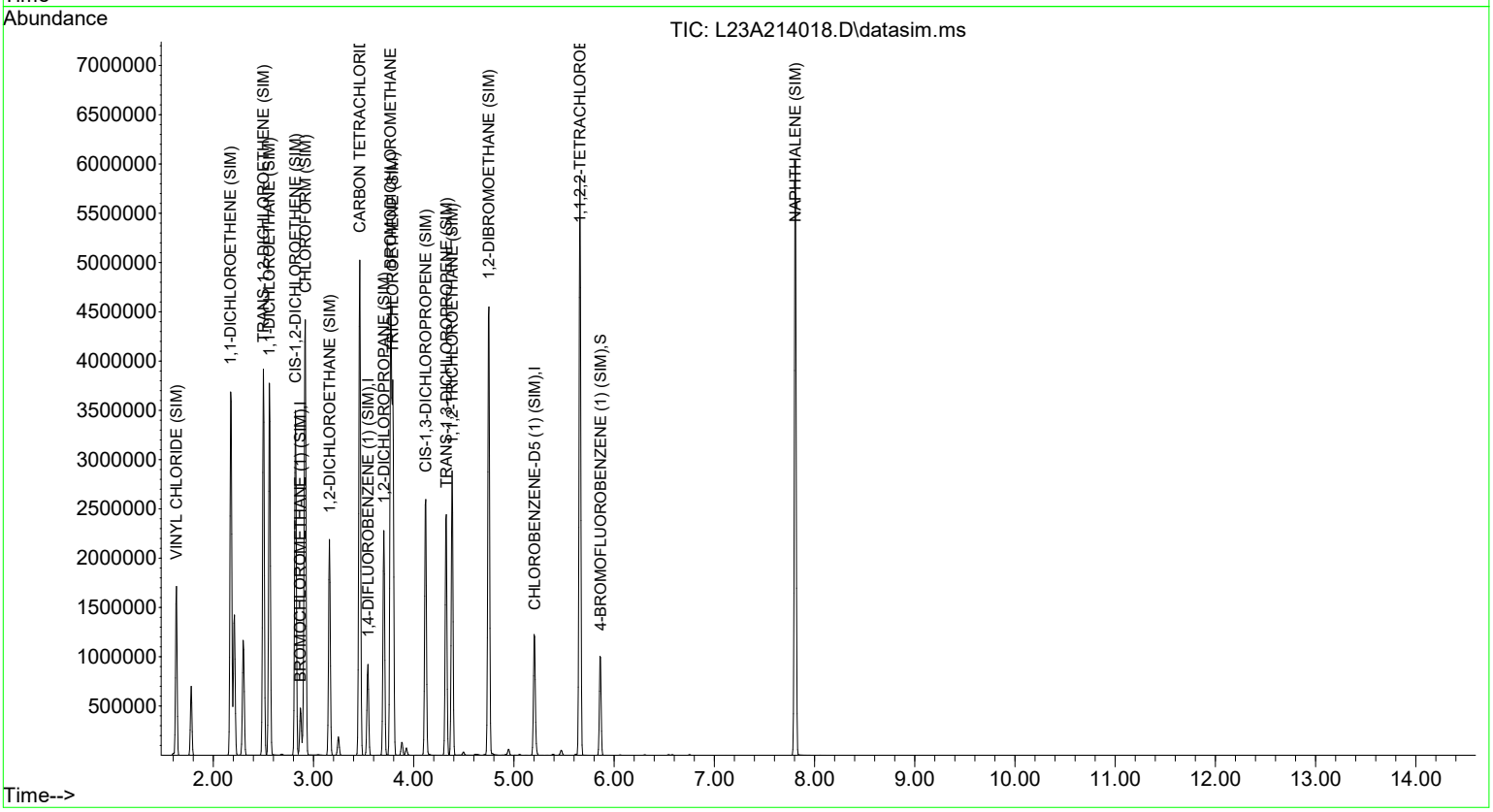
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.322	75	2299997	60.377	PPBV		100
45) 1,1,2-TRICHLOROETHANE	4.380	97	1725491	55.634	PPBV		99
46) TOLUENE	4.496	91	4976837	50.555	PPBV		98
47) 2-HEXANONE(MBK)	4.616	43	3327444	49.725	PPBV		99
48) DIBROMOCHLOROMETHANE	4.648	129	3143549	55.557	PPBV		97
49) 1,2-DIBROMOETHANE	4.748	107	2693356	50.400	PPBV		99
50) TETRACHLOROETHENE	4.947	166	2305531	54.531	PPBV		100
51) CHLOROBENZENE	5.220	112	3887142	53.630	PPBV		98
52) ETHYLBENZENE	5.389	91	6561179	54.551	PPBV		96
53) M/P-XYLENE	5.471	91	10793235	110.619	PPBV		93
54) BROMOFORM	5.476	173	3042900	66.734	PPBV		98
55) STYRENE	5.617	104	4136959	63.380	PPBV		99
56) O-XYLENE	5.667	91	5416496	57.919	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.656	83	3976089	61.506	PPBV		96
59) 4-ETHYLTOLUENE	6.244	105	7360248	59.653	PPBV		95
60) 1,3,5-TRIMETHYLBENZENE	6.286	105	6233350	61.715	PPBV		95
61) 1,2,4-TRIMETHYLBENZENE	6.486	105	6304644	63.956	PPBV	#	95
62) 1,3-DICHLOROBENZENE	6.544	146	4189076	74.687	PPBV		98
63) BENZYL CHLORIDE	6.538	91	5229368	96.658	PPBV		98
64) 1,4-DICHLOROBENZENE	6.581	146	4099894	79.772	PPBV		99
65) 1,2-DICHLOROBENZENE	6.754	146	3949596	75.148	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.749	180	3129515	157.853	PPBV		97
67) NAPHTHALENE	7.807	128	7095585	146.155	PPBv		98
68) HEXACHLOROBUTADIENE	8.059	225	3039090	104.116	PPBV		99
70] VINYL CHLORIDE (SIM)	1.633	62	1409119	52.909	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.173	61	2357713	53.375	PPBV		99
72] TRANS-1,2-DICHLOROETHE...	2.500	61	2323959	53.435	PPBV		98
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	2823282	53.515	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.821	61	2011159	54.502	PPBV		98
75] CHLOROFORM (SIM)	2.918	83	3078029	54.671	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	2005429	55.101	PPBV		98
78] CARBON TETRACHLORIDE (...	3.462	117	3195776	53.726	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	1591931	53.558	PPBV		100
80] BROMODICHLOROMETHANE (...	3.770	83	3413971	53.775	PPBV		98
81] TRICHLOROETHENE (SIM)	3.791	95	2053293	54.783	PPBV		99
82] CIS-1,3-DICHLOROPROPEN...	4.120	75	2561800	57.746	PPBV		99
83] TRANS-1,3-DICHLOROPROP...	4.325	75	2396405	61.052	PPBV		98
85] 1,1,2-TRICHLOROETHANE ...	4.383	97	1865669	53.570	PPBV		100
86] 1,2-DIBROMOETHANE (SIM)	4.751	107	2909862	48.492	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.659	83	4212832	61.619	PPBV		98
89] NAPHTHALENE (SIM)	7.810	128	6919229	132.716	PPBV		97

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214018.D Vial: 4
Acq On : 02 Aug 2023 10:50 pm Operator: CMR
Sample : 50.0PPBV STD Inst : SYSL
Misc : CTWS-4086-2059 08/12 Multiplr: 1.00
Quant Time: Aug 03 09:37:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214018.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jul 03 14:39:10 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

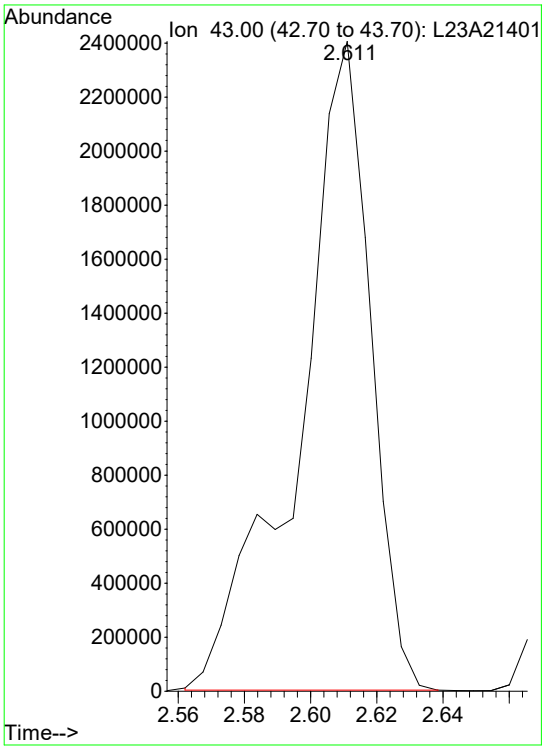




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214018.D
Acq On : 02 Aug 2023 10:50 pm
Operator : CMR
Sample : 50.0PPBV STD
Misc : CTWS-4086-2059 08/12

Quant Time : Thu Aug 03 09:48:10 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L063023SIM.M
QLast Update : Mon Jul 03 14:39:10 2023

Original Integration
VINYL ACETATE



Original Int. Results

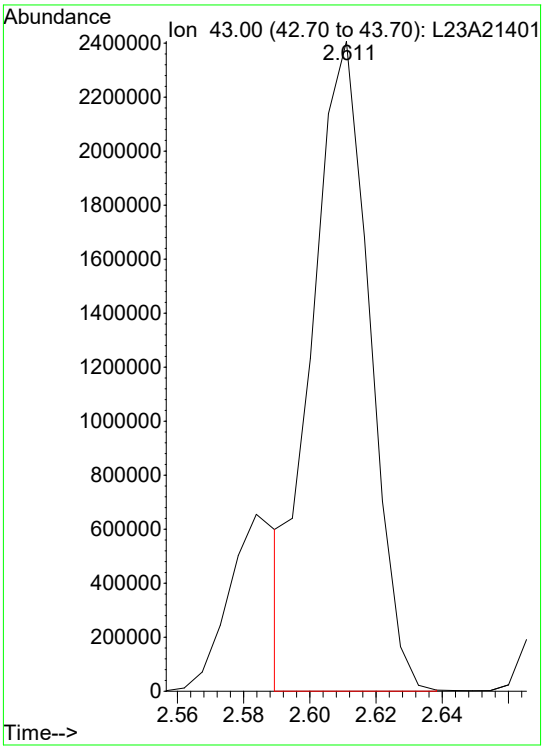
RT : 2.61
Area : 3.59593e+006
Amount: 65.5073

Manual Int. Results

Thu Aug 03 09:48:10 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 2.93627e+006
Amount: 53.4902

Manual Integration
VINYL ACETATE



Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE (1)	8.000	8.000	0.0	0	0.00
2		PROPENE	5.000	4.395	12.1	0	0.00
3		DICHLORODIFLUOROMETHANE	5.000	4.956	0.9	0	0.00
4		CHLOROMETHANE	5.000	4.722	5.6	0	0.00
5		FREON 114	5.000	4.639	7.2	0	0.00
6		VINYL CHLORIDE	5.000	4.950	1.0	0	0.00
7		1,3-BUTADIENE	5.000	4.754	4.9	0	0.00
8		BROMOMETHANE	5.000	4.833	3.3	0	0.00
9		CHLOROETHANE	5.000	4.518	9.6	0	0.00
10		ACROLEIN	5.000	4.408	11.8	0	0.00
11		ACETONE	5.000	4.790	4.2	0	0.00
12		TRICHLOROFLUOROMETHANE	5.000	4.916	1.7	0	0.00
13		ETHANOL	5.000	5.740	-14.8	0	0.00
14		1,1-DICHLOROETHENE	5.000	5.104	-2.1	0	0.00
15		METHYLENE CHLORIDE	5.000	4.710	5.8	0	0.00
16		FREON 113	5.000	4.955	0.9	0	0.00
17		CARBON DISULFIDE	5.000	5.012	-0.2	0	0.00
18		TRANS-1,2-DICHLOROETHENE	5.000	5.110	-2.2	0	0.00
19		1,1-DICHLOROETHANE	5.000	4.954	0.9	0	0.00
20		MTBE	5.000	4.951	1.0	0	0.00
21		IPA	5.000	4.384	12.3	0	0.00
22		2-BUTANONE(MEK)	5.000	4.746	5.1	0	0.00
23		CIS-1,2-DICHLOROETHENE	5.000	4.941	1.2	0	0.00
24		VINYL ACETATE	5.000	5.119	-2.4	0	0.00
25		HEXANE	5.000	4.925	1.5	0	0.00
26		ETHYL ACETATE	5.000	4.250	15.0	0	0.00
27		CHLOROFORM	5.000	5.051	-1.0	0	0.00
28		TETRAHYDROFURAN	5.000	5.180	-3.6	0	0.00
29		1,2-DICHLOROETHANE	5.000	4.957	0.9	0	0.00
30	I	1,4-DIFLUOROBENZENE (1)	8.000	8.000	0.0	0	0.00
31		1,1,1-TRICHLOROETHANE	5.000	4.713	5.7	0	0.00
32		BENZENE	5.000	4.801	4.0	0	0.00
33		CARBON TETRACHLORIDE	5.000	4.826	3.5	0	0.00
34		CYCLOHEXANE	5.000	4.765	4.7	0	0.00
35		1,2-DICHLOROPROPANE	5.000	4.911	1.8	0	0.00
36		BROMODICHLOROMETHANE	5.000	4.817	3.7	0	0.00
37		TRICHLOROETHENE	5.000	4.647	7.1	0	0.00
38		1,4-DIOXANE	5.000	4.627	7.5	0	0.00
39		METHYLMETHACRYLATE	5.000	4.692	6.2	0	0.00
40		HEPTANE	5.000	4.928	1.4	0	0.00
41		MIBK	5.000	4.899	2.0	0	0.00
42		CIS-1,3-DICHLOROPROPENE	5.000	4.709	5.8	0	0.00
43		TRANS-1,3-DICHLOROPROPENE	5.000	5.054	-1.1	0	0.00
44	I	CHLOROBENZENE-D5 (1)	8.000	8.000	0.0	0	0.00
45		1,1,2-TRICHLOROETHANE	5.000	4.893	2.1	0	0.00
46		TOLUENE	5.000	4.796	4.1	0	0.00
47		2-HEXANONE(MBK)	5.000	4.836	3.3	0	0.00
48		DIBROMOCHLOROMETHANE	5.000	4.938	1.2	0	0.00
49		1,2-DIBROMOETHANE	5.000	4.462	10.8	0	0.00

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
50		TETRACHLOROETHENE	5.000	4.764	4.7	0	0.00
51		CHLOROBENZENE	5.000	4.631	7.4	0	0.00
52		ETHYLBENZENE	5.000	4.880	2.4	0	0.00
53		M/P-XYLENE	10.000	9.925	0.7	0	0.00
54		BROMOFORM	5.000	4.738	5.2	0	0.00
55		STYRENE	5.000	4.888	2.2	0	0.00
56		O-XYLENE	5.000	4.777	4.5	0	0.00
57		1,1,2,2-TETRACHLOROETHANE	5.000	4.623	7.5	0	0.00
58	S	4-BROMOFLUOROBENZENE (1)	8.000	8.141	-1.8	0	0.00
59		4-ETHYLTOLUENE	5.000	5.019	-0.4	0	0.00
60		1,3,5-TRIMETHYLBENZENE	5.000	4.913	1.7	0	0.00
61		1,2,4-TRIMETHYLBENZENE	5.000	4.847	3.1	0	0.00
62		1,3-DICHLOROBENZENE	5.000	5.042	-0.8	0	0.00
63		BENZYL CHLORIDE	5.000	4.875	2.5	0	0.00
64		1,4-DICHLOROBENZENE	5.000	5.261	-5.2	0	0.00
65		1,2-DICHLOROBENZENE	5.000	4.657	6.9	0	0.00
66		1,2,4-TRICHLOROBENZENE	3.900	3.966	-1.7	0	0.00
67		NAPHTHALENE	3.680	3.772	-2.5	0	0.00
68		HEXACHLOROBUTADIENE	4.250	4.012	5.6	0	0.00
69	I	BROMOCHLOROMETHANE (1) (SIM	8.000	8.000	0.0	0	0.00
70		VINYL CHLORIDE (SIM)	5.000	4.896	2.1	0	0.00
71		1,1-DICHLOROETHENE (SIM)	5.000	4.970	0.6	0	0.00
72		TRANS-1,2-DICHLOROETHENE (S	5.000	5.000	0.0	0	0.00
73		1,1-DICHLOROETHANE (SIM)	5.000	4.912	1.8	0	0.00
74		CIS-1,2-DICHLOROETHENE (SIM	5.000	4.918	1.6	0	0.00
75		CHLOROFORM (SIM)	5.000	5.000	0.0	0	0.00
76		1,2-DICHLOROETHANE (SIM)	5.000	4.882	2.4	0	0.00
77	I	1,4-DIFLUOROBENZENE (1) (SI	8.000	8.000	0.0	0	0.00
78		CARBON TETRACHLORIDE (SIM)	5.000	4.859	2.8	0	0.00
79		1,2-DICHLOROPROPANE (SIM)	5.000	4.951	1.0	0	0.00
80		BROMODICHLOROMETHANE (SIM)	5.000	4.750	5.0	0	0.00
81		TRICHLOROETHENE (SIM)	5.000	4.785	4.3	0	0.00
82		CIS-1,3-DICHLOROPROPENE (SI	5.000	4.750	5.0	0	0.00
83		TRANS-1,3-DICHLOROPROPENE (	5.000	4.730	5.4	0	0.00
84	I	CHLOROBENZENE-D5 (1) (SIM)	8.000	8.000	0.0	0	0.00
85		1,1,2-TRICHLOROETHANE (SIM)	5.000	4.878	2.4	0	0.00
86		1,1,2,2-TETRACHLOROETHANE (	5.000	4.581	8.4	0	0.00
87	S	4-BROMOFLUOROBENZENE (1) (S	8.000	8.185	-2.3	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.867	49	300782	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.540	114	878479	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.202	117	823159	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.870	49	336778	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.543	114	921817	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.205	117	904634	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.858	174	461279	8.141	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 101.75%			
87) 4-BROMOFLUOROBENZENE (...	5.861	174	474006	8.185	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 102.25%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	67339	4.395	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.535	85	329483	4.956	PPBV	99
4) CHLOROMETHANE	1.572	50	108328	4.722	PPBV	98
5) FREON 114	1.598	85	311269	4.639	PPBV	96
6) VINYL CHLORIDE	1.630	62	132242	4.950	PPBV	100
7) 1,3-BUTADIENE	1.661	54	98515	4.754	PPBV	99
8) BROMOMETHANE	1.729	94	114642	4.833	PPBV	99
9) CHLOROETHANE	1.777	64	69938	4.518	PPBV	100
10) ACROLEIN	1.897	56	52613	4.408	PPBV	99
11) ACETONE	1.939	43	202093	4.790	PPBV	100
12) TRICHLOROFLUOROMETHANE	1.987	101	335813	4.916	PPBV	100
13) ETHANOL	1.808	45	37387	5.740	PPBV	100
14) 1,1-DICHLOROETHENE	2.171	61	216290	5.104	PPBV	99
15) METHYLENE CHLORIDE	2.209	49	154344	4.710	PPBV	99
16) FREON 113	2.296	101	267618	4.955	PPBV	99
17) CARBON DISULFIDE	2.296	76	388893	5.012	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.497	61	216756	5.110	PPBV	97
19) 1,1-DICHLOROETHANE	2.557	63	259428	4.954	PPBV	98
20) MTBE	2.589	73	396623	4.951	PPBV	99
21) IPA	2.013	45	194614	4.384	PPBV	99
22) 2-BUTANONE(MEK)	2.687	43	246543	4.746	PPBV	97
23) CIS-1,2-DICHLOROETHENE	2.818	61	168865	4.941	PPBV	96
24) VINYL ACETATE	2.611	43	281677m	5.119	PPBV	
25) HEXANE	2.899	41	137803	4.925	PPBV	99
26) ETHYL ACETATE	2.905	45	38191	4.250	PPBV	97
27) CHLOROFORM	2.916	83	273320	5.051	PPBV	100
28) TETRAHYDROFURAN	3.051	42	177465	5.180	PPBV	97
29) 1,2-DICHLOROETHANE	3.157	62	182155	4.957	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.246	97	262715	4.713	PPBV	97
32) BENZENE	3.404	78	382406	4.801	PPBV	100
33) CARBON TETRACHLORIDE	3.459	117	270816	4.826	PPBV	100
34) CYCLOHEXANE	3.507	84	158570	4.765	PPBV	97
35) 1,2-DICHLOROPROPANE	3.699	63	140307	4.911	PPBV	99
36) BROMODICHLOROMETHANE	3.767	83	294492	4.817	PPBV	99
37) TRICHLOROETHENE	3.788	95	171277	4.647	PPBV	97
38) 1,4-DIOXANE	3.804	88	88555	4.627	PPBV	99
39) METHYLMETHACRYLATE	3.882	69	130314	4.692	PPBV	98
40) HEPTANE	3.924	57	123752m	4.928	PPBV	
41) MIBK	4.148	58	129876	4.899	PPBV	96
42) CIS-1,3-DICHLOROPROPENE	4.117	75	204870	4.709	PPBV	97

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

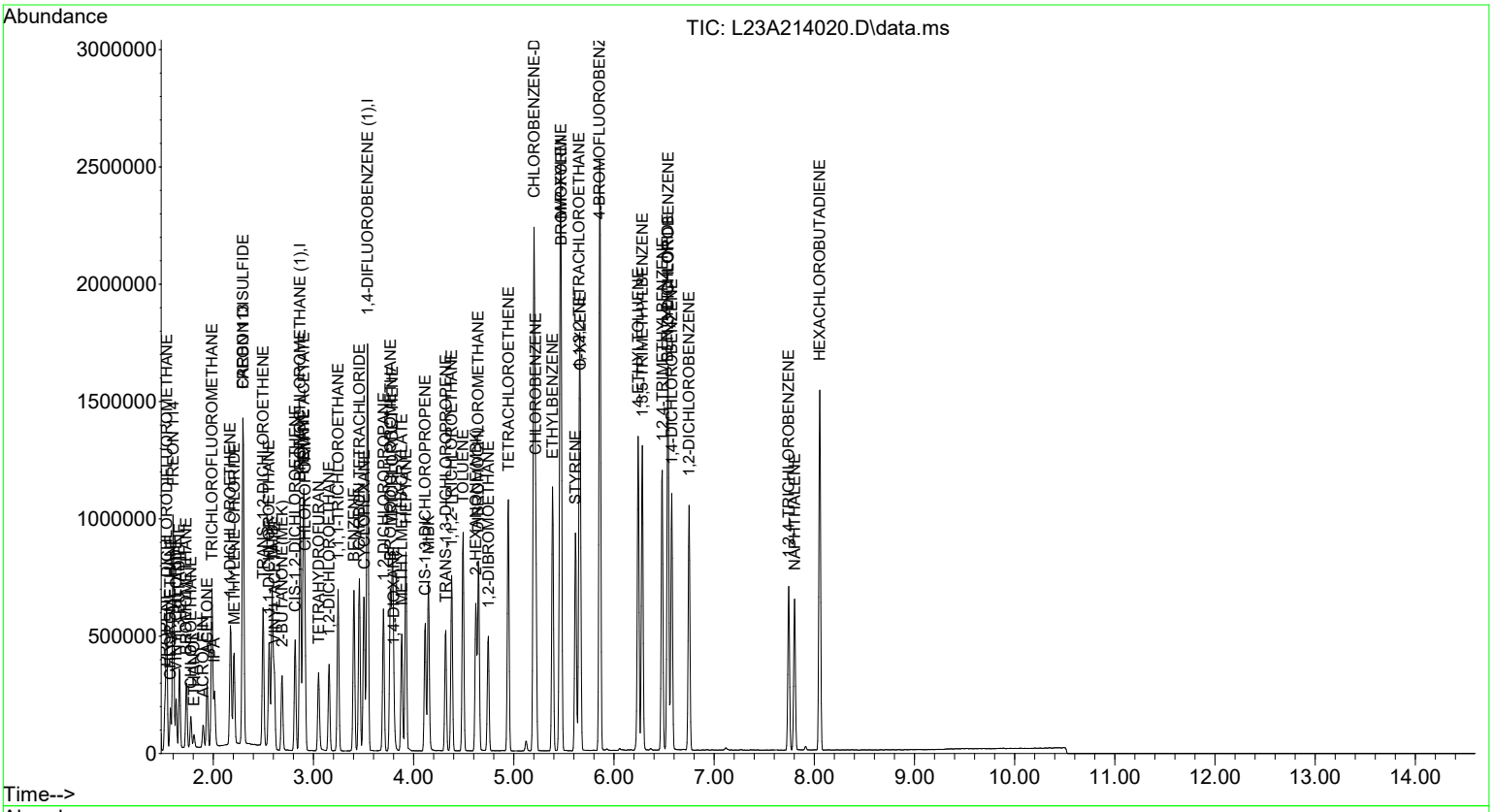
Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

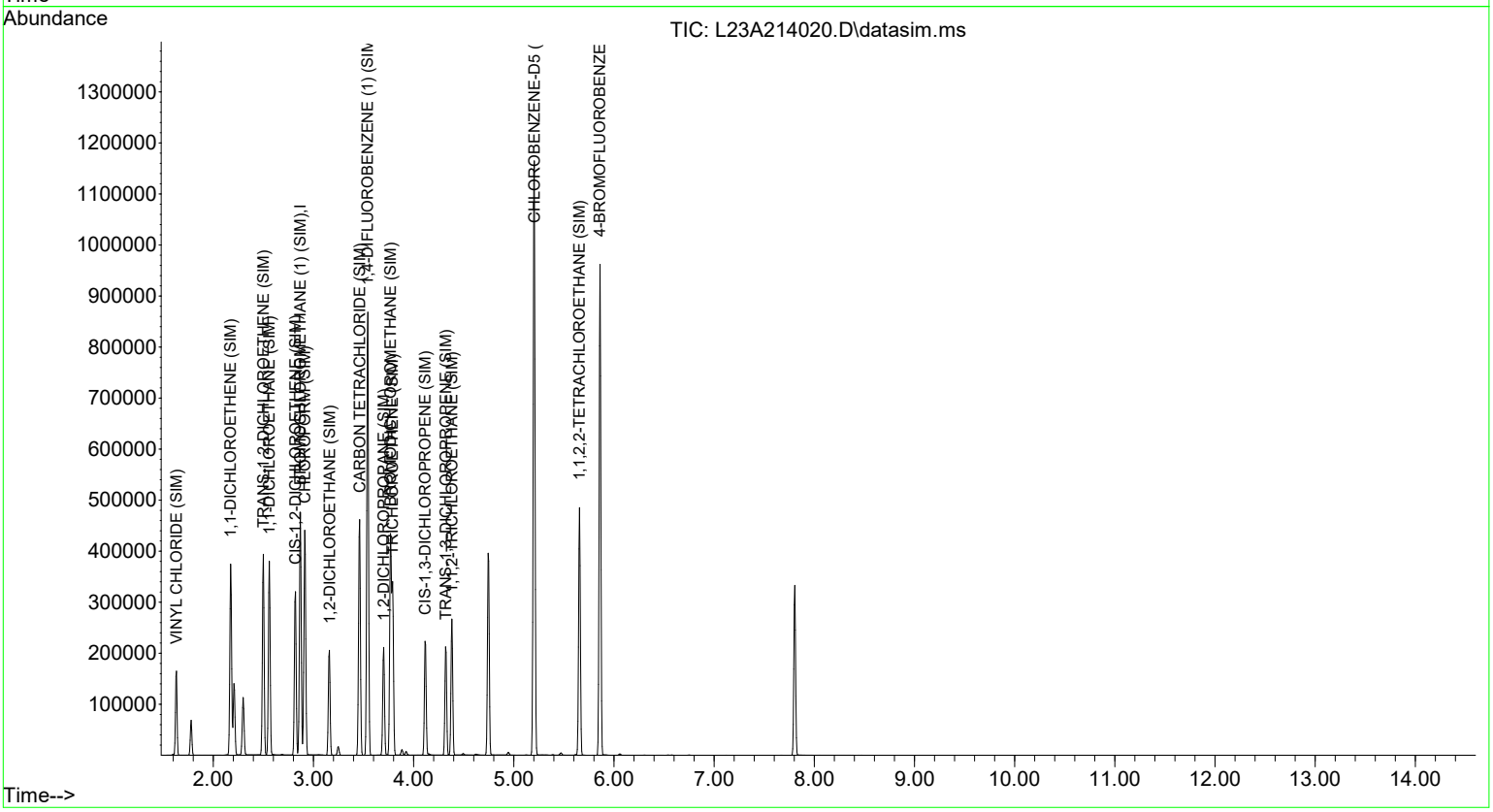
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.321	75	195511	5.054	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.379	97	155888	4.893	PPBV	100
46) TOLUENE	4.495	91	463173	4.796	PPBV	99
47) 2-HEXANONE(MBK)	4.620	43	298262	4.836	PPBV	99
48) DIBROMOCHLOROMETHANE	4.647	129	286760	4.938	PPBV	100
49) 1,2-DIBROMOETHANE	4.746	107	233067	4.462	PPBV	99
50) TETRACHLOROETHENE	4.946	166	204640	4.764	PPBV	99
51) CHLOROBENZENE	5.218	112	344001	4.631	PPBV	98
52) ETHYLBENZENE	5.387	91	590921	4.880	PPBV	100
53) M/P-XYLENE	5.468	91	991752	9.925	PPBV	99
54) BROMOFORM	5.474	173	240137	4.738	PPBV	99
55) STYRENE	5.615	104	335987	4.888	PPBV	99
56) O-XYLENE	5.664	91	469419	4.777	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.653	83	325293	4.623	PPBV	98
59) 4-ETHYLTOLUENE	6.241	105	644030	5.019	PPBV	98
60) 1,3,5-TRIMETHYLBENZENE	6.283	105	533511	4.913	PPBV	98
61) 1,2,4-TRIMETHYLBENZENE	6.482	105	509347	4.847	PPBV #	99
62) 1,3-DICHLOROBENZENE	6.540	146	325117	5.042	PPBV	99
63) BENZYL CHLORIDE	6.535	91	327004	4.875	PPBV	99
64) 1,4-DICHLOROBENZENE	6.577	146	314048	5.261	PPBV	95
65) 1,2-DICHLOROBENZENE	6.750	146	298773	4.657	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.745	180	150716	3.966	PPBV	97
67) NAPHTHALENE	7.803	128	370490	3.772	PPBv	100
68) HEXACHLOROBUTADIENE	8.054	225	196319	4.012	PPBV	99
70] VINYL CHLORIDE (SIM)	1.633	62	138011	4.896	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.174	61	234736	4.970	PPBV	100
72] TRANS-1,2-DICHLOROETHE...	2.500	61	234496	5.000	PPBV	99
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	282219	4.912	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.821	61	189676	4.918	PPBV	99
75] CHLOROFORM (SIM)	2.913	83	297245	5.000	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.159	62	192050	4.882	PPBV	100
78] CARBON TETRACHLORIDE (...	3.461	117	298531	4.859	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.702	63	147840	4.951	PPBV	100
80] BROMODICHLOROMETHANE (...	3.770	83	314304	4.750	PPBV	100
81] TRICHLOROETHENE (SIM)	3.791	95	185487	4.785	PPBV	99
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	219454	4.750	PPBV	100
83] TRANS-1,3-DICHLOROPROP...	4.319	75	205032	4.730	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.382	97	171981	4.878	PPBV	99
86] 1,1,2,2-TETRACHLOROETH...	5.656	83	351845	4.581	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L080223\L23A214020.D Vial: 5
Acq On : 02 Aug 2023 11:42 pm Operator: CMR
Sample : 5.0PPBV ICV Inst : SYSL
Misc : CTWS-4085-1300 08/12 Multiplr: 1.00
Quant Time: Aug 03 11:38:04 2023

Data File: D:\MassHunter\GCMS\1\data\L080223\L23A214020.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Thu Aug 03 11:36:52 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

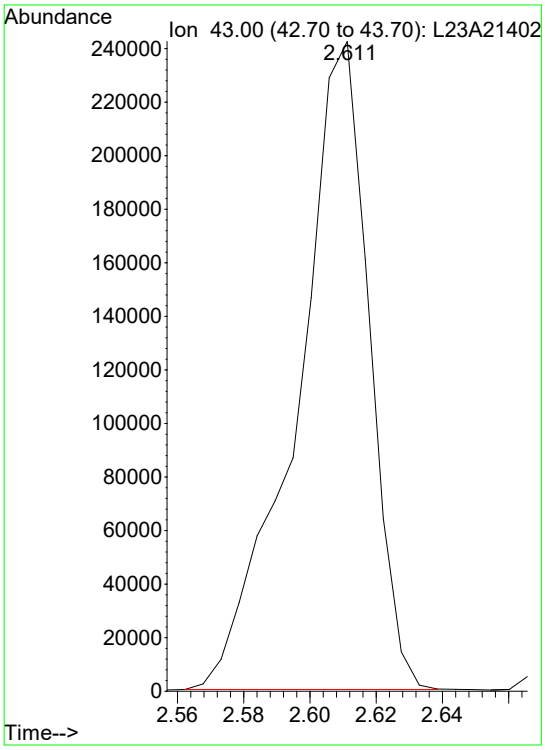




Data Path : D:\MassHunter\GCMS\1\data\L080223\
Data File : L23A214020.D
Acq On : 02 Aug 2023 11:42 pm
Operator : CMR
Sample : 5.0PPBV ICV
Misc : CTWS-4085-1300 08/12

Quant Time : Thu Aug 03 11:38:39 2023
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Thu Aug 03 11:36:52 2023

Original Integration
VINYL ACETATE



Original Int. Results

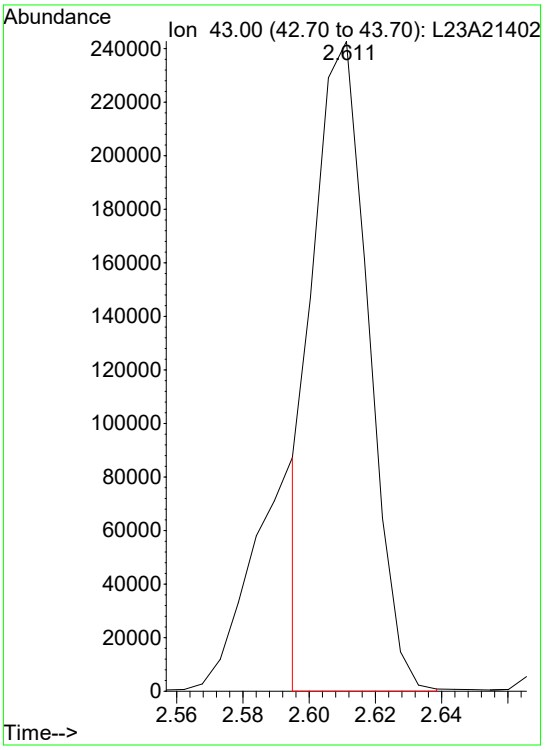
RT : 2.61
Area : 364886
Amount: 6.63118

Manual Int. Results

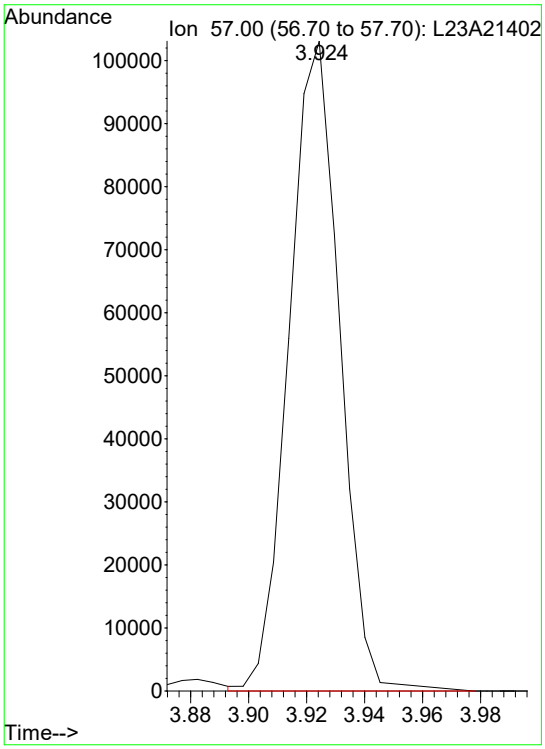
Thu Aug 03 11:38:28 2023

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 281677
Amount: 5.119

Manual Integration
VINYL ACETATE



Original Integration
HEPTANE



Original Int. Results

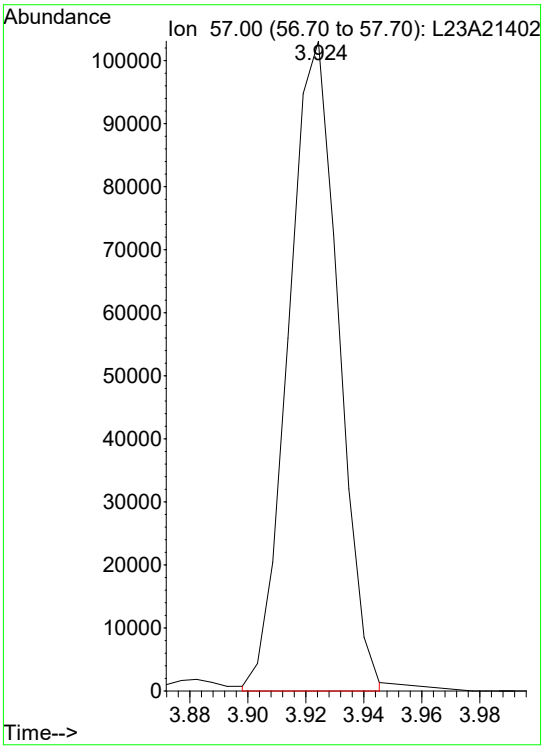
RT : 3.92
Area : 181959
Amount: 7.24595

Manual Int. Results

Thu Aug 03 11:38:39 2023

MIuser: CMR
Reason: Split Peak
RT : 3.92
Area : 123752
Amount: 4.92803

Manual Integration
HEPTANE



7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101689	Injection Date:	03/13/24
Lab Sample ID:	S101689-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromodichloromethane (SIM)	A	5.00	4.93	0.5743019	0.5663239		-1.4	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Carbon Tetrachloride (SIM)	A	5.00	4.52	0.5332034	0.4817557		-9.6	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.4446898	0.4076254		-8.3	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloroform (SIM)	A	5.00	5.58	1.412267	1.576388		11.6	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,1-Dichloroethane (SIM)	A	5.00	4.93	1.364703	1.346121		-1.4	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,2-Dichloroethane (SIM)	A	5.00	4.74	0.9344152	0.8853347		-5.3	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
1,1-Dichloroethylene (SIM)	A	5.00	5.10	1.12193	1.145583		2.1	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101689	Injection Date:	03/13/24
Lab Sample ID:	S101689-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
cis-1,2-Dichloroethylene (SIM)	A	5.00	5.29	0.9161508	0.9694027		5.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
trans-1,2-Dichloroethylene (SIM)	A	5.00	4.75	1.114117	1.058348		-5.0	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
1,2-Dichloropropane (SIM)	A	5.00	5.48	0.2591701	0.2839643		9.6	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
cis-1,3-Dichloropropene (SIM)	A	5.00	5.68	0.4009411	0.4550465		13.5	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30
trans-1,3-Dichloropropene (SIM)	A	5.00	4.52	0.3762266	0.3400083		-9.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101689	Injection Date:	03/13/24
Lab Sample ID:	S101689-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,2,2-Tetrachloroethane (SIM)	A	5.00	6.12	0.6792109	0.8308713		22.3	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
1,1,2-Trichloroethane (SIM)	A	5.00	5.84	0.311765	0.3641917		16.8	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichloroethylene (SIM)	A	5.00	5.07	0.3364263	0.3410011		1.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
Vinyl Chloride (SIM)	A	5.00	5.72	0.6696573	0.766035		14.4	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	206731	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	642665	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	571989	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227340	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	684948	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	631395	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	302248	7.677	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 96.00%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	321594	7.956	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	55644	5.284	PPBV	94
3) DICHLORODIFLUOROMETHANE	1.534	85	241072	5.276	PPBV	97
4) CHLOROMETHANE	1.575	50	80157	5.084	PPBV	99
5) FREON 114	1.601	85	254462	5.518	PPBV	97
6) VINYL CHLORIDE	1.632	62	104238	5.677	PPBV	98
7) 1,3-BUTADIENE	1.662	54	73935	5.191	PPBV	94
8) BROMOMETHANE	1.734	94	90138	5.529	PPBV	99
9) CHLOROETHANE	1.780	64	52668	4.950	PPBV	100
10) ACROLEIN	1.903	56	42641	5.198	PPBV	98
11) ACETONE	1.938	43	113744	3.922	PPBV	81
12) TRICHLOROFLUOROMETHANE	1.990	101	231874	4.939	PPBV	100
13) ETHANOL	1.811	45	20494	4.578	PPBV	99
14) 1,1-DICHLOROETHENE	2.175	61	149795	5.143	PPBV	92
15) METHYLENE CHLORIDE	2.207	49	100776	4.474	PPBV	81
16) FREON 113	2.297	101	202095	5.444	PPBV	94
17) CARBON DISULFIDE	2.302	76	294767	5.527	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	137865	4.729	PPBV	91
19) 1,1-DICHLOROETHANE	2.557	63	173442	4.819	PPBV	97
20) MTBE	2.588	73	255575	4.641	PPBV	95
21) IPA	2.015	45	143947	4.718	PPBV	95
22) 2-BUTANONE(MEK)	2.689	43	159051	4.455	PPBV	88
23) CIS-1,2-DICHLOROETHENE	2.816	61	126660	5.392	PPBV	88
24) VINYL ACETATE	2.610	43	207928m	5.498	PPBV	
25) HEXANE	2.896	41	78453	4.079	PPBV	80
26) ETHYL ACETATE	2.906	45	26475	4.286	PPBV	86
27) CHLOROFORM	2.912	83	209229	5.625	PPBV	99
28) TETRAHYDROFURAN	3.055	42	94847	4.028	PPBV	91
29) 1,2-DICHLOROETHANE	3.153	62	115964	4.592	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.245	97	191103	4.687	PPBV	96
32) BENZENE	3.400	78	308677	5.297	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	188745	4.598	PPBV	100
34) CYCLOHEXANE	3.501	84	120631	4.955	PPBV	86
35) 1,2-DICHLOROPROPANE	3.698	63	113820	5.445	PPBV	95
36) BROMODICHLOROMETHANE	3.765	83	225299	5.038	PPBV	100
37) TRICHLOROETHENE	3.785	95	135139	5.012	PPBV	95
38) 1,4-DIOXANE	3.800	88	69511	4.965	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	112636	5.543	PPBV #	78
40) HEPTANE	3.918	57	89765	4.886	PPBV	88
41) MIBK	4.147	58	96277	4.964	PPBV #	86
42) CIS-1,3-DICHLOROPROPENE	4.111	75	179773	5.648	PPBV	99

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

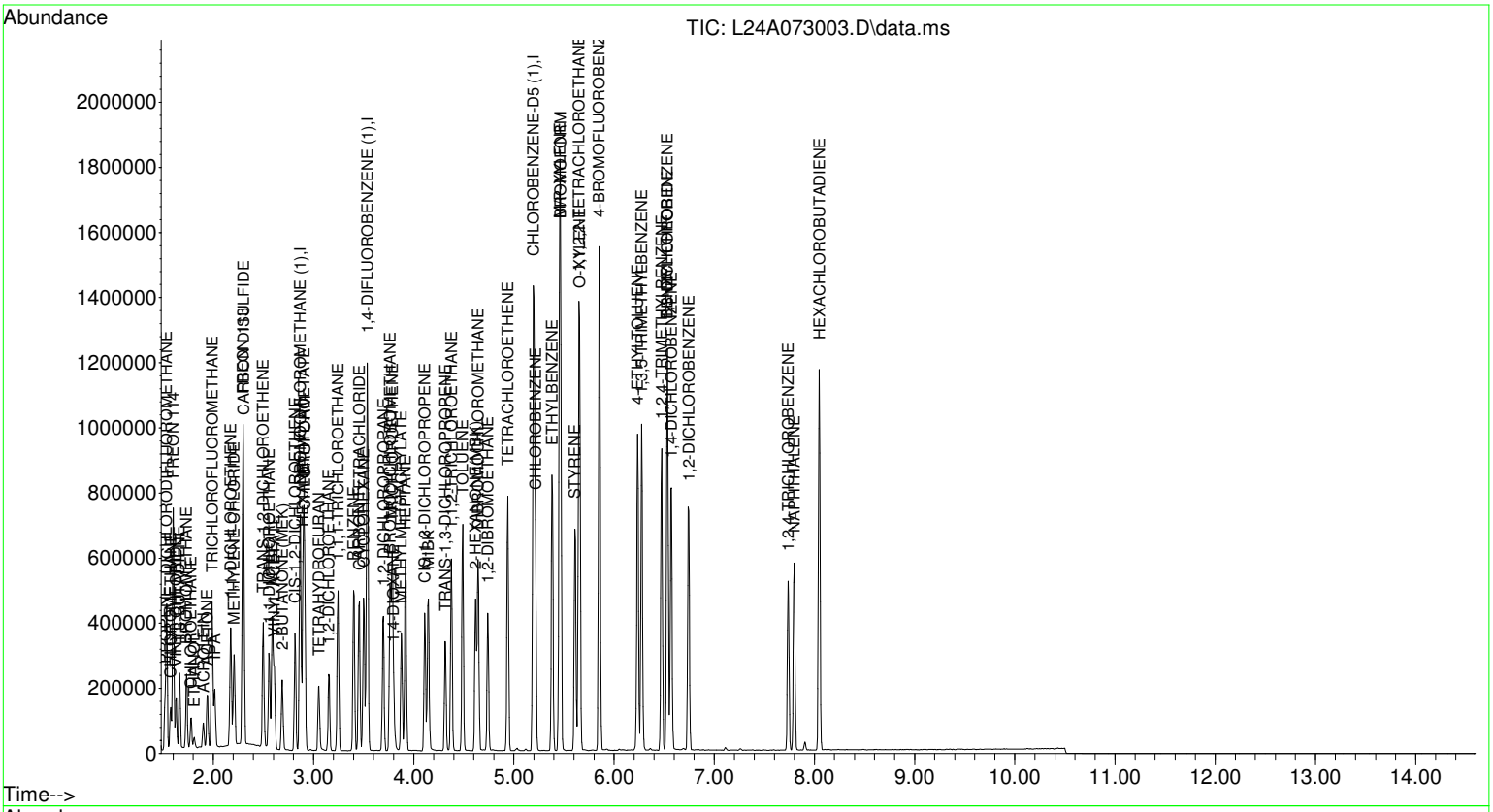
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

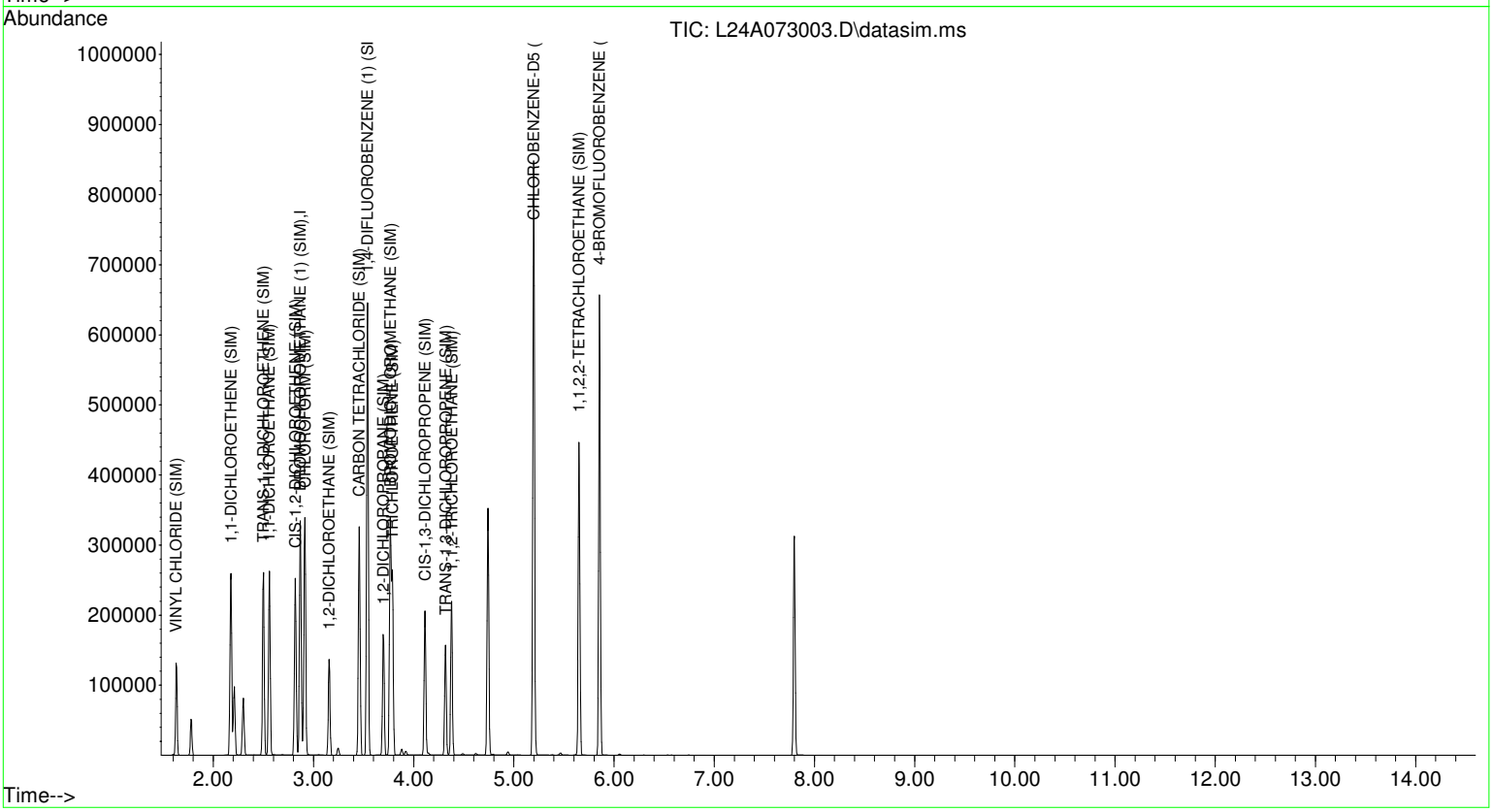
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	136350	4.818	PPBV	100
45) 1,1,2-TRICHLOROETHANE	4.377	97	131374	5.934	PPBV	98
46) TOLUENE	4.490	91	361693	5.390	PPBV	99
47) 2-HEXANONE(MBK)	4.617	43	201453	4.701	PPBV	94
48) DIBROMOCHLOROMETHANE	4.643	129	212280	5.260	PPBV	98
49) 1,2-DIBROMOETHANE	4.740	107	202449	5.578	PPBV	99
50) TETRACHLOROETHENE	4.939	166	154465	5.175	PPBV	99
51) CHLOROBENZENE	5.216	112	287200	5.564	PPBV	97
52) ETHYLBENZENE	5.381	91	464360	5.518	PPBV	100
53) M/P-XYLENE	5.460	91	763410	10.994	PPBV	97
54) BROMOFORM	5.465	173	185065	5.254	PPBV	99
55) STYRENE	5.609	104	269535	5.643	PPBV	93
56) O-XYLENE	5.656	91	372087	5.449	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.651	83	307166	6.282	PPBV	97
59) 4-ETHYLTOLUENE	6.235	105	483895	5.427	PPBV	99
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	409159	5.423	PPBV	98
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	400872	5.490	PPBV	99
62) 1,3-DICHLOROBENZENE	6.532	146	261157	5.828	PPBV	99
63) BENZYL CHLORIDE	6.532	91	217540	4.667	PPBV	99
64) 1,4-DICHLOROBENZENE	6.573	146	249333	6.011	PPBV	98
65) 1,2-DICHLOROBENZENE	6.746	146	240970	5.406	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.737	180	119595	4.529	PPBV	97
67) NAPHTHALENE	7.798	128	336665	4.933	PPBV	98
68) HEXACHLOROBUTADIENE	8.048	225	147063	4.325	PPBV	100
70] VINYL CHLORIDE (SIM)	1.629	62	108844	5.720	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	162773	5.105	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.501	61	150378	4.750	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	191267	4.932	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.819	61	137740	5.291	PPBV	88
75] CHLOROFORM (SIM)	2.915	83	223985	5.581	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	125795	4.737	PPBV	100
78] CARBON TETRACHLORIDE (...	3.456	117	206236	4.518	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	121563	5.478	PPBV	99
80] BROMODICHLOROMETHANE (...	3.767	83	242439	4.931	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	145980	5.068	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	194802	5.675	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145555	4.519	PPBV	96
85] 1,1,2-TRICHLOROETHANE ...	4.380	97	143718	5.841	PPBV	99
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	327880	6.116	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

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Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

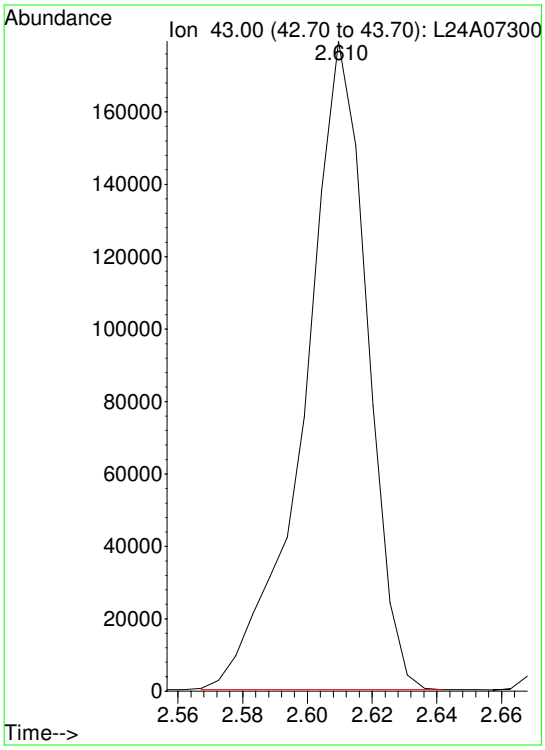




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Data File : L24A073003.D
Acq On : 13 Mar 2024 10:26 am
Operator : CMR
Sample : 5.0PPBV CCV
Misc : CTWS-4166-2059 03/19

Quant Time : Thu Mar 14 15:35:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

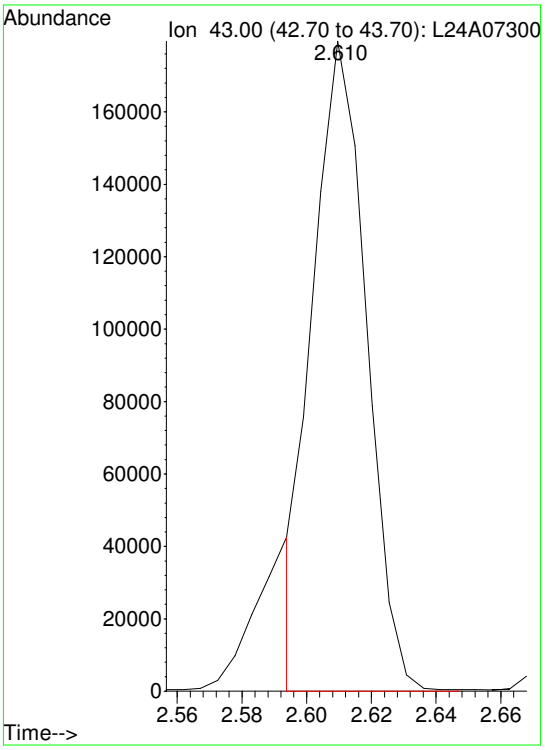
RT : 2.61
Area : 240355
Amount: 6.35525

Manual Int. Results

Thu Mar 14 15:35:33 2024

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 207928
Amount: 5.49785

Manual Integration
VINYL ACETATE



7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101690	Injection Date:	03/13/24
Lab Sample ID:	S101690-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.122255	0.8803247		-21.6	30
Benzene	A	5.00	5.30	0.7254293	0.7684924		5.9	30
Benzyl chloride	A	5.00	4.67	0.65192	0.6085152		-6.7	30
Bromodichloromethane	A	5.00	5.04	0.5567047	0.5609118		0.8	30
Bromoform	A	5.00	5.25	0.4926101	0.5176743		5.1	30
Bromomethane	A	5.00	5.53	0.6308676	0.6976254		10.6	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5722219		3.8	30
2-Butanone (MEK)	A	5.00	4.46	1.381604	1.230979		-10.9	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281357		10.5	30
Carbon Tetrachloride	A	5.00	4.60	0.5110368	0.4699058		-8.0	30
Chlorobenzene	A	5.00	5.56	0.7219812	0.8033721		11.3	30
Chloroethane	A	5.00	4.95	0.411751	0.4076254		-1.0	30
Chloroform	A	5.00	5.62	1.439332	1.619333		12.5	30
Chloromethane	A	5.00	5.08	0.6101459	0.6203772		1.7	30
Cyclohexane	A	5.00	4.96	0.3030286	0.3003269		-0.9	30
Dibromochloromethane	A	5.00	5.26	0.5644122	0.5938016		5.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.58	0.5076449	0.5663018		11.6	30
1,2-Dichlorobenzene	A	5.00	5.41	0.6234765	0.6740549		8.1	30
1,3-Dichlorobenzene	A	5.00	5.83	0.6267236	0.7305231		16.6	30
1,4-Dichlorobenzene	A	5.00	6.01	0.5801365	0.6974484		20.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.28	1.768079	1.865783		5.5	30
1,1-Dichloroethane	A	5.00	4.82	1.392824	1.342359		-3.6	30
1,2-Dichloroethane	A	5.00	4.59	0.9772927	0.8975064		-8.2	30
1,1-Dichloroethylene	A	5.00	5.14	1.127187	1.159342		2.9	30
cis-1,2-Dichloroethylene	A	5.00	5.39	0.908952	0.9802884		7.8	30
trans-1,2-Dichloroethylene	A	5.00	4.73	1.128232	1.06701		-5.4	30
1,2-Dichloropropane	A	5.00	5.44	0.2601948	0.28337		8.9	30
cis-1,3-Dichloropropene	A	5.00	5.65	0.3962271	0.4475688		13.0	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.3522842	0.3394615		-3.6	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101690	Injection Date:	03/13/24
Lab Sample ID:	S101690-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.52	1.784687	1.969415		10.4	30
1,4-Dioxane	A	5.00	4.96	0.1742852	0.1730569		-0.7	30
Ethanol	A	5.00	4.58	0.1732414	0.1586139		-8.4	30
Ethyl Acetate	A	5.00	4.29	0.2390169	0.204904		-14.3	30
Ethylbenzene	A	5.00	5.52	1.176902	1.298934		10.4	30
4-Ethyltoluene	A	5.00	5.43	1.247069	1.353578		8.5	30
Heptane	A	5.00	4.89	0.2286847	0.2234819		-2.3	30
Hexachlorobutadiene	A	5.00	4.32	0.4755616	0.4113729		-13.5	30
Hexane	A	5.00	4.08	0.7442178	0.6071891		-18.4	30
2-Hexanone (MBK)	A	5.00	4.70	0.5993899	0.5635157		-6.0	30
Isopropanol	A	5.00	4.72	1.180699	1.114082		-5.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	2.130891	1.978029		-7.2	30
Methylene Chloride	A	5.00	4.47	0.8716214	0.7799585		-10.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.96	0.2414371	0.2396944		-0.7	30
Naphthalene	A	5.00	4.93	0.954618	0.9417384		-1.3	30
Propene	A	5.00	5.28	0.4075236	0.4306582		5.7	30
Styrene	A	5.00	5.64	0.6680173	0.7539586		12.9	30
1,1,2,2-Tetrachloroethane	A	5.00	6.28	0.6838293	0.8592221		25.6	30
Tetrachloroethylene	A	5.00	5.18	0.4174566	0.4320782		3.5	30
Tetrahydrofuran	A	5.00	4.03	0.9111963	0.7340708		-19.4	30
Toluene	A	5.00	5.39	0.9385805	1.011748		7.8	30
1,2,4-Trichlorobenzene	A	5.00	4.53	0.3693275	0.3345379		-9.4	30
1,1,1-Trichloroethane	A	5.00	4.69	0.5075792	0.4757763		-6.3	30
1,1,2-Trichloroethane	A	5.00	5.93	0.309655	0.3674868		18.7	30
Trichloroethylene	A	5.00	5.01	0.3356598	0.3364465		0.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.94	1.816743	1.794595		-1.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.44	1.436582	1.56412		8.9	30
1,2,4-Trimethylbenzene	A	5.00	5.49	1.021302	1.121342		9.8	30

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Instrument ID:	SYSL	Calibration:	2300941
Lab File ID:	L24A073003.D	Calibration Date:	08/02/23 16:08
Sequence:	S101690	Injection Date:	03/13/24
Lab Sample ID:	S101690-CCV1	Injection Time:	10:26

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trimethylbenzene	A	5.00	5.42	1.055296	1.144523		8.5	30
Vinyl Acetate	A	5.00	5.50	1.463541	1.609264		10.0	30
Vinyl Chloride	A	5.00	5.68	0.7105757	0.8067527		13.5	30
m&p-Xylene	A	10.0	11.0	0.9711506	1.067727		9.9	30
o-Xylene	A	5.00	5.45	0.9550518	1.040823		9.0	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	206731	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	642665	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.195	117	571989	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227340	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	684948	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.198	117	631395	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	302248	7.677	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 96.00%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	321594	7.956	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	55644	5.284	PPBV	94
3) DICHLORODIFLUOROMETHANE	1.534	85	241072	5.276	PPBV	97
4) CHLOROMETHANE	1.575	50	80157	5.084	PPBV	99
5) FREON 114	1.601	85	254462	5.518	PPBV	97
6) VINYL CHLORIDE	1.632	62	104238	5.677	PPBV	98
7) 1,3-BUTADIENE	1.662	54	73935	5.191	PPBV	94
8) BROMOMETHANE	1.734	94	90138	5.529	PPBV	99
9) CHLOROETHANE	1.780	64	52668	4.950	PPBV	100
10) ACROLEIN	1.903	56	42641	5.198	PPBV	98
11) ACETONE	1.938	43	113744	3.922	PPBV	81
12) TRICHLOROFLUOROMETHANE	1.990	101	231874	4.939	PPBV	100
13) ETHANOL	1.811	45	20494	4.578	PPBV	99
14) 1,1-DICHLOROETHENE	2.175	61	149795	5.143	PPBV	92
15) METHYLENE CHLORIDE	2.207	49	100776	4.474	PPBV	81
16) FREON 113	2.297	101	202095	5.444	PPBV	94
17) CARBON DISULFIDE	2.302	76	294767	5.527	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	137865	4.729	PPBV	91
19) 1,1-DICHLOROETHANE	2.557	63	173442	4.819	PPBV	97
20) MTBE	2.588	73	255575	4.641	PPBV	95
21) IPA	2.015	45	143947	4.718	PPBV	95
22) 2-BUTANONE(MEK)	2.689	43	159051	4.455	PPBV	88
23) CIS-1,2-DICHLOROETHENE	2.816	61	126660	5.392	PPBV	88
24) VINYL ACETATE	2.610	43	207928m	5.498	PPBV	
25) HEXANE	2.896	41	78453	4.079	PPBV	80
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31) 1,1,1-TRICHLOROETHANE	3.245	97	191103	4.687	PPBV	96
32) BENZENE	3.400	78	308677	5.297	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	188745	4.598	PPBV	100
34) CYCLOHEXANE	3.501	84	120631	4.955	PPBV	86
35) 1,2-DICHLOROPROPANE	3.698	63	113820	5.445	PPBV	95
36) BROMODICHLOROMETHANE	3.765	83	225299	5.038	PPBV	100
37) TRICHLOROETHENE	3.785	95	135139	5.012	PPBV	95
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Acq On : 13 Mar 2024 10:26 am Operator: CMR
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Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

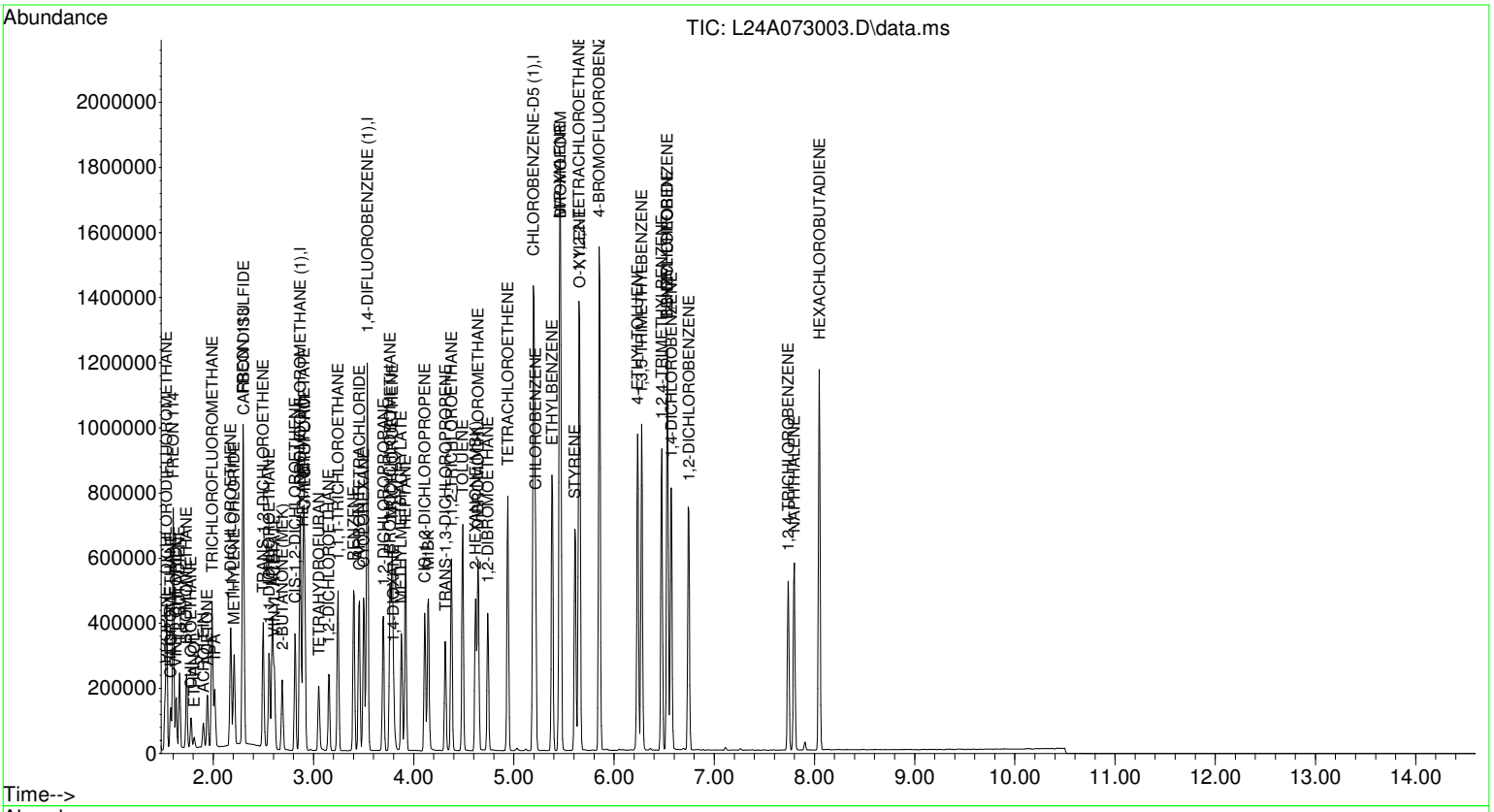
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

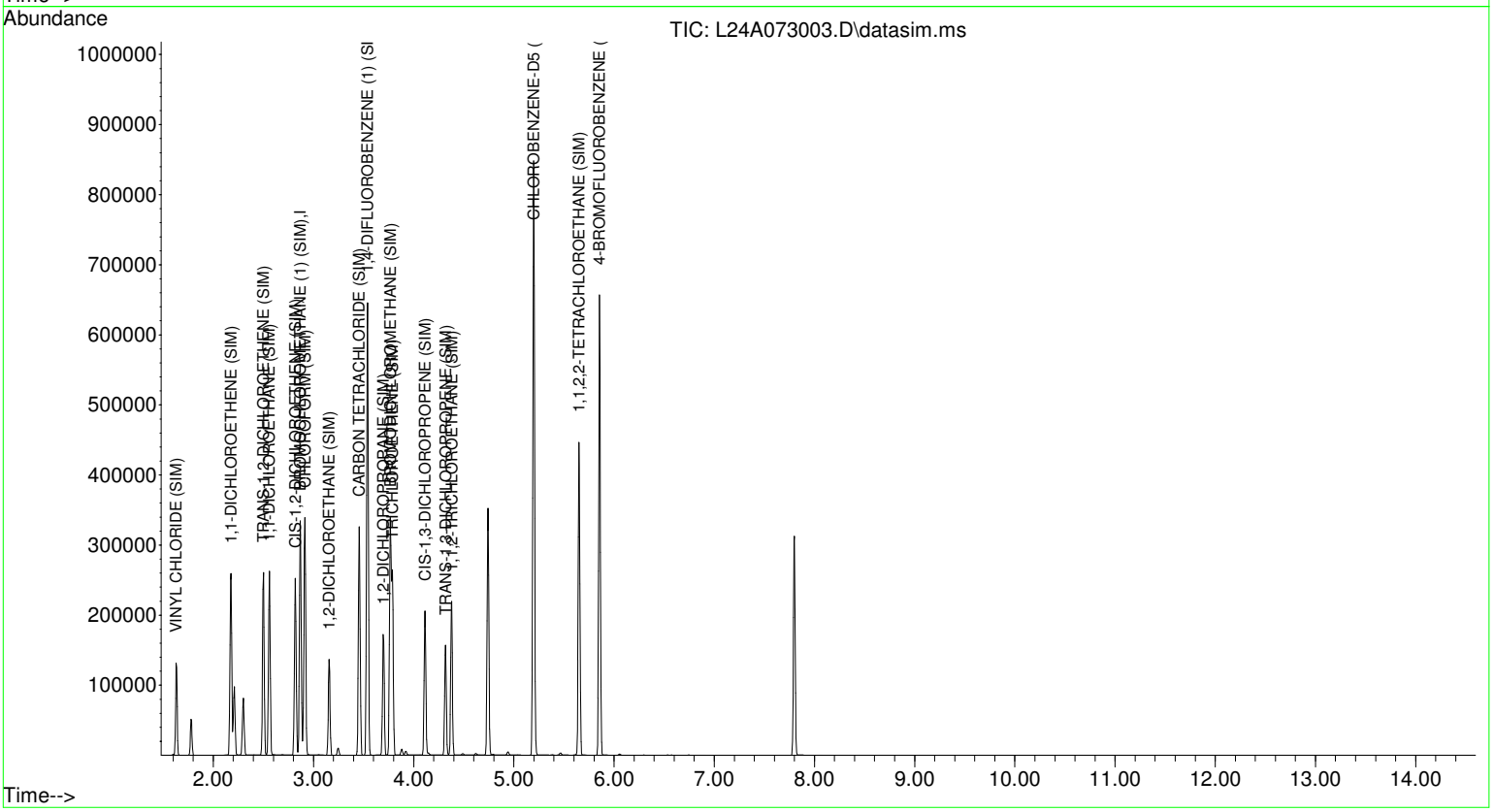
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	136350	4.818	PPBV	100
45) 1,1,2-TRICHLOROETHANE	4.377	97	131374	5.934	PPBV	98
46) TOLUENE	4.490	91	361693	5.390	PPBV	99
47) 2-HEXANONE(MBK)	4.617	43	201453	4.701	PPBV	94
48) DIBROMOCHLOROMETHANE	4.643	129	212280	5.260	PPBV	98
49) 1,2-DIBROMOETHANE	4.740	107	202449	5.578	PPBV	99
50) TETRACHLOROETHENE	4.939	166	154465	5.175	PPBV	99
51) CHLOROBENZENE	5.216	112	287200	5.564	PPBV	97
52) ETHYLBENZENE	5.381	91	464360	5.518	PPBV	100
53) M/P-XYLENE	5.460	91	763410	10.994	PPBV	97
54) BROMOFORM	5.465	173	185065	5.254	PPBV	99
55) STYRENE	5.609	104	269535	5.643	PPBV	93
56) O-XYLENE	5.656	91	372087	5.449	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.651	83	307166	6.282	PPBV	97
59) 4-ETHYLTOLUENE	6.235	105	483895	5.427	PPBV	99
60) 1,3,5-TRIMETHYLBENZENE	6.276	105	409159	5.423	PPBV	98
61) 1,2,4-TRIMETHYLBENZENE	6.475	105	400872	5.490	PPBV	99
62) 1,3-DICHLOROBENZENE	6.532	146	261157	5.828	PPBV	99
63) BENZYL CHLORIDE	6.532	91	217540	4.667	PPBV	99
64) 1,4-DICHLOROBENZENE	6.573	146	249333	6.011	PPBV	98
65) 1,2-DICHLOROBENZENE	6.746	146	240970	5.406	PPBV	98
66) 1,2,4-TRICHLOROBENZENE	7.737	180	119595	4.529	PPBV	97
67) NAPHTHALENE	7.798	128	336665	4.933	PPBV	98
68) HEXACHLOROBUTADIENE	8.048	225	147063	4.325	PPBV	100
70] VINYL CHLORIDE (SIM)	1.629	62	108844	5.720	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.178	61	162773	5.105	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.501	61	150378	4.750	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.560	63	191267	4.932	PPBV	100
74] CIS-1,2-DICHLOROETHENE...	2.819	61	137740	5.291	PPBV	88
75] CHLOROFORM (SIM)	2.915	83	223985	5.581	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	125795	4.737	PPBV	100
78] CARBON TETRACHLORIDE (...	3.456	117	206236	4.518	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	121563	5.478	PPBV	99
80] BROMODICHLOROMETHANE (...	3.767	83	242439	4.931	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	145980	5.068	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	194802	5.675	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145555	4.519	PPBV	96
85] 1,1,2-TRICHLOROETHANE ...	4.380	97	143718	5.841	PPBV	99
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	327880	6.116	PPBV	99

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073003.D Vial: 2
Acq On : 13 Mar 2024 10:26 am Operator: CMR
Sample : 5.0PPBV CCV Inst : SYSL
Misc : CTWS-4166-2059 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:35:14 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073003.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

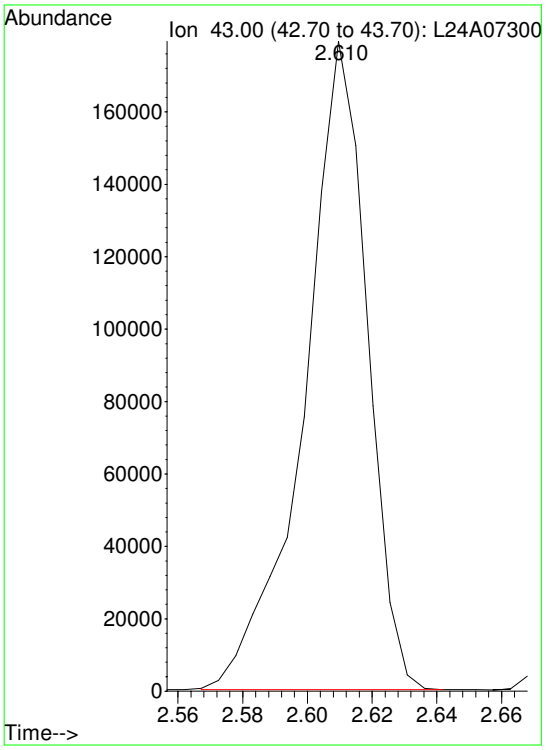




Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073003.D
Acq On : 13 Mar 2024 10:26 am
Operator : CMR
Sample : 5.0PPBV CCV
Misc : CTWS-4166-2059 03/19

Quant Time : Thu Mar 14 15:35:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

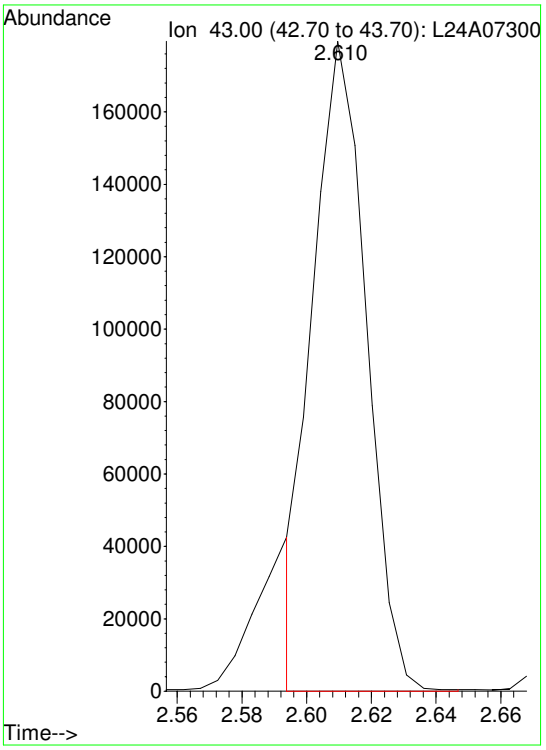
RT : 2.61
Area : 240355
Amount: 6.35525

Manual Int. Results

Thu Mar 14 15:35:33 2024

MIuser: CMR
Reason: Split Peak
RT : 2.61
Area : 207928
Amount: 5.49785

Manual Integration
VINYL ACETATE



8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101689	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101689-CCV1)			*Lab File ID: L24A073003.D*			*Analyzed: 03/13/24 10:26*			
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
Bromochloromethane (1) (SIM)	227340	2.867				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
1,4-Difluorobenzene (1) (SIM)	684948	3.541				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
Chlorobenzene-d5 (1) (SIM)	631395	5.198				60 - 140		+/-0.50	
LCS (B368535-BS1)			*Lab File ID: L24A073025.D*			*Analyzed: 03/13/24 22:21*			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	227114	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	675850	3.541	684948	3.541	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	620321	5.199	631395	5.198	98	60 - 140	0.0010	+/-0.50	
Blank (B368535-BLK1)			*Lab File ID: L24A073028.D*			*Analyzed: 03/13/24 23:50*			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1) (SIM)	227549	2.866	227340	2.867	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	638847	3.539	684948	3.541	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	600871	5.196	631395	5.198	95	60 - 140	-0.0020	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101689	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
5AVE-IA-3-28022024 (24C0251-04)			*Lab File ID: L24A073030.D*			*Analyzed: 03/14/24 00:50*			
Bromochloromethane (1)	206552	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	206552	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	226413	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	616029	3.537	642665	3.538	96	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	616029	3.537	642665	3.538	96	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	656919	3.54	684948	3.541	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	573033	5.196	571989	5.195	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	573033	5.196	571989	5.195	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627423	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	
5AVE-IA-2-28022024 (24C0251-06)			*Lab File ID: L24A073031.D*			*Analyzed: 03/14/24 01:23*			
Bromochloromethane (1)	203914	2.869	206731	2.869	99	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	203914	2.869	206731	2.869	99	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225897	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	614929	3.538	642665	3.538	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	614929	3.538	642665	3.538	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	655387	3.541	684948	3.541	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	579324	5.196	571989	5.195	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	579324	5.196	571989	5.195	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	646489	5.199	631395	5.198	102	60 - 140	0.0010	+/-0.50	
5AVE-IA-1-28022024 (24C0251-08)			*Lab File ID: L24A073032.D*			*Analyzed: 03/14/24 01:56*			
Bromochloromethane (1)	206000	2.864	206731	2.869	100	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1)	206000	2.864	206731	2.869	100	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	227833	2.867	227340	2.867	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	626319	3.538	642665	3.538	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	626319	3.538	642665	3.538	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	668036	3.536	684948	3.541	98	60 - 140	-0.0050	+/-0.50	
Chlorobenzene-d5 (1)	568987	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	568987	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	627320	5.199	631395	5.198	99	60 - 140	0.0010	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101689	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
5AVE-OA-1-28022024 (24C0251-09)			*Lab File ID: L24A073033.D*			*Analyzed: 03/14/24 02:29*			
Bromochloromethane (1)	208377	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	208377	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1) (SIM)	225088	2.867	227340	2.867	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	607165	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	607165	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	646656	3.54	684948	3.541	94	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	547385	5.194	571989	5.195	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	547385	5.194	571989	5.195	96	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	603912	5.197	631395	5.198	96	60 - 140	-0.0010	+/-0.50	
IA-DUP-28022024 (24C0251-11)			*Lab File ID: L24A073034.D*			*Analyzed: 03/14/24 03:03*			
Bromochloromethane (1)	204351	2.864	206731	2.869	99	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1)	204351	2.864	206731	2.869	99	60 - 140	-0.0050	+/-0.50	
Bromochloromethane (1) (SIM)	221959	2.866	227340	2.867	98	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	606534	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	606534	3.537	642665	3.538	94	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1) (SIM)	647380	3.54	684948	3.541	95	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	572039	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	572039	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1) (SIM)	634361	5.198	631395	5.198	100	60 - 140	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101690	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101690-CCV1)			*Lab File ID: L24A073003.D*			*Analyzed: 03/13/24 10:26*			
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
Bromochloromethane (1)	206731	2.869				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	642665	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	571989	5.195				60 - 140		+/-0.50	
LCS (B368536-BS1)			*Lab File ID: L24A073025.D*			*Analyzed: 03/13/24 22:21*			
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	207683	2.869	206731	2.869	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	632479	3.538	642665	3.538	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	564467	5.196	571989	5.195	99	60 - 140	0.0010	+/-0.50	
Blank (B368536-BLK1)			*Lab File ID: L24A073028.D*			*Analyzed: 03/13/24 23:50*			
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
Bromochloromethane (1)	207505	2.868	206731	2.869	100	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	595987	3.536	642665	3.538	93	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	544815	5.198	571989	5.195	95	60 - 140	0.0030	+/-0.50	
SSV-DUP-28022024 (24C0251-10)			*Lab File ID: L24A073035.D*			*Analyzed: 03/14/24 03:31*			
Bromochloromethane (1)	212153	2.869	206731	2.869	103	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	212153	2.869	206731	2.869	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	641467	3.543	642665	3.538	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	641467	3.543	642665	3.538	100	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	583657	5.195	571989	5.195	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	583657	5.195	571989	5.195	102	60 - 140	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101690	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (B368536-DUP1)			*Lab File ID: L24A073036.D*			*Analyzed: 03/14/24 03:59*			
Bromochloromethane (1)	208764	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
Bromochloromethane (1)	208764	2.869	206731	2.869	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	629868	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	629868	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	563581	5.194	571989	5.195	99	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	563581	5.194	571989	5.195	99	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-1-28022024 (24C0251-07)			*Lab File ID: L24A073037.D*			*Analyzed: 03/14/24 04:27*			
Bromochloromethane (1)	200252	2.874	206731	2.869	97	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	200252	2.874	206731	2.869	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	623344	3.542	642665	3.538	97	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	623344	3.542	642665	3.538	97	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	565705	5.2	571989	5.195	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	565705	5.2	571989	5.195	99	60 - 140	0.0050	+/-0.50	
5AVE-SSV-2-28022024 (24C0251-05)			*Lab File ID: L24A073038.D*			*Analyzed: 03/14/24 04:55*			
Bromochloromethane (1)	203097	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	203097	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	598684	3.543	642665	3.538	93	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	598684	3.543	642665	3.538	93	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	560669	5.194	571989	5.195	98	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	560669	5.194	571989	5.195	98	60 - 140	-0.0010	+/-0.50	
5AVE-SSV-3-28022024 (24C0251-03)			*Lab File ID: L24A073039.D*			*Analyzed: 03/14/24 05:23*			
Bromochloromethane (1)	211262	2.875	206731	2.869	102	60 - 140	0.0060	+/-0.50	
Bromochloromethane (1)	211262	2.875	206731	2.869	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	631009	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	631009	3.543	642665	3.538	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	577545	5.2	571989	5.195	101	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	577545	5.2	571989	5.195	101	60 - 140	0.0050	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	DW_South Shore Outdoor (AIR)
Sequence:	S101690	Instrument:	SYSL
		Calibration:	2300941

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CVS-SV-1-28022024 (24C0251-02)			*Lab File ID: L24A073040.D*			*Analyzed: 03/14/24 05:51*			
Bromochloromethane (1)	205775	2.874	206731	2.869	100	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	205775	2.874	206731	2.869	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	608703	3.542	642665	3.538	95	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	608703	3.542	642665	3.538	95	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	570925	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	570925	5.195	571989	5.195	100	60 - 140	0.0000	+/-0.50	
CVS-SV-2-28022024 (24C0251-01)			*Lab File ID: L24A073041.D*			*Analyzed: 03/14/24 06:19*			
Bromochloromethane (1)	204167	2.874	206731	2.869	99	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	204167	2.874	206731	2.869	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	634222	3.543	642665	3.538	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	634222	3.543	642665	3.538	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	582694	5.2	571989	5.195	102	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	582694	5.2	571989	5.195	102	60 - 140	0.0050	+/-0.50	
CVS-SV-2-28022024 (24C0251-01RE1)			*Lab File ID: L24A073042.D*			*Analyzed: 03/14/24 06:46*			
Bromochloromethane (1)	202504	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
Bromochloromethane (1)	202504	2.874	206731	2.869	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	620519	3.548	642665	3.538	97	60 - 140	0.0100	+/-0.50	
1,4-Difluorobenzene (1)	620519	3.548	642665	3.538	97	60 - 140	0.0100	+/-0.50	
Chlorobenzene-d5 (1)	564269	5.199	571989	5.195	99	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	564269	5.199	571989	5.195	99	60 - 140	0.0040	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		0.70	1.4	
71-43-2	Benzene		0.011	0.034	
100-44-7	Benzyl chloride		0.019	0.034	
75-27-4	Bromodichloromethane		0.014	0.034	
75-27-4	Bromodichloromethane (SIM)		0.0019	0.0069	
75-25-2	Bromoform		0.012	0.034	
74-83-9	Bromomethane		0.029	0.034	
106-99-0	1,3-Butadiene		0.029	0.034	
78-93-3	2-Butanone (MEK)		0.67	1.4	
75-15-0	Carbon Disulfide		0.066	0.34	
56-23-5	Carbon Tetrachloride		0.027	0.034	
56-23-5	Carbon Tetrachloride (SIM)		0.0014	0.0069	
108-90-7	Chlorobenzene		0.011	0.034	
75-00-3	Chloroethane		0.032	0.034	
67-66-3	Chloroform		0.017	0.034	
67-66-3	Chloroform (SIM)		0.0018	0.0069	
74-87-3	Chloromethane		0.046	0.069	
110-82-7	Cyclohexane		0.027	0.034	
124-48-1	Dibromochloromethane		0.023	0.034	
106-93-4	1,2-Dibromoethane (EDB)		0.021	0.034	
95-50-1	1,2-Dichlorobenzene		0.012	0.034	
541-73-1	1,3-Dichlorobenzene		0.013	0.034	
106-46-7	1,4-Dichlorobenzene		0.017	0.034	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.014	0.034	
75-34-3	1,1-Dichloroethane		0.017	0.034	
75-34-3	1,1-Dichloroethane (SIM)		0.0023	0.0069	
107-06-2	1,2-Dichloroethane		0.013	0.034	
107-62-2	1,2-Dichloroethane (SIM)		0.0014	0.0069	
75-35-4	1,1-Dichloroethylene		0.024	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
75-35-4	1,1-Dichloroethylene (SIM)		0.0013	0.0069	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.034	
156-59-2	cis-1,2-Dichloroethylene (SIM)		0.0017	0.0069	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.034	
156-60-5	trans-1,2-Dichloroethylene (SIM)		0.0017	0.0069	
78-87-5	1,2-Dichloropropane		0.026	0.034	
78-87-5	1,2-Dichloropropane (SIM)		0.0014	0.0069	
10061-01-5	cis-1,3-Dichloropropene		0.017	0.034	
10061-01-5	cis-1,3-Dichloropropene (SIM)		0.0022	0.0069	
10061-02-6	trans-1,3-Dichloropropene		0.033	0.034	
10061-02-6	trans-1,3-Dichloropropene (SIM)		0.0047	0.0069	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.034	
123-91-1	1,4-Dioxane		0.17	0.34	
64-17-5	Ethanol		0.91	1.4	
141-78-6	Ethyl Acetate		0.14	0.34	
100-41-4	Ethylbenzene		0.012	0.034	
622-96-8	4-Ethyltoluene		0.015	0.034	
142-82-5	Heptane		0.022	0.034	
87-68-3	Hexachlorobutadiene		0.020	0.034	
110-54-3	Hexane		0.72	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.034	
67-63-0	Isopropanol		0.72	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.034	
75-09-2	Methylene Chloride		0.093	0.34	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.034	
91-20-3	Naphthalene		0.028	0.034	
115-07-1	Propene		0.76	1.4	
100-42-5	Styrene		0.027	0.034	
79-34-5	1,1,2,2-Tetrachloroethane		0.0085	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane (SIM)		0.0013	0.0069	
127-18-4	Tetrachloroethylene		0.030	0.034	
109-99-9	Tetrahydrofuran		0.13	0.34	
108-88-3	Toluene		0.017	0.034	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.034	
71-55-6	1,1,1-Trichloroethane		0.011	0.034	
79-00-5	1,1,2-Trichloroethane		0.012	0.034	
79-00-5	1,1,2-Trichloroethane (SIM)		0.00088	0.0069	
79-01-6	Trichloroethylene		0.026	0.034	
79-01-6	Trichloroethylene (SIM)		0.0022	0.0069	
75-69-4	Trichlorofluoromethane (Freon 11)		0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0094	0.14	
95-63-6	1,2,4-Trimethylbenzene		0.021	0.034	
108-67-8	1,3,5-Trimethylbenzene		0.026	0.034	
108-05-4	Vinyl Acetate		0.14	0.69	
75-01-4	Vinyl Chloride		0.018	0.034	
75-01-4	Vinyl Chloride (SIM)		0.0019	0.0069	
179601-23-1	m&p-Xylene		0.024	0.069	
95-47-6	o-Xylene		0.013	0.034	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

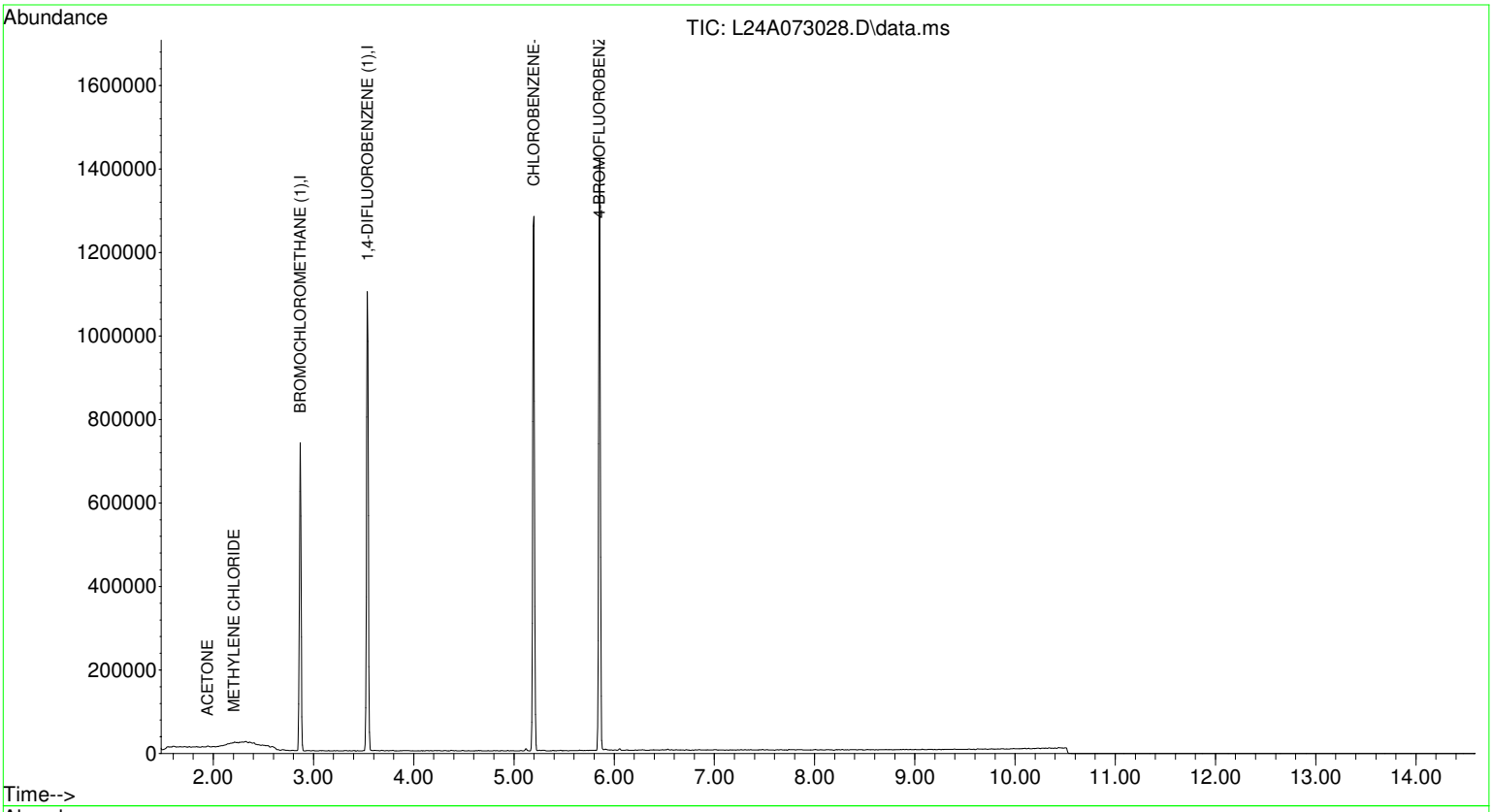
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

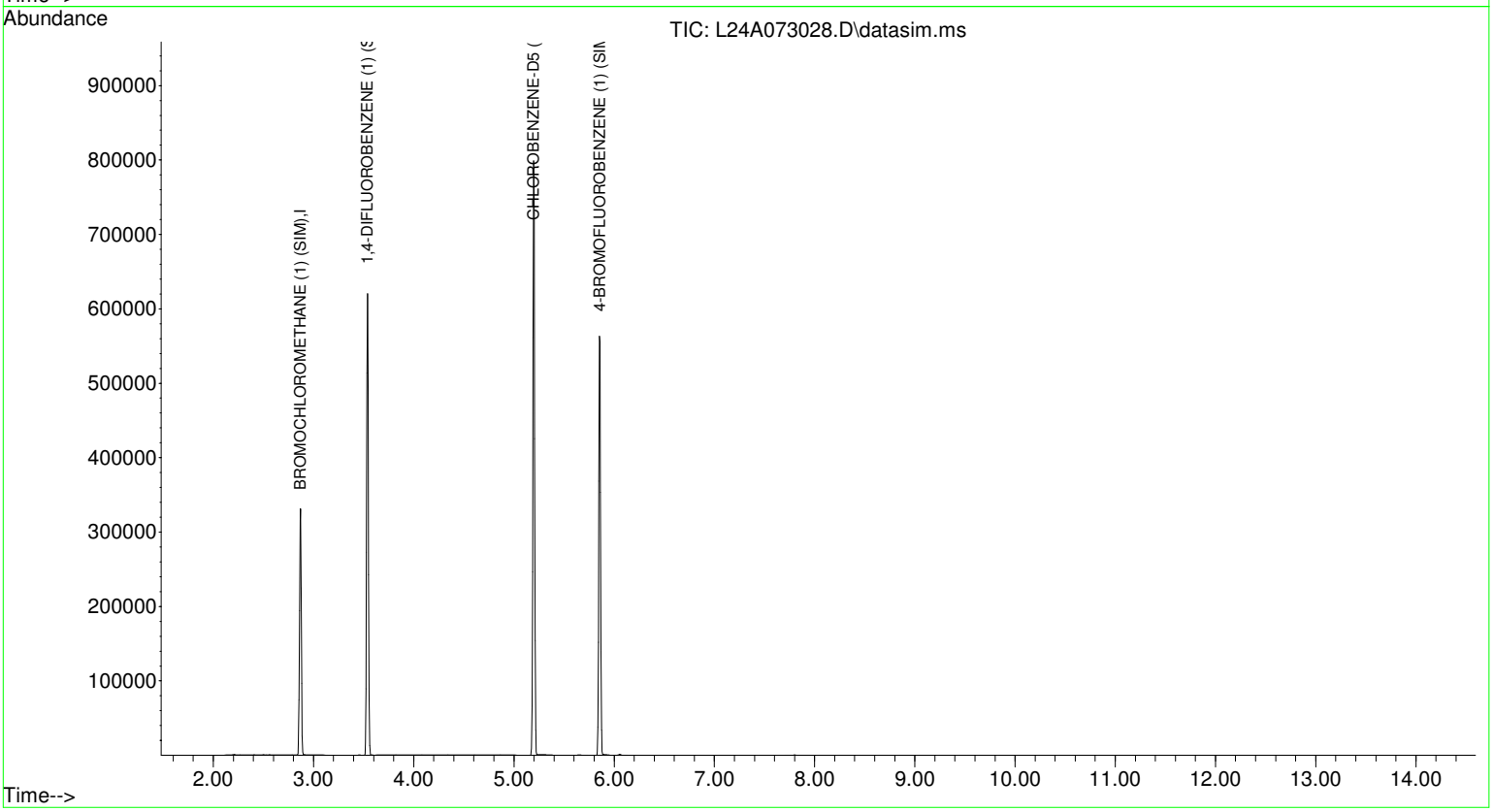
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.868	49	207505	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.536	114	595987	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.198	117	544815	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.866	49	227549	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.539	114	638847	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.196	117	600871	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	273048	7.281	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 91.00%			
87) 4-BROMOFLUOROBENZENE (...	5.857	174	286715	7.453	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.13%			
Target Compounds						Qvalue
11) ACETONE	1.943	43	956	0.033	PPBV	83
15) METHYLENE CHLORIDE	2.206	49	586	0.026	PPBV #	47

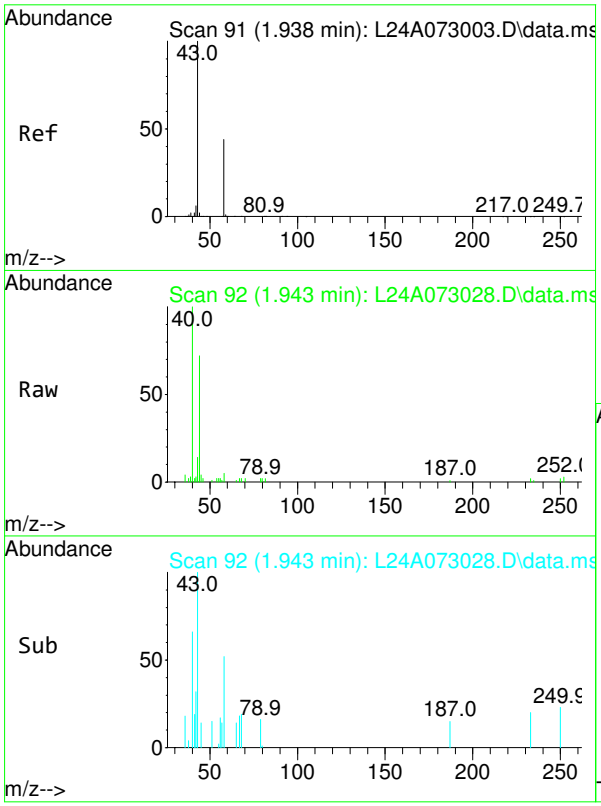
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



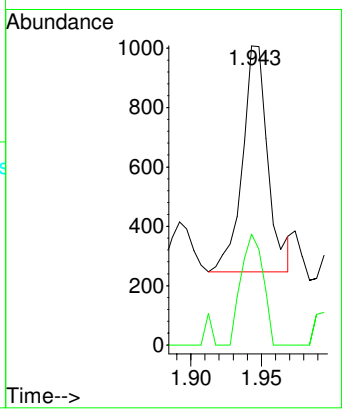


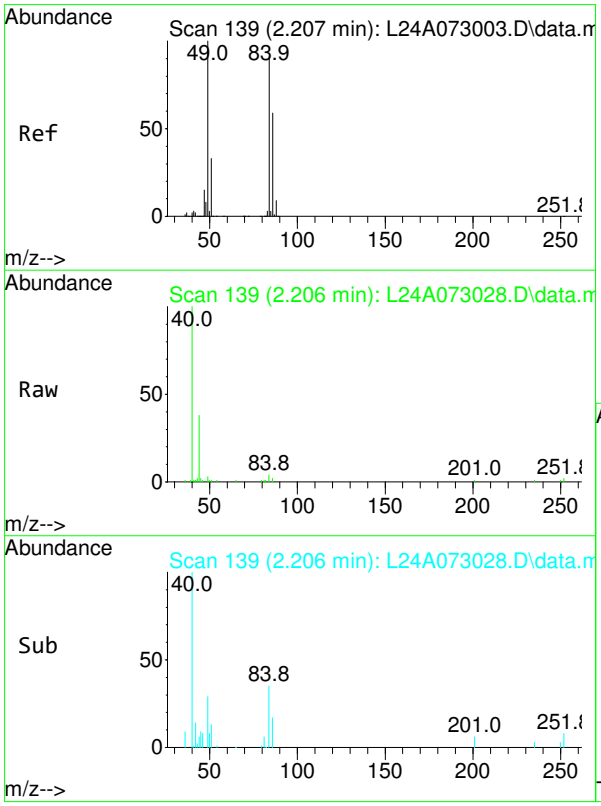


#11
ACETONE
Concen: 0.03 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 43 Resp: 956

Ion	Ratio	Lower	Upper
43	100		
58	42.9	13.1	53.1

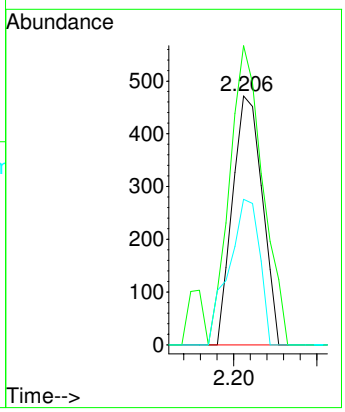




#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 49 Resp: 586

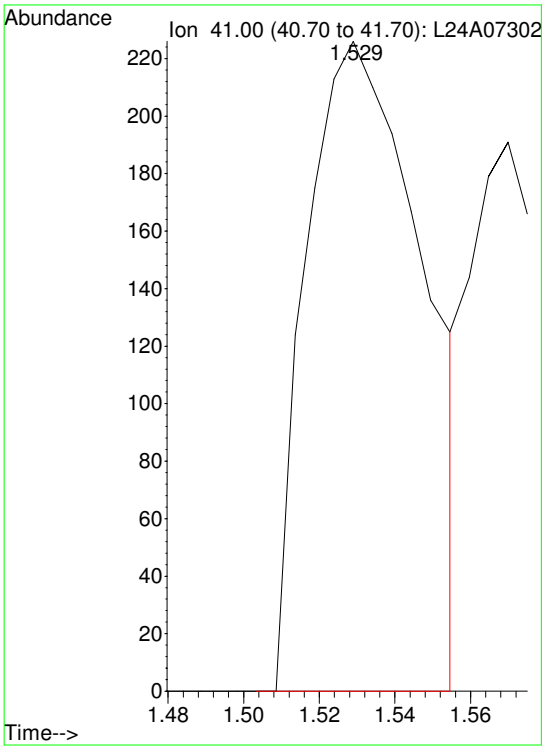
Ion	Ratio	Lower	Upper
49	100		
84	134.6	52.0	92.0#
86	60.4	27.3	67.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

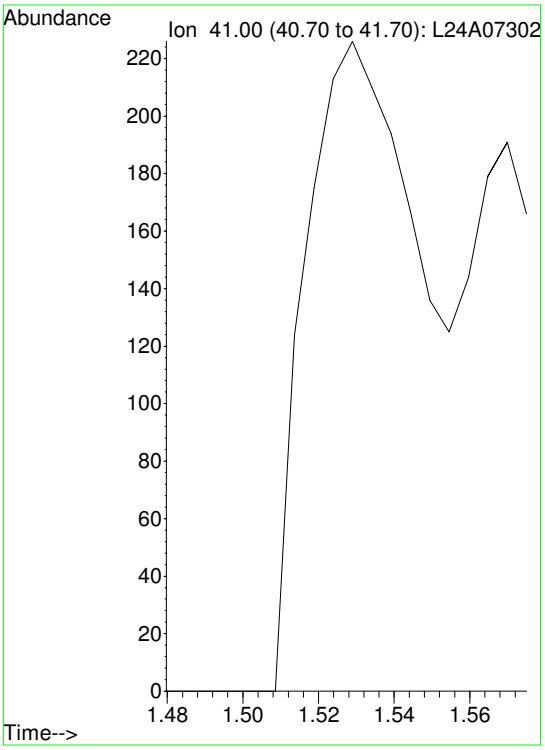
RT : 1.53
Area : 481
Amount: 0.0455044

Manual Int. Results

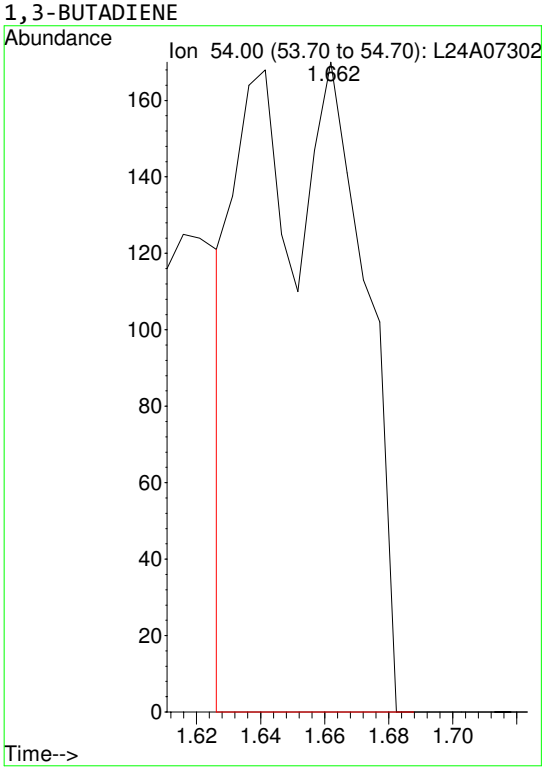
Fri Mar 15 11:09:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

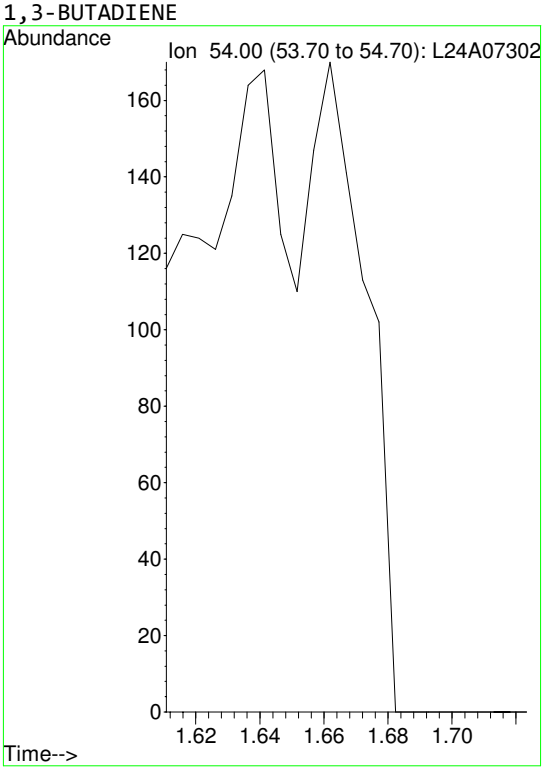
RT : 1.66
Area : 422
Amount: 0.0295192

Manual Int. Results

Fri Mar 15 11:09:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

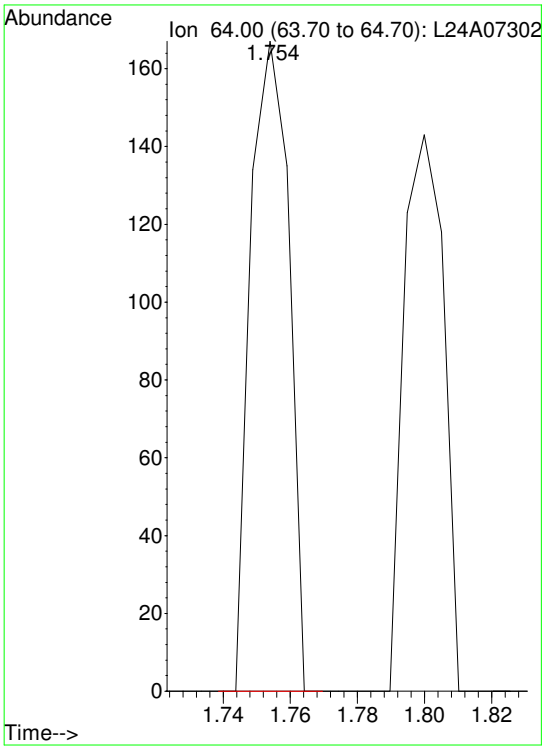
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

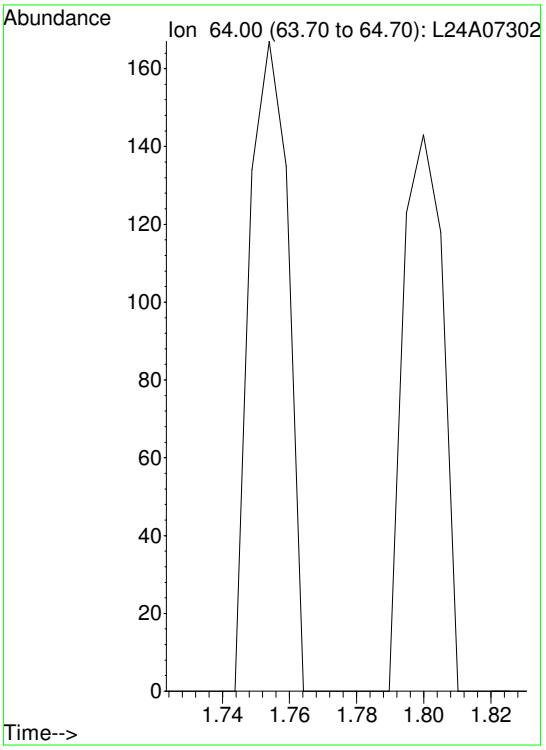
RT : 1.75
Area : 134
Amount: 0.0125468

Manual Int. Results

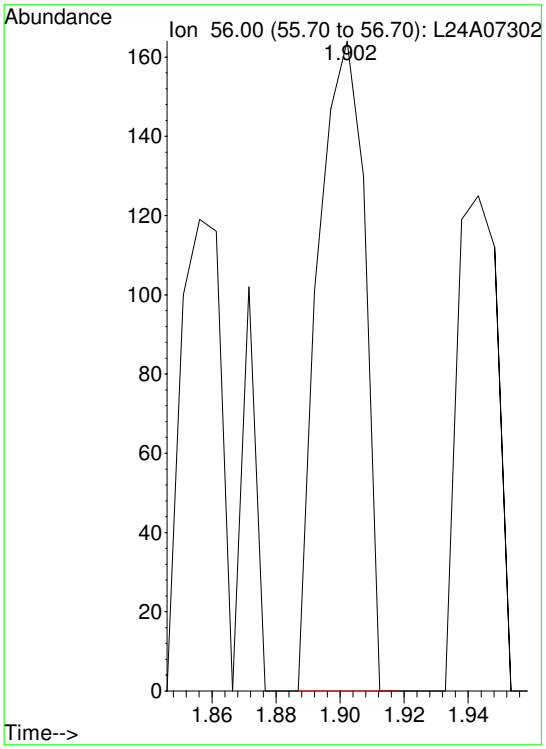
Fri Mar 15 11:09:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

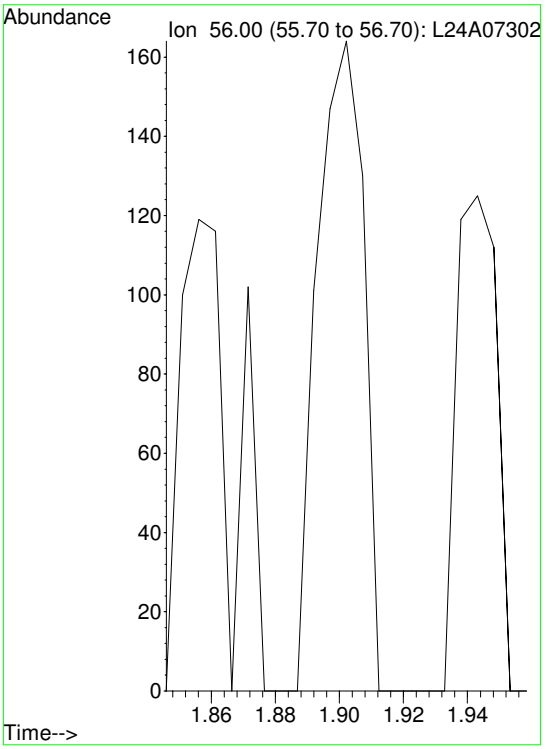
RT : 1.90
Area : 166
Amount: 0.0201583

Manual Int. Results

Fri Mar 15 11:09:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

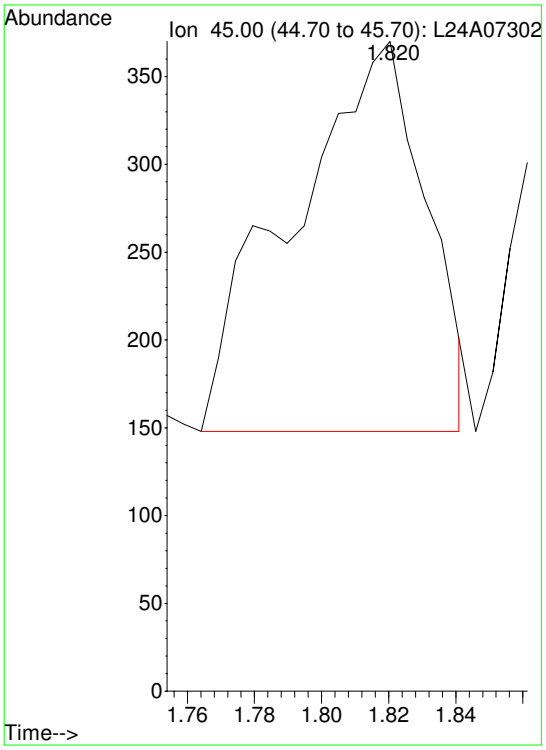
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
ETHANOL



Original Int. Results

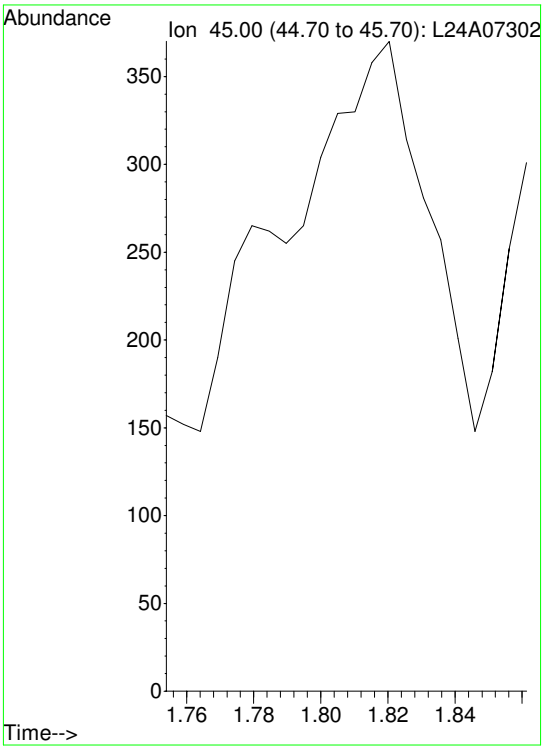
RT : 1.82
Area : 615
Amount: 0.136863

Manual Int. Results

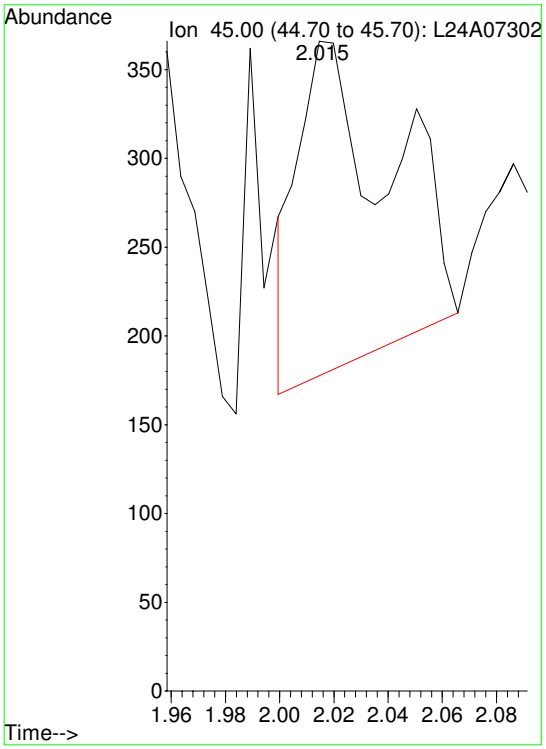
Fri Mar 15 11:08:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
IPA



Original Int. Results

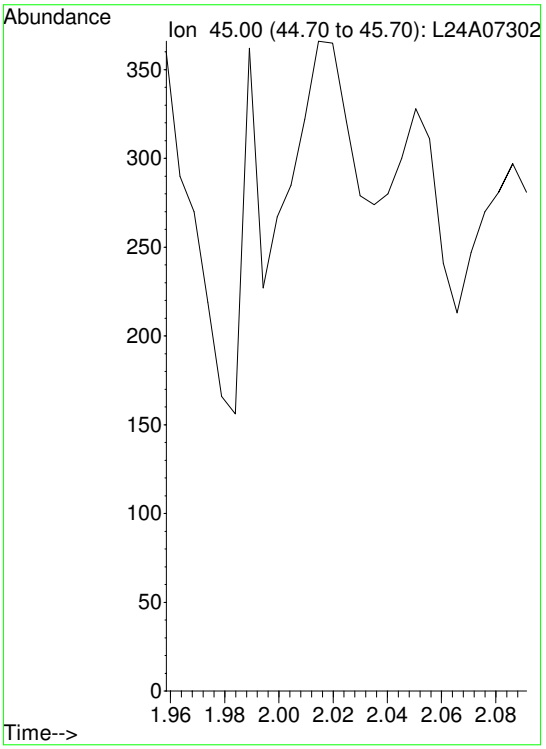
RT : 2.01
Area : 434
Amount: 0.0141714

Manual Int. Results

Fri Mar 15 11:08:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

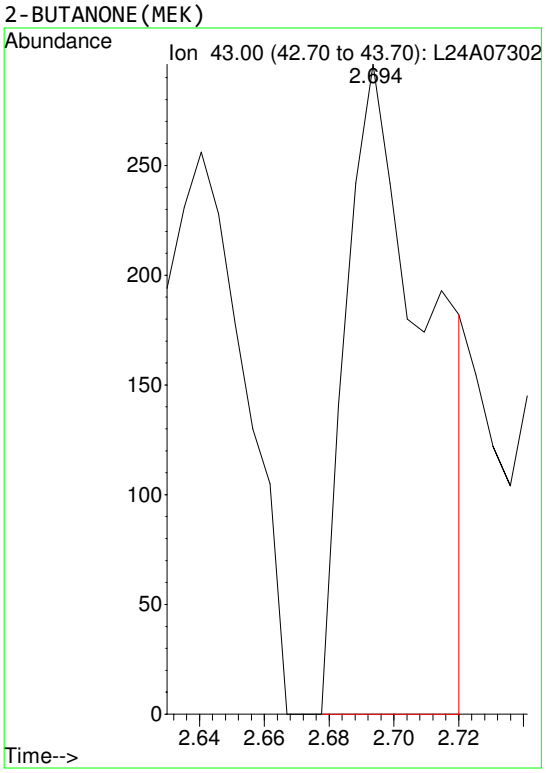
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

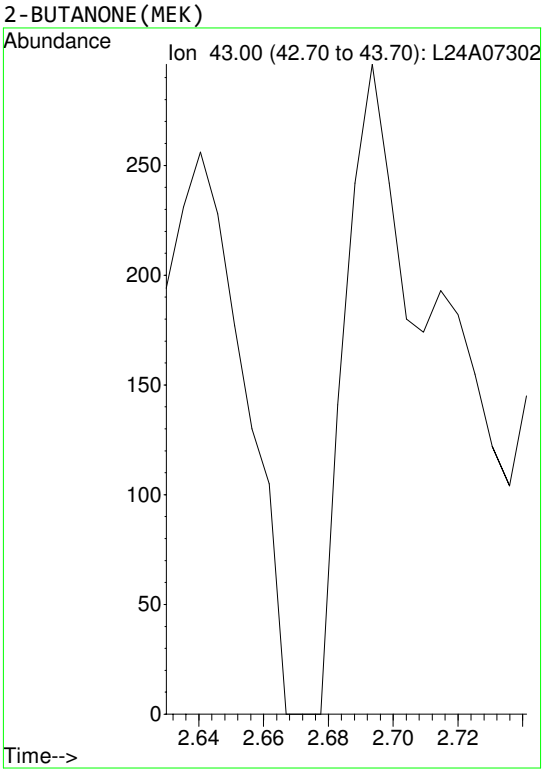
RT : 2.69
Area : 524
Amount: 0.0146221

Manual Int. Results

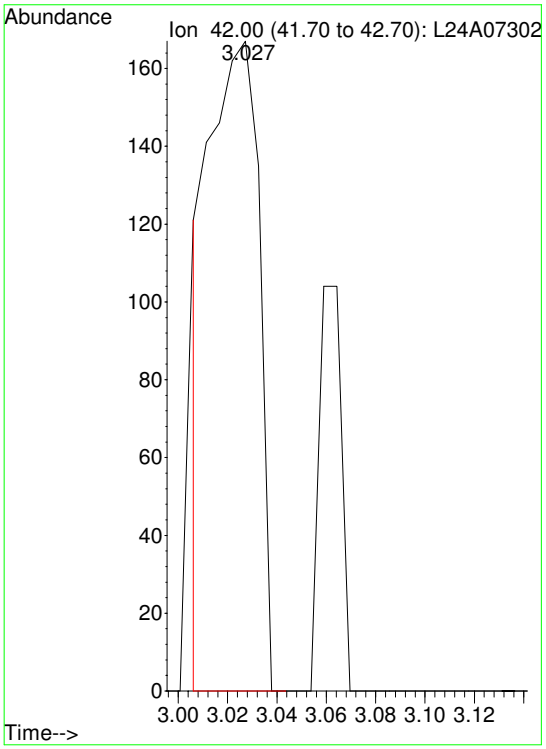
Fri Mar 15 11:08:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
TETRAHYDROFURAN



Original Int. Results

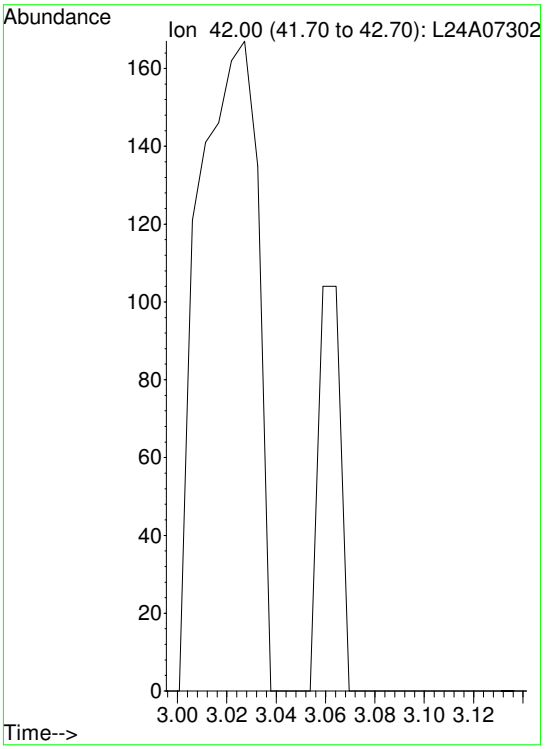
RT : 3.03
Area : 239
Amount: 0.0101122

Manual Int. Results

Fri Mar 15 11:08:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

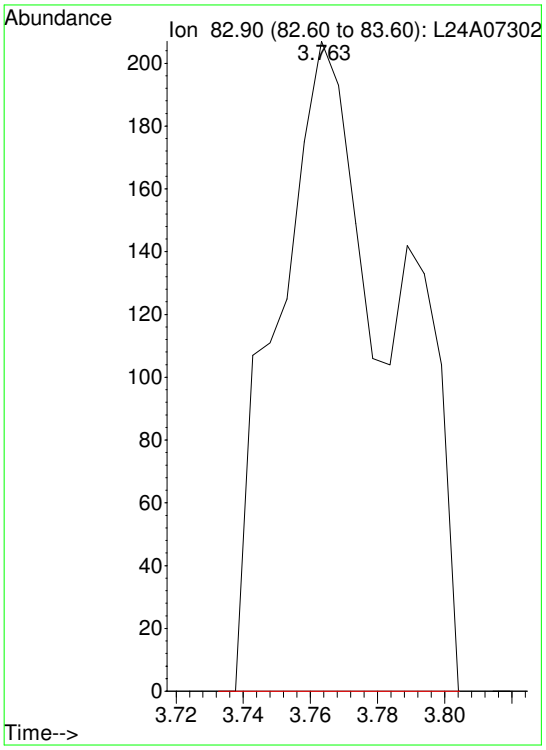
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE



Original Int. Results

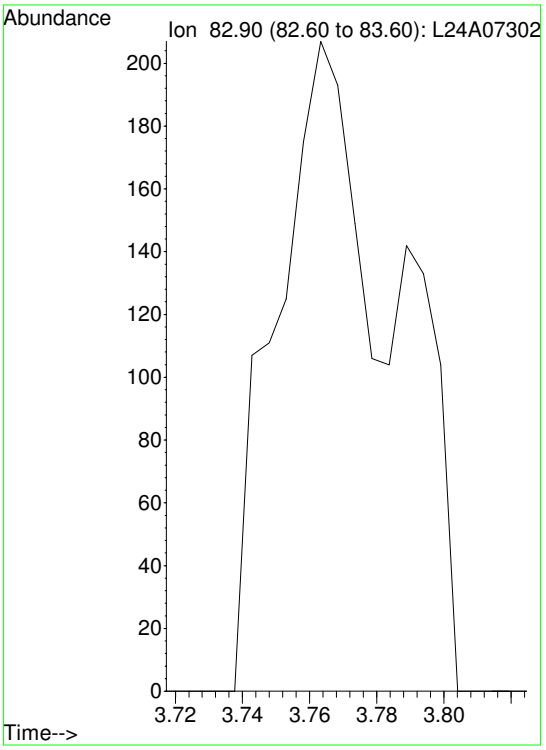
RT : 3.76
Area : 508
Amount: 0.0122488

Manual Int. Results

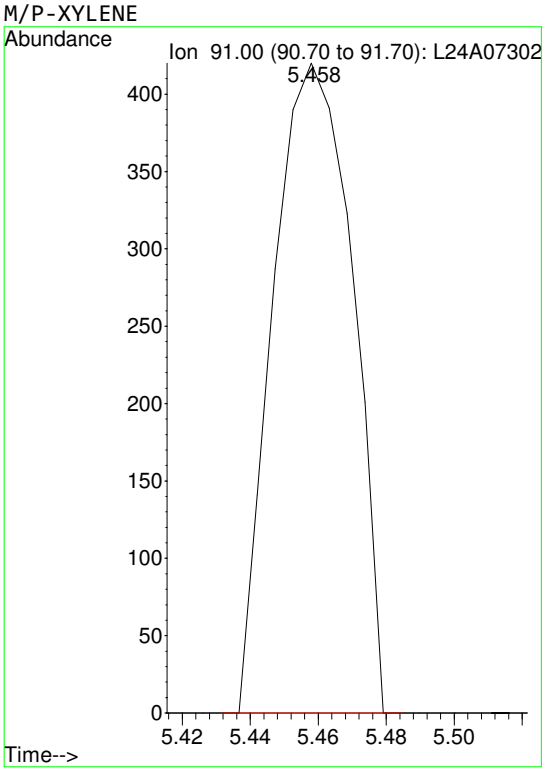
Fri Mar 15 11:08:40 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE



Original Integration
M/P-XYLENE



Original Int. Results

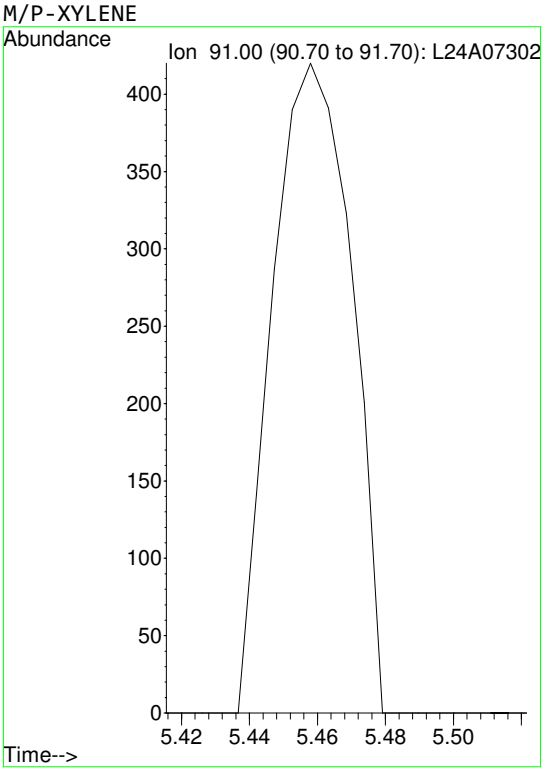
RT : 5.46
Area : 684
Amount: 0.0103421

Manual Int. Results

Fri Mar 15 11:08:34 2024

MIuser: TPH
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.92			
71-43-2	Benzene	5.13			
100-44-7	Benzyl chloride	4.42			
75-27-4	Bromodichloromethane	4.76			
75-27-4	Bromodichloromethane (SIM)	4.62			
75-25-2	Bromoform	4.73			
74-83-9	Bromomethane	5.42			
106-99-0	1,3-Butadiene	4.93			
78-93-3	2-Butanone (MEK)	4.40			
75-15-0	Carbon Disulfide	5.46			
56-23-5	Carbon Tetrachloride	4.64			
56-23-5	Carbon Tetrachloride (SIM)	4.56			
108-90-7	Chlorobenzene	5.21			
75-00-3	Chloroethane	4.96			
67-66-3	Chloroform	5.39			
67-66-3	Chloroform (SIM)	5.43			
74-87-3	Chloromethane	4.75			
110-82-7	Cyclohexane	5.01			
124-48-1	Dibromochloromethane	4.93			
106-93-4	1,2-Dibromoethane (EDB)	5.18			
95-50-1	1,2-Dichlorobenzene	5.17			
541-73-1	1,3-Dichlorobenzene	5.77			
106-46-7	1,4-Dichlorobenzene	5.82			
75-71-8	Dichlorodifluoromethane (Freon 12)	5.04			
75-34-3	1,1-Dichloroethane	4.66			
75-34-3	1,1-Dichloroethane (SIM)	4.76			
107-06-2	1,2-Dichloroethane	4.41			
107-62-2	1,2-Dichloroethane (SIM)	4.48			
75-35-4	1,1-Dichloroethylene	4.99			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
75-35-4	1,1-Dichloroethylene (SIM)	4.98			
156-59-2	cis-1,2-Dichloroethylene	5.14			
156-59-2	cis-1,2-Dichloroethylene (SIM)	5.13			
156-60-5	trans-1,2-Dichloroethylene	4.47			
156-60-5	trans-1,2-Dichloroethylene (SIM)	4.57			
78-87-5	1,2-Dichloropropane	5.44			
78-87-5	1,2-Dichloropropane (SIM)	5.47			
10061-01-5	cis-1,3-Dichloropropene	5.24			
10061-01-5	cis-1,3-Dichloropropene (SIM)	5.11			
10061-02-6	trans-1,3-Dichloropropene	4.88			
10061-02-6	trans-1,3-Dichloropropene (SIM)	4.58			
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	4.88			
123-91-1	1,4-Dioxane	5.52			
64-17-5	Ethanol	5.16			
141-78-6	Ethyl Acetate	3.99			
100-41-4	Ethylbenzene	5.21			
622-96-8	4-Ethyltoluene	5.31			
142-82-5	Heptane	4.87			
87-68-3	Hexachlorobutadiene	4.35			
110-54-3	Hexane	4.11			
591-78-6	2-Hexanone (MBK)	4.77			
67-63-0	Isopropanol	4.54			
1634-04-4	Methyl tert-Butyl Ether (MTBE)	4.56			
75-09-2	Methylene Chloride	4.43			
108-10-1	4-Methyl-2-pentanone (MIBK)	5.24			
91-20-3	Naphthalene	4.87			
115-07-1	Propene	5.05			
100-42-5	Styrene	5.35			
79-34-5	1,1,2,2-Tetrachloroethane	5.92			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368535-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368535	Sequence:	S101689	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane (SIM)	5.73			
127-18-4	Tetrachloroethylene	5.06			
109-99-9	Tetrahydrofuran	4.27			
108-88-3	Toluene	5.31			
120-82-1	1,2,4-Trichlorobenzene	4.46			
71-55-6	1,1,1-Trichloroethane	4.42			
79-00-5	1,1,2-Trichloroethane	5.70			
79-00-5	1,1,2-Trichloroethane (SIM)	5.56			
79-01-6	Trichloroethylene	4.85			
79-01-6	Trichloroethylene (SIM)	4.95			
75-69-4	Trichlorofluoromethane (Freon 11)	4.76			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	5.24			
95-63-6	1,2,4-Trimethylbenzene	5.20			
108-67-8	1,3,5-Trimethylbenzene	5.30			
108-05-4	Vinyl Acetate	4.77			
75-01-4	Vinyl Chloride	5.26			
75-01-4	Vinyl Chloride (SIM)	5.54			
179601-23-1	m&p-Xylene	10.6			
95-47-6	o-Xylene	5.38			

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	207683	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	632479	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	564467	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227114	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	675850	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	620321	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	297884	7.667	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.88%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	313799	7.902	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 98.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	53396	5.047	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.534	85	231170	5.036	PPBV	99
4) CHLOROMETHANE	1.570	50	75237	4.750	PPBV	96
5) FREON 114	1.601	85	226338	4.885	PPBV	96
6) VINYL CHLORIDE	1.626	62	97039	5.260	PPBV	100
7) 1,3-BUTADIENE	1.662	54	70566	4.932	PPBV	94
8) BROMOMETHANE	1.729	94	88837	5.424	PPBV	99
9) CHLOROETHANE	1.775	64	52983	4.957	PPBV	98
10) ACROLEIN	1.897	56	35769	4.340	PPBV	98
11) ACETONE	1.938	43	114094	3.916	PPBV	84
12) TRICHLOROFLUOROMETHANE	1.984	101	224350	4.757	PPBV	98
13) ETHANOL	1.805	45	23229	5.165	PPBV	100
14) 1,1-DICHLOROETHENE	2.169	61	146040	4.991	PPBV	91
15) METHYLENE CHLORIDE	2.207	49	100268	4.431	PPBV	83
16) FREON 113	2.297	101	195234	5.235	PPBV	95
17) CARBON DISULFIDE	2.297	76	292303	5.456	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	131018	4.473	PPBV	87
19) 1,1-DICHLOROETHANE	2.556	63	168457	4.659	PPBV	98
20) MTBE	2.588	73	251984	4.555	PPBV	97
21) IPA	2.015	45	139263	4.543	PPBV	96
22) 2-BUTANONE(MEK)	2.689	43	157746	4.398	PPBV	86
23) CIS-1,2-DICHLOROETHENE	2.816	61	121194	5.136	PPBV	86
24) VINYL ACETATE	2.610	43	181363m	4.773	PPBV	
25) HEXANE	2.896	41	79350	4.107	PPBV	80
26) ETHYL ACETATE	2.906	45	24740	3.987	PPBV	82
27) CHLOROFORM	2.912	83	201380	5.389	PPBV	99
28) TETRAHYDROFURAN	3.055	42	101055m	4.272	PPBV	
29) 1,2-DICHLOROETHANE	3.153	62	111805	4.407	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	177570	4.425	PPBV	96
32) BENZENE	3.400	78	294178	5.129	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	187503	4.641	PPBV	99
34) CYCLOHEXANE	3.501	84	119974	5.008	PPBV	87
35) 1,2-DICHLOROPROPANE	3.698	63	111929	5.441	PPBV	97
36) BROMODICHLOROMETHANE	3.765	83	209295	4.755	PPBV	99
37) TRICHLOROETHENE	3.785	95	128823	4.854	PPBV	96
38) 1,4-DIOXANE	3.801	88	76021	5.517	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	106268	5.314	PPBV #	76
40) HEPTANE	3.918	57	88101	4.873	PPBV	86
41) MIBK	4.147	58	100057	5.242	PPBV #	82
42) CIS-1,3-DICHLOROPROPENE	4.111	75	164091	5.238	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

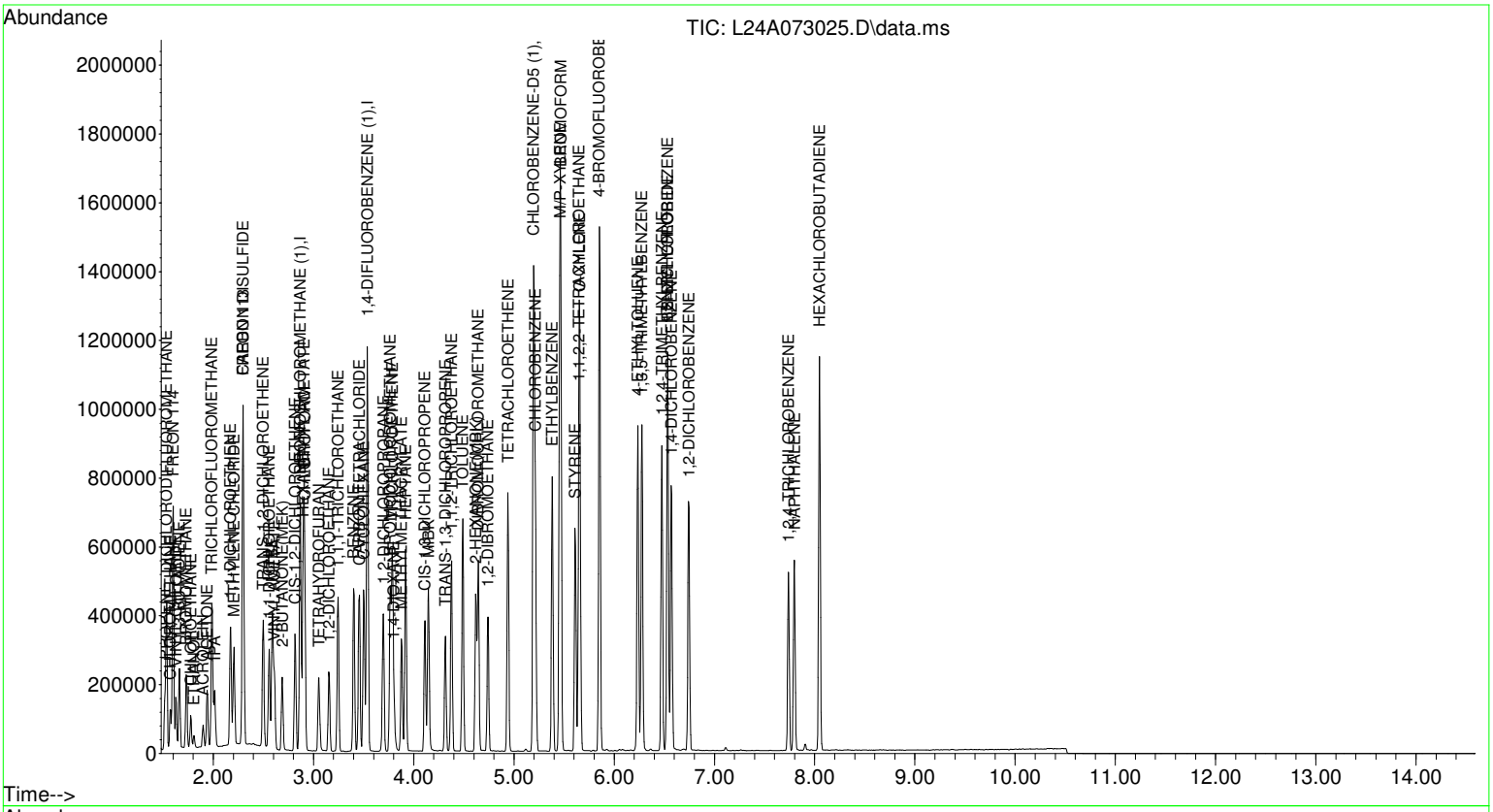
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

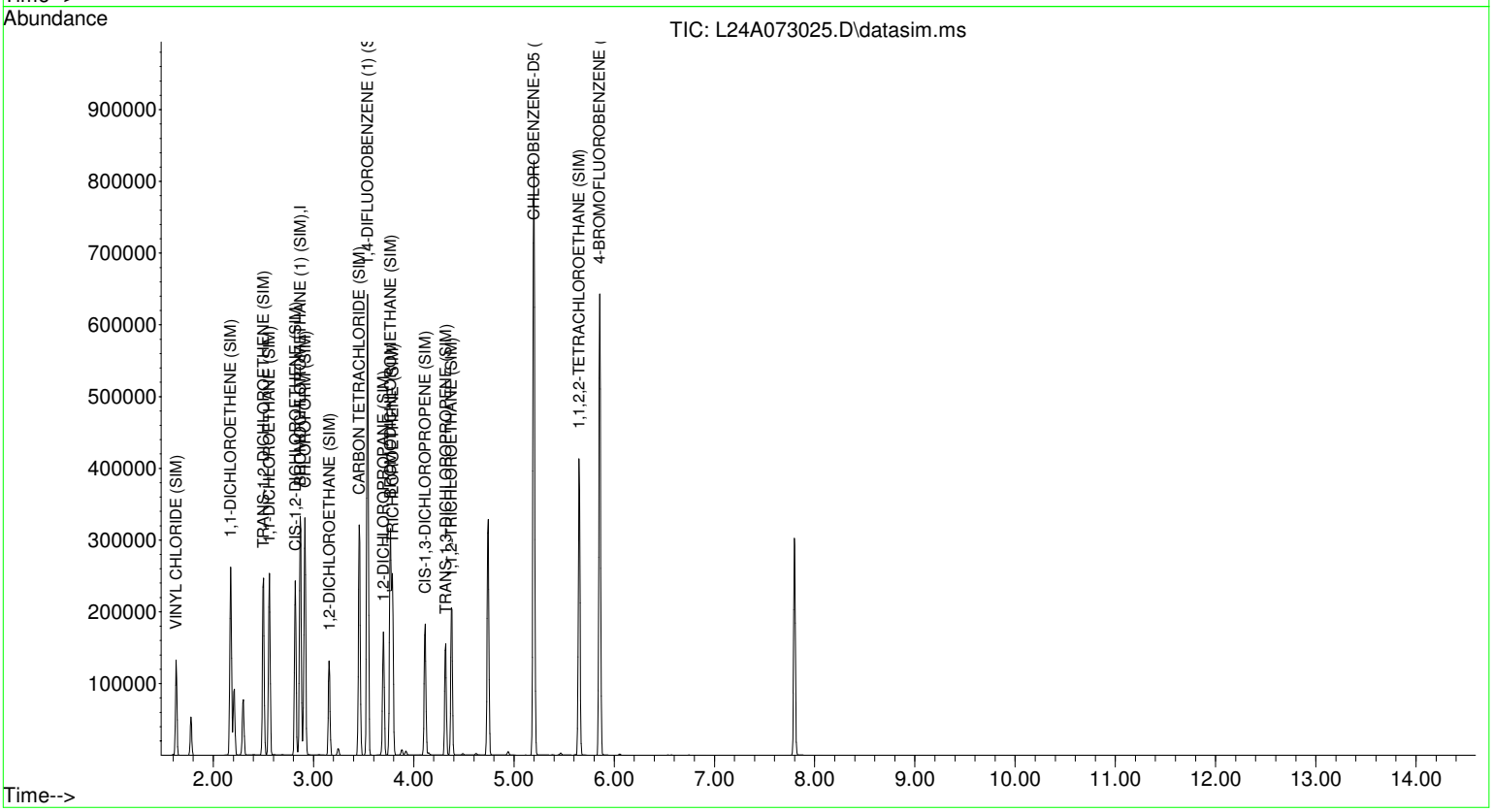
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	135851	4.878	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.377	97	124458	5.696	PPBV	97
46) TOLUENE	4.490	91	351918	5.314	PPBV	100
47) 2-HEXANONE(MBK)	4.618	43	201674	4.769	PPBV	95
48) DIBROMOCHLOROMETHANE	4.643	129	196439	4.933	PPBV	97
49) 1,2-DIBROMOETHANE	4.740	107	185443	5.177	PPBV	100
50) TETRACHLOROETHENE	4.940	166	148902	5.055	PPBV	99
51) CHLOROBENZENE	5.212	112	265447	5.211	PPBV	96
52) ETHYLBENZENE	5.381	91	432888	5.213	PPBV	99
53) M/P-XYLENE	5.461	91	725691	10.591	PPBV	97
54) BROMOFORM	5.466	173	164484	4.732	PPBV	98
55) STYRENE	5.609	104	251963	5.346	PPBV	93
56) O-XYLENE	5.657	91	362388	5.378	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.646	83	285538	5.918	PPBV	97
59) 4-ETHYLTOLUENE	6.236	105	466917	5.306	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.277	105	394524	5.298	PPBV	97
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	374352	5.195	PPBV	97
62) 1,3-DICHLOROBENZENE	6.532	146	255201	5.771	PPBV	98
63) BENZYL CHLORIDE	6.532	91	203170	4.417	PPBV	97
64) 1,4-DICHLOROBENZENE	6.568	146	238155	5.818	PPBV	97
65) 1,2-DICHLOROBENZENE	6.747	146	227396	5.169	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.737	180	116274	4.462	PPBV	97
67) NAPHTHALENE	7.799	128	327817	4.867	PPBV	98
68) HEXACHLOROBUTADIENE	8.049	225	145955	4.350	PPBV	99
70] VINYL CHLORIDE (SIM)	1.629	62	105217	5.535	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.172	61	158689	4.982	PPBV	90
72] TRANS-1,2-DICHLOROETHE...	2.501	61	144604	4.572	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	184251	4.756	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.819	61	133440	5.131	PPBV	89
75] CHLOROFORM (SIM)	2.915	83	217854	5.434	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	118876	4.481	PPBV	99
78] CARBON TETRACHLORIDE (...	3.456	117	205322	4.558	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	119773	5.470	PPBV	100
80] BROMODICHLOROMETHANE (...	3.768	83	224291	4.623	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	140695	4.950	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	173099	5.110	PPBV	98
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145662	4.583	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.375	97	134447	5.562	PPBV	98
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	301578	5.726	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

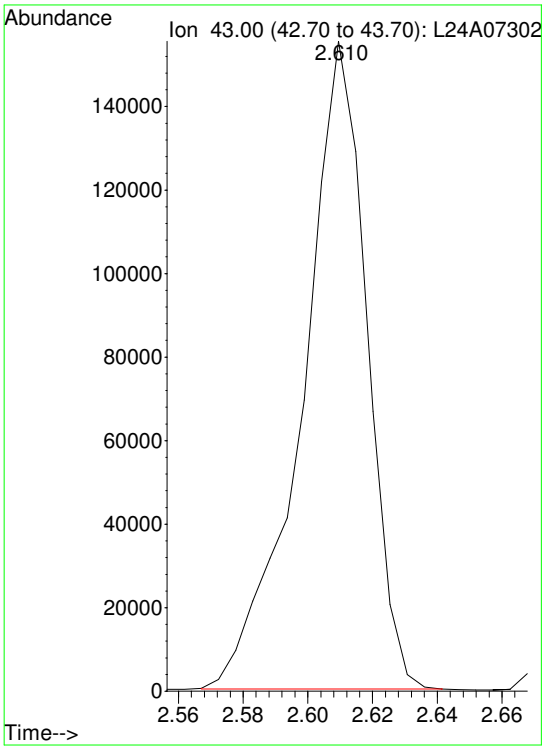




Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073025.D
Acq On : 13 Mar 2024 10:21 pm
Operator : CMR
Sample : 5.0PPBV LCS
Misc : CTWS-4167-2056 03/19

Quant Time : Fri Mar 15 11:07:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

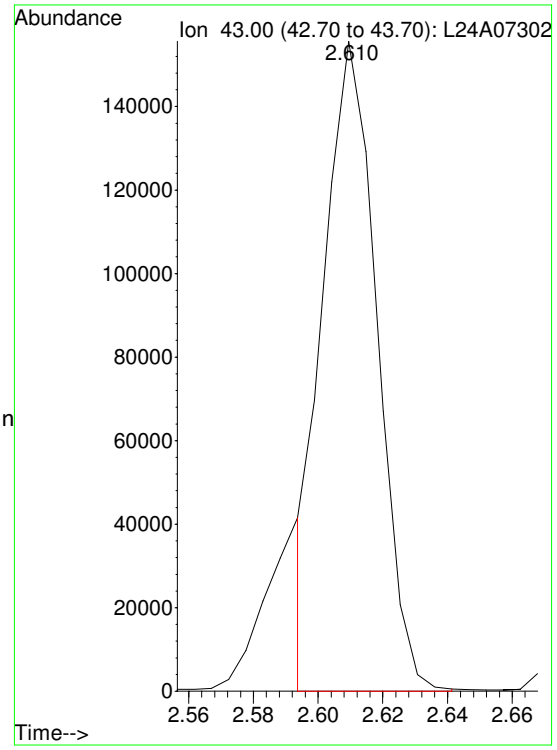
RT : 2.61
Area : 213093
Amount: 5.60859

Manual Int. Results

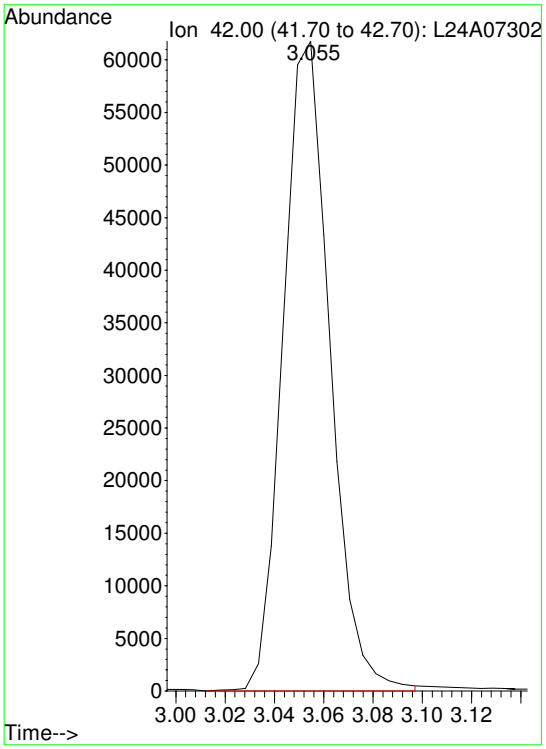
Fri Mar 15 11:07:22 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.61
Area : 181363
Amount: 4.77346

Manual Integration
VINYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

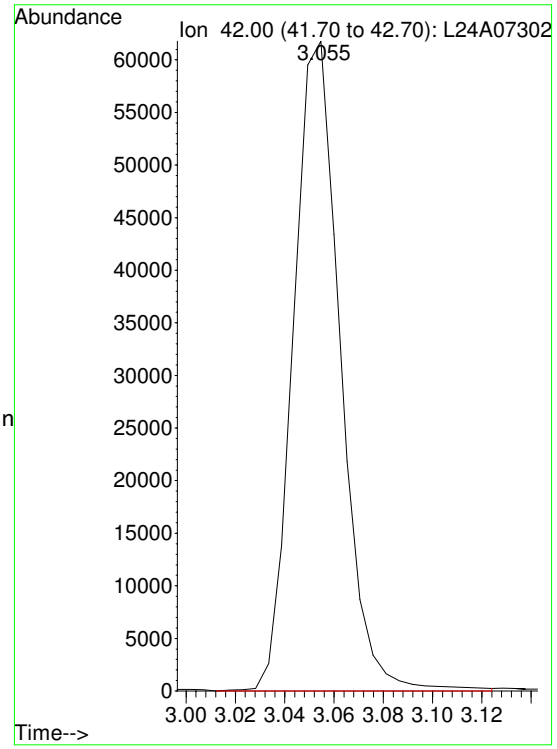
RT : 3.05
Area : 81430
Amount: 3.4424

Manual Int. Results

Fri Mar 15 11:07:34 2024

MIuser: TPH
Reason: Incorret Integration
RT : 3.05
Area : 101055
Amount: 4.27204

Manual Integration
TETRAHYDROFURAN



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		0.70	1.4	
71-43-2	Benzene		0.011	0.034	
100-44-7	Benzyl chloride		0.019	0.034	
75-27-4	Bromodichloromethane		0.014	0.034	
75-25-2	Bromoform		0.012	0.034	
74-83-9	Bromomethane		0.029	0.034	
106-99-0	1,3-Butadiene		0.029	0.034	
78-93-3	2-Butanone (MEK)		0.67	1.4	
75-15-0	Carbon Disulfide		0.066	0.34	
56-23-5	Carbon Tetrachloride		0.027	0.034	
108-90-7	Chlorobenzene		0.011	0.034	
75-00-3	Chloroethane		0.032	0.034	
67-66-3	Chloroform		0.017	0.034	
74-87-3	Chloromethane		0.046	0.069	
110-82-7	Cyclohexane		0.027	0.034	
124-48-1	Dibromochloromethane		0.023	0.034	
106-93-4	1,2-Dibromoethane (EDB)		0.021	0.034	
95-50-1	1,2-Dichlorobenzene		0.012	0.034	
541-73-1	1,3-Dichlorobenzene		0.013	0.034	
106-46-7	1,4-Dichlorobenzene		0.017	0.034	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.014	0.034	
75-34-3	1,1-Dichloroethane		0.017	0.034	
107-06-2	1,2-Dichloroethane		0.013	0.034	
75-35-4	1,1-Dichloroethylene		0.024	0.034	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.034	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.034	
78-87-5	1,2-Dichloropropane		0.026	0.034	
10061-01-5	cis-1,3-Dichloropropene		0.017	0.034	
10061-02-6	trans-1,3-Dichloropropene		0.033	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.034	
123-91-1	1,4-Dioxane		0.17	0.34	
64-17-5	Ethanol		0.91	1.4	
141-78-6	Ethyl Acetate		0.14	0.34	
100-41-4	Ethylbenzene		0.012	0.034	
622-96-8	4-Ethyltoluene		0.015	0.034	
142-82-5	Heptane		0.022	0.034	
87-68-3	Hexachlorobutadiene		0.020	0.034	
110-54-3	Hexane		0.72	1.4	
591-78-6	2-Hexanone (MBK)		0.015	0.034	
67-63-0	Isopropanol		0.72	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.034	
75-09-2	Methylene Chloride		0.093	0.34	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.018	0.034	
91-20-3	Naphthalene		0.028	0.034	
115-07-1	Propene		0.76	1.4	
100-42-5	Styrene		0.027	0.034	
79-34-5	1,1,2,2-Tetrachloroethane		0.0085	0.034	
127-18-4	Tetrachloroethylene		0.030	0.034	
109-99-9	Tetrahydrofuran		0.13	0.34	
108-88-3	Toluene		0.017	0.034	
120-82-1	1,2,4-Trichlorobenzene		0.019	0.034	
71-55-6	1,1,1-Trichloroethane		0.011	0.034	
79-00-5	1,1,2-Trichloroethane		0.012	0.034	
79-01-6	Trichloroethylene		0.026	0.034	
75-69-4	Trichlorofluoromethane (Freon 11)		0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0094	0.14	
95-63-6	1,2,4-Trimethylbenzene		0.021	0.034	
108-67-8	1,3,5-Trimethylbenzene		0.026	0.034	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BLK1	File ID:	L24A073028.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 23:50
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-05-4	Vinyl Acetate		0.14	0.69	
75-01-4	Vinyl Chloride		0.018	0.034	
179601-23-1	m&p-Xylene		0.024	0.069	
95-47-6	o-Xylene		0.013	0.034	

Quantitation Report (QT Reviewed)

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

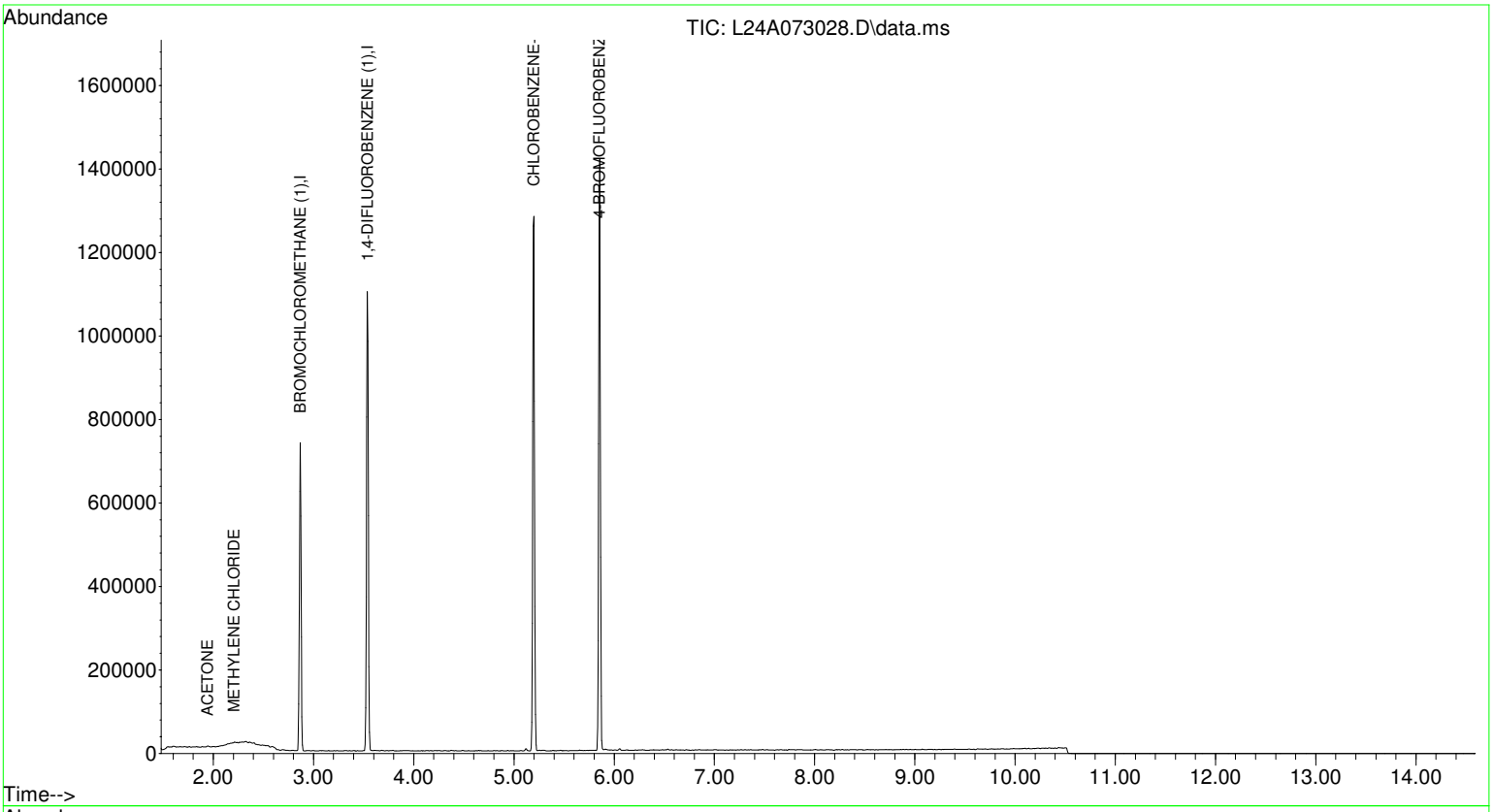
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

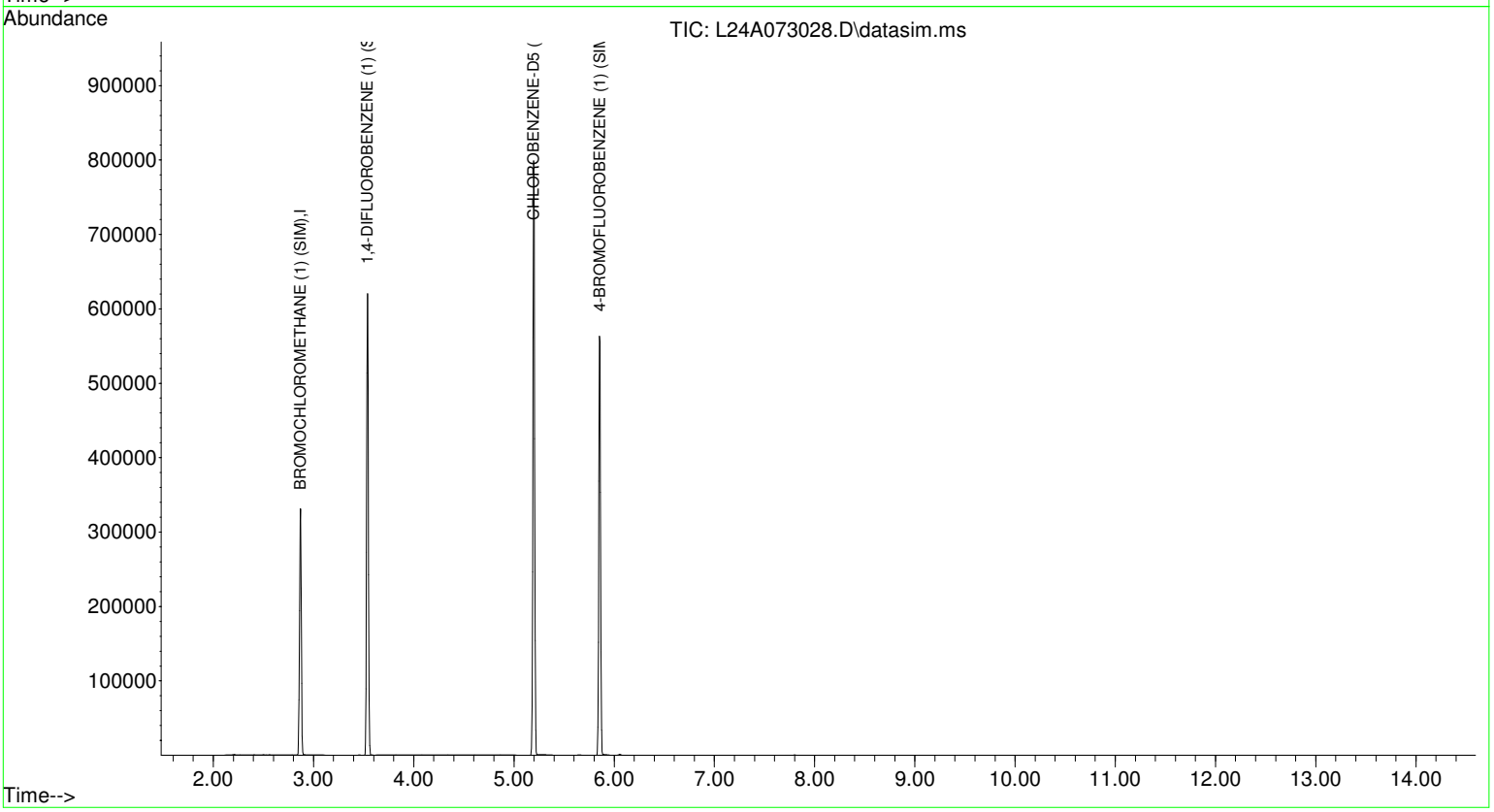
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.868	49	207505	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.536	114	595987	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.198	117	544815	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.866	49	227549	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.539	114	638847	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.196	117	600871	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.855	174	273048	7.281	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 91.00%			
87) 4-BROMOFLUOROBENZENE (...	5.857	174	286715	7.453	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 93.13%			
Target Compounds						Qvalue
11) ACETONE	1.943	43	956	0.033	PPBV	83
15) METHYLENE CHLORIDE	2.206	49	586	0.026	PPBV #	47

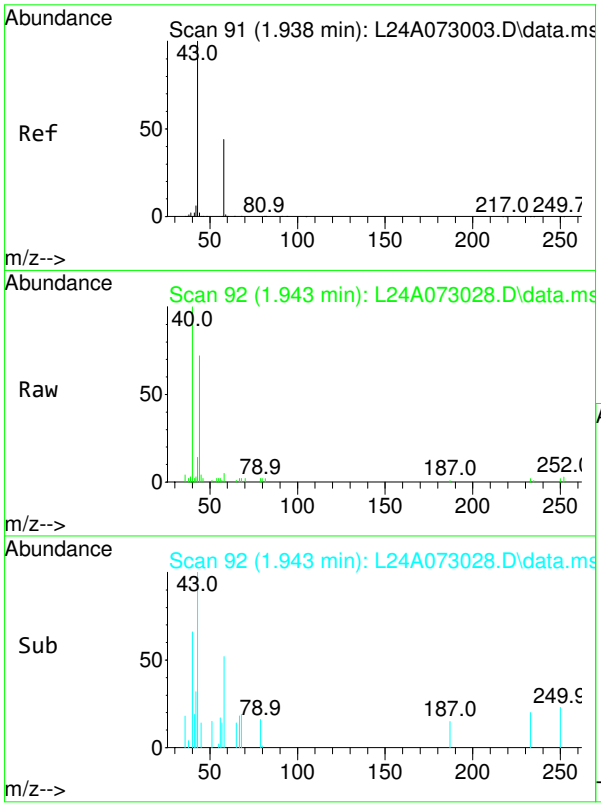
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073028.D Vial: 5
Acq On : 13 Mar 2024 11:50 pm Operator: CMR
Sample : MBL 0.7X Inst : SYSL
Misc : 1,1,200,290,0.7X Multiplr: 1.00
Quant Time: Mar 14 15:38:54 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073028.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



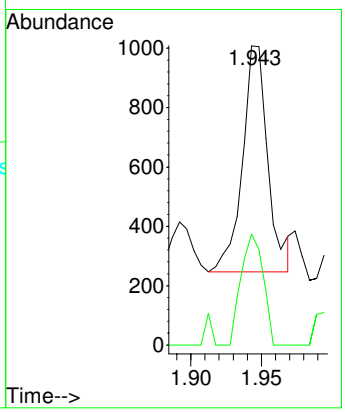


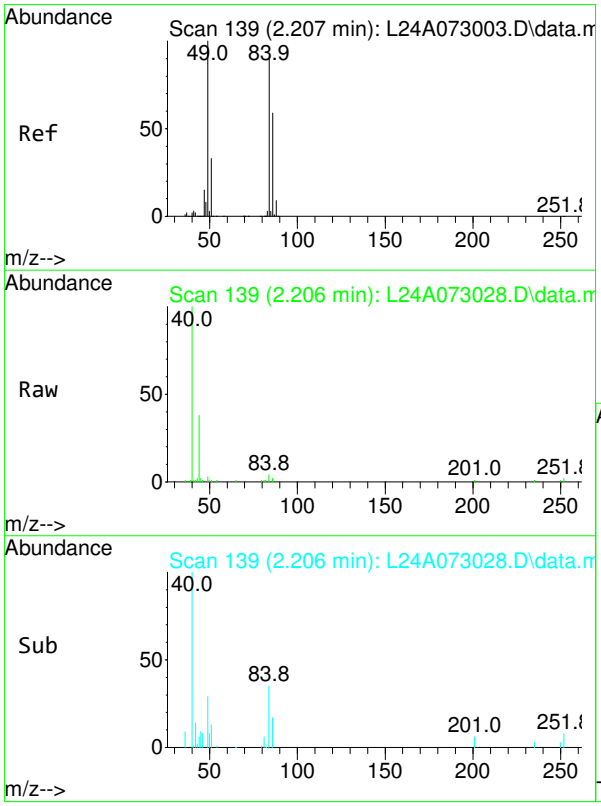


#11
ACETONE
Concen: 0.03 PPBV
RT: 1.943 min Scan# 92
Delta R.T. 0.004 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 43 Resp: 956

Ion	Ratio	Lower	Upper
43	100		
58	42.9	13.1	53.1

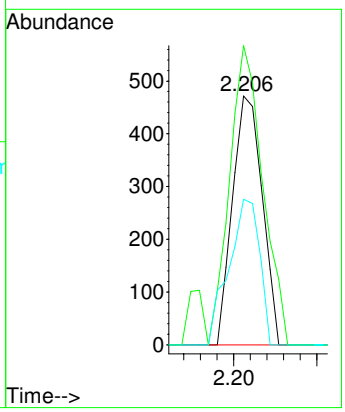




#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.206 min Scan# 139
Delta R.T. -0.002 min
Lab File: L24A073028.D
Acq: 13 Mar 2024 11:50 pm

Tgt Ion: 49 Resp: 586

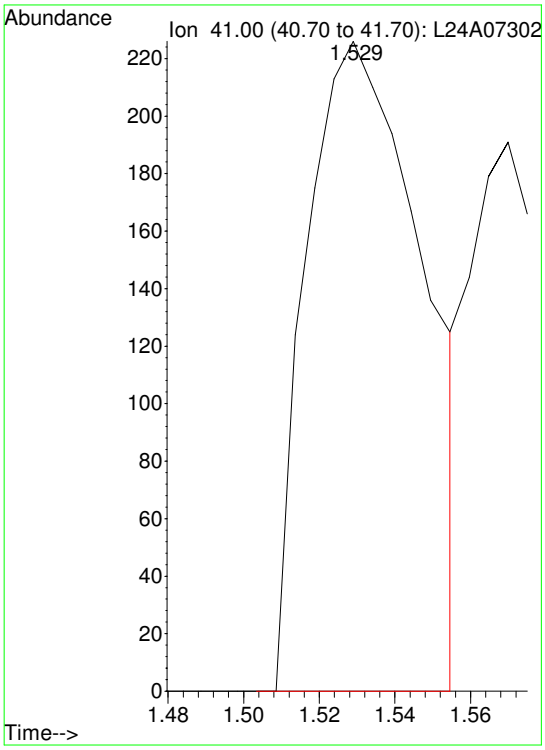
Ion	Ratio	Lower	Upper
49	100		
84	134.6	52.0	92.0#
86	60.4	27.3	67.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

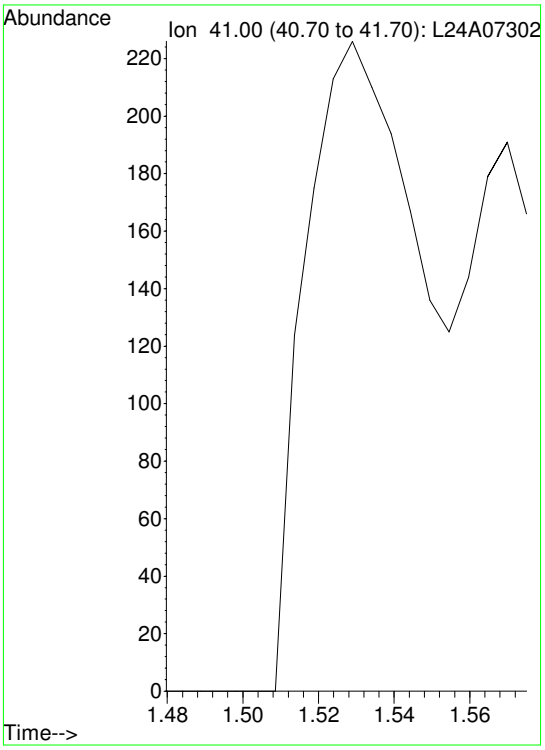
RT : 1.53
Area : 481
Amount: 0.0455044

Manual Int. Results

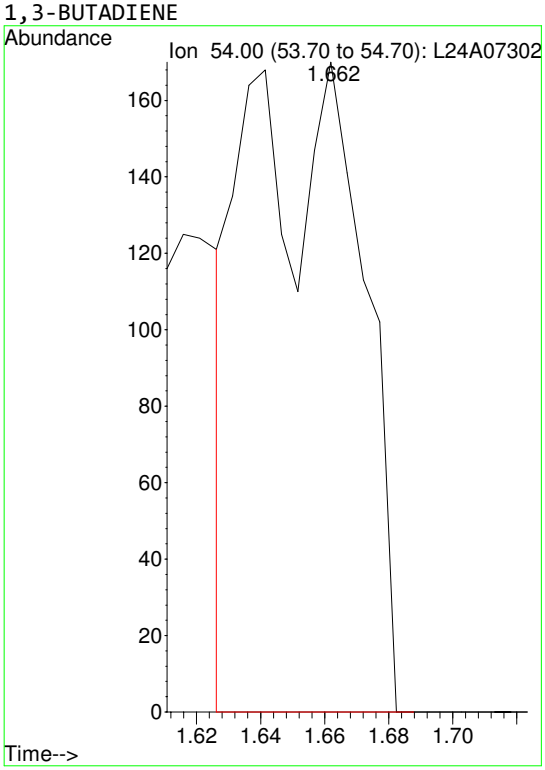
Fri Mar 15 11:09:12 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
1,3-BUTADIENE



Original Int. Results

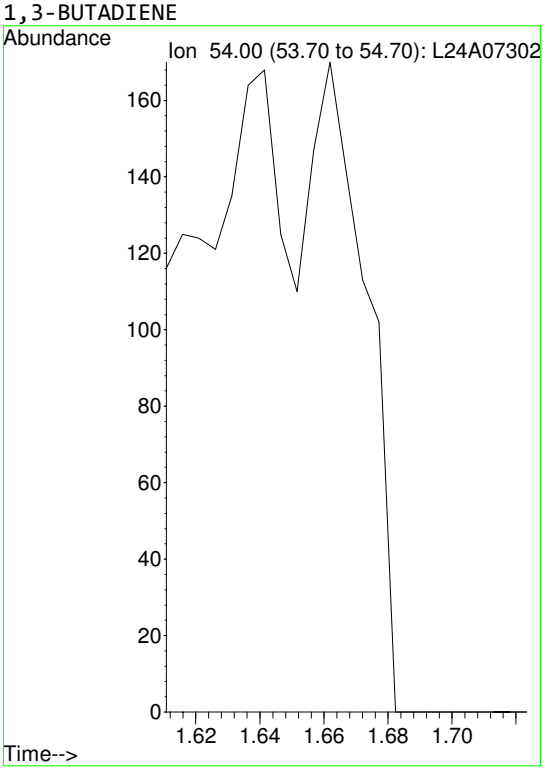
RT : 1.66
Area : 422
Amount: 0.0295192

Manual Int. Results

Fri Mar 15 11:09:09 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

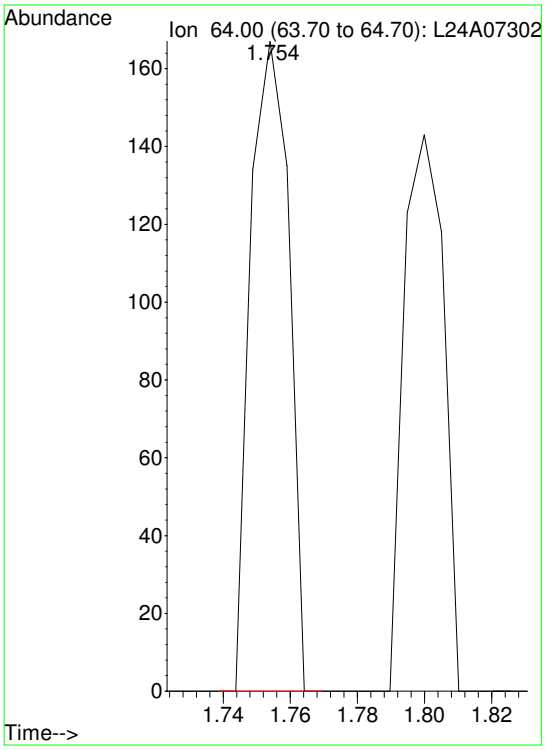
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
CHLOROETHANE



Original Int. Results

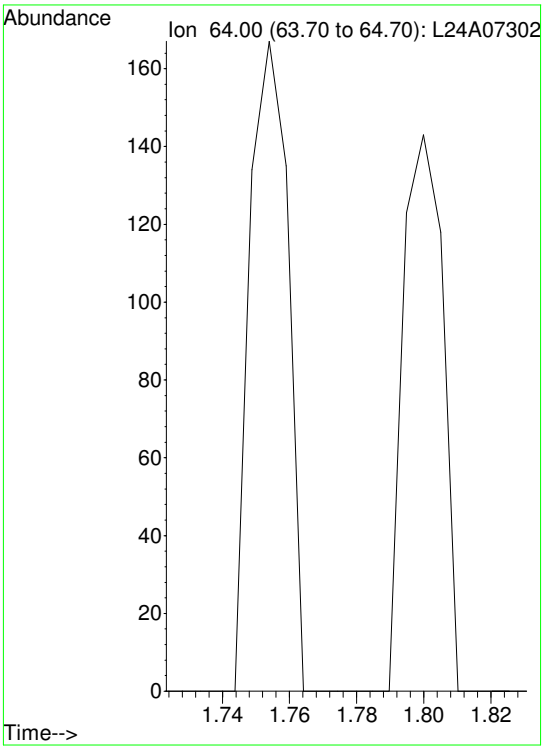
RT : 1.75
Area : 134
Amount: 0.0125468

Manual Int. Results

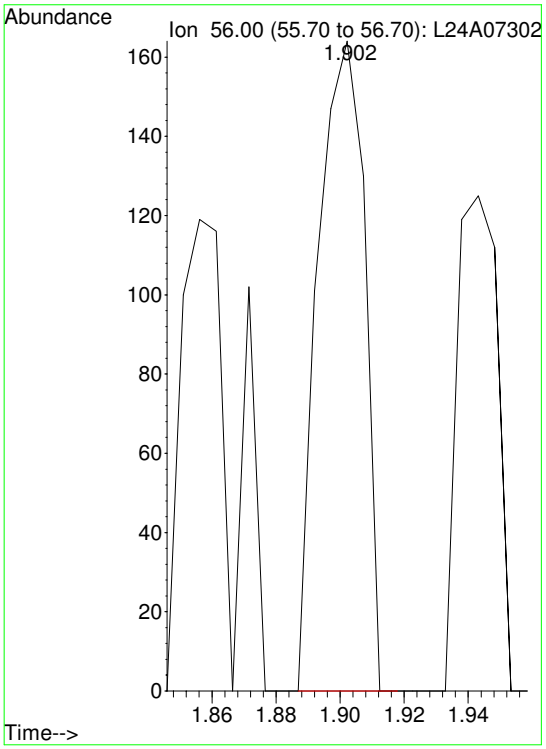
Fri Mar 15 11:09:08 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

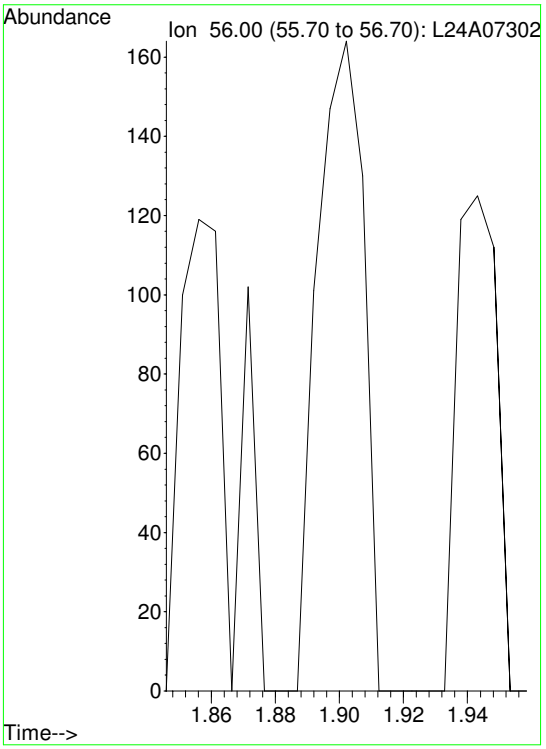
RT : 1.90
Area : 166
Amount: 0.0201583

Manual Int. Results

Fri Mar 15 11:09:07 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

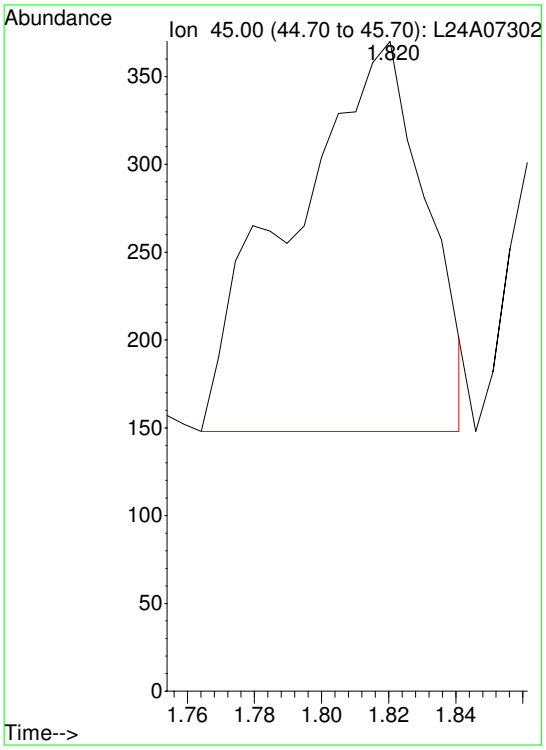
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
ETHANOL



Original Int. Results

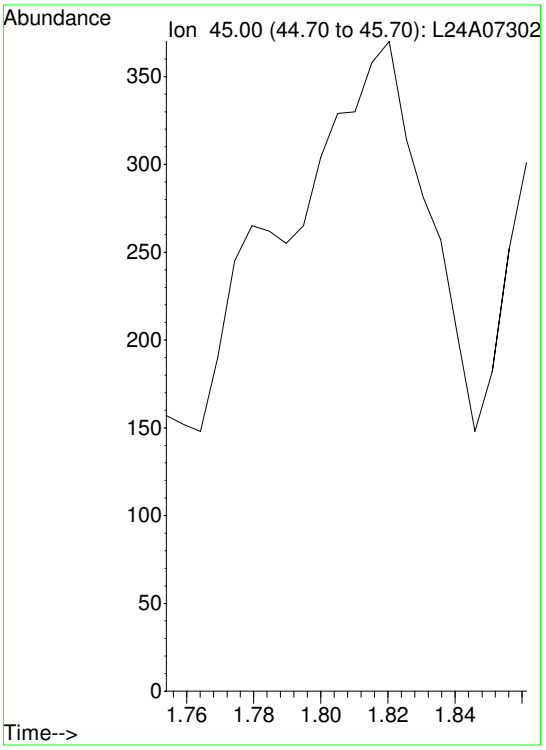
RT : 1.82
Area : 615
Amount: 0.136863

Manual Int. Results

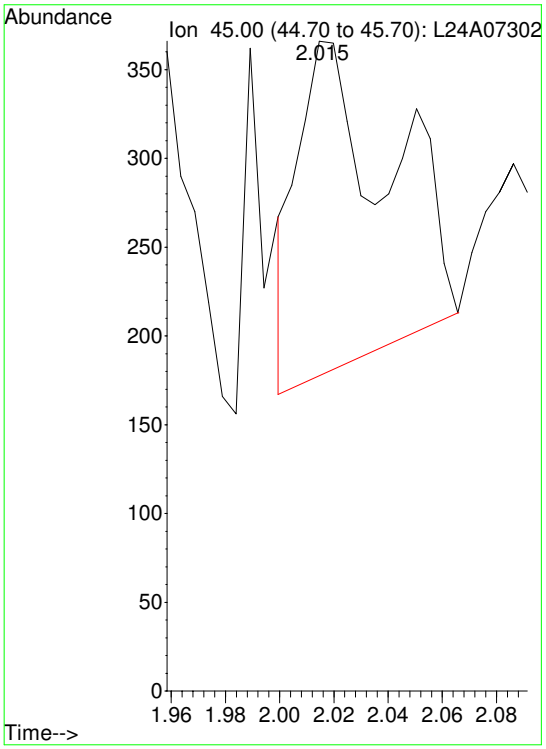
Fri Mar 15 11:08:59 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
IPA



Original Int. Results

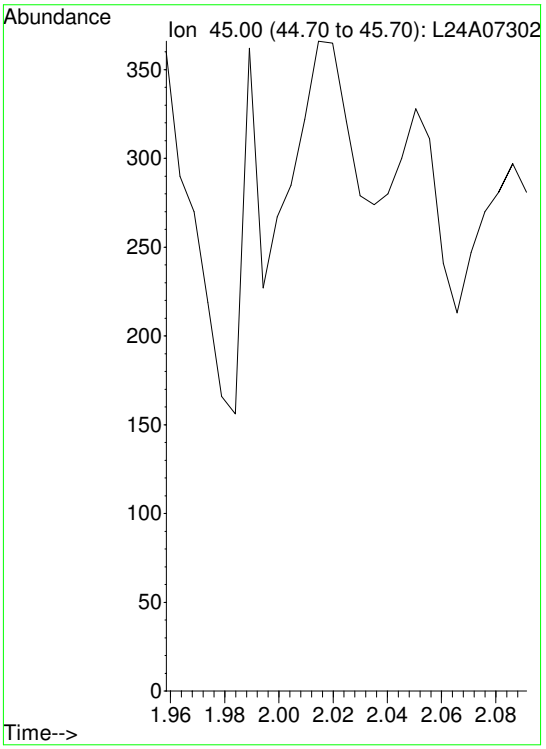
RT : 2.01
Area : 434
Amount: 0.0141714

Manual Int. Results

Fri Mar 15 11:08:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

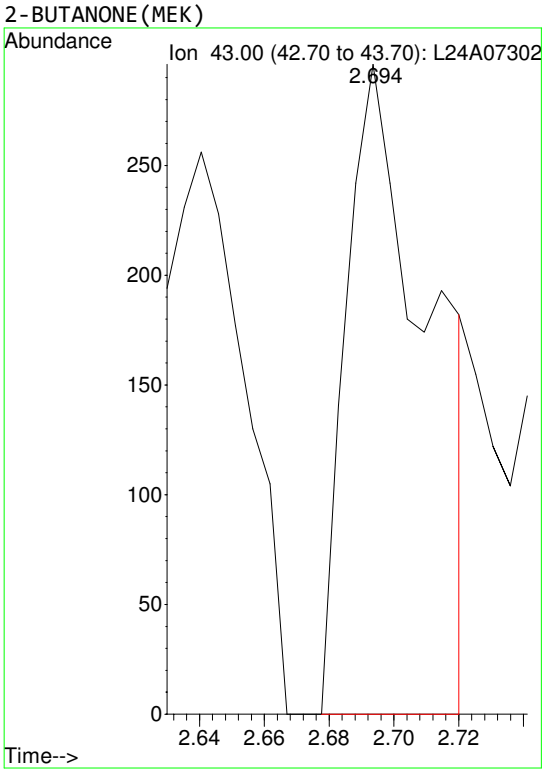
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-BUTANONE(MEK)



Original Int. Results

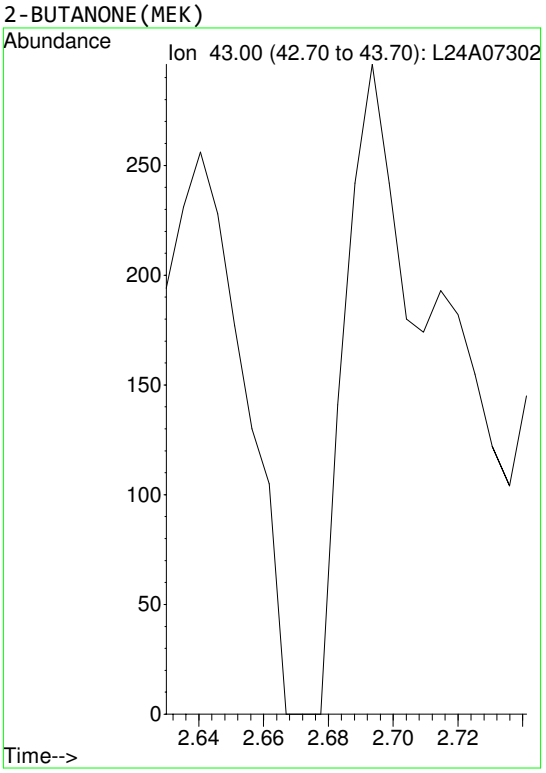
RT : 2.69
Area : 524
Amount: 0.0146221

Manual Int. Results

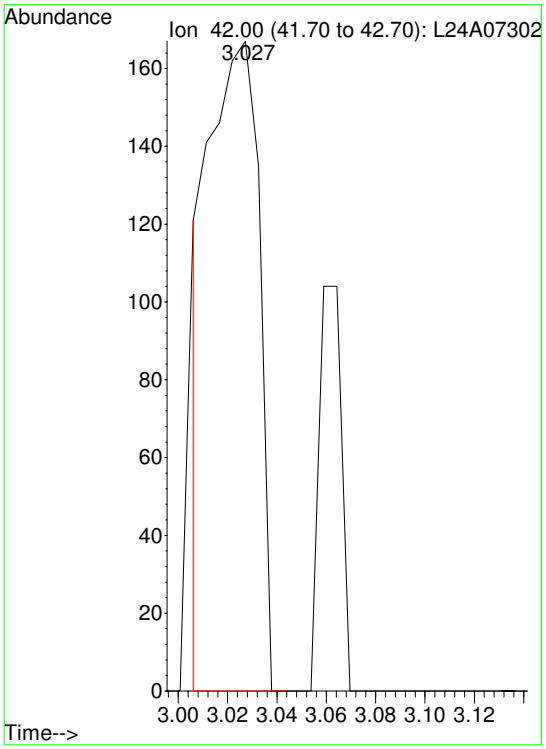
Fri Mar 15 11:08:49 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
TETRAHYDROFURAN



Original Int. Results

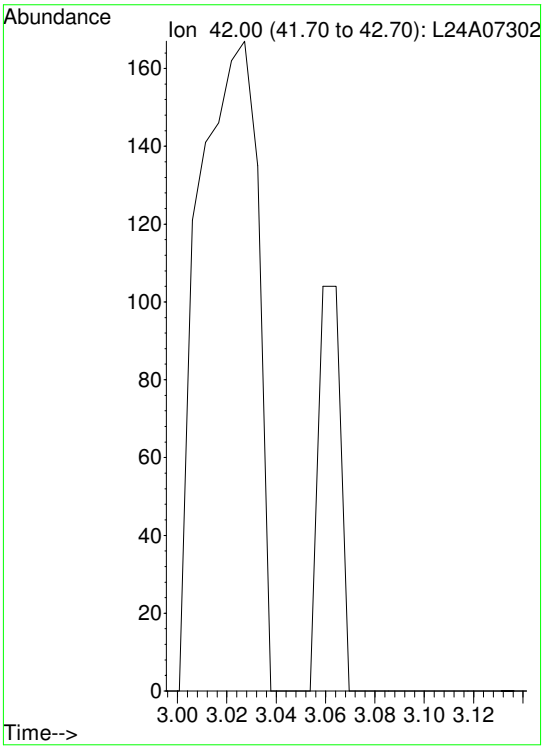
RT : 3.03
Area : 239
Amount: 0.0101122

Manual Int. Results

Fri Mar 15 11:08:45 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

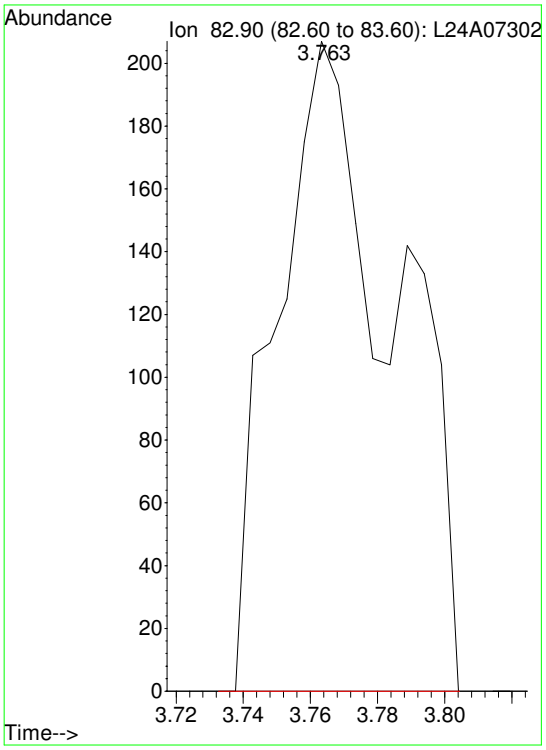
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073028.D
Acq On : 13 Mar 2024 11:50 pm
Operator : CMR
Sample : MBL 0.7X
Misc : 1,1,200,290,0.7X

Quant Time : Fri Mar 15 11:09:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMODICHLOROMETHANE



Original Int. Results

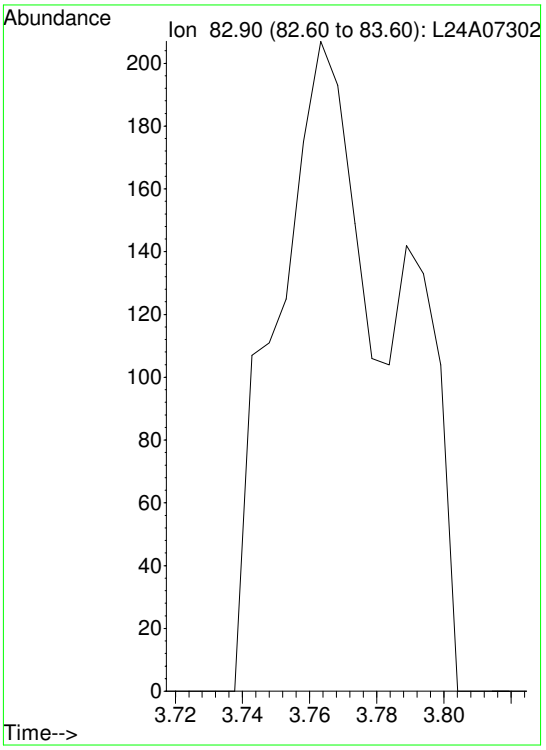
RT : 3.76
Area : 508
Amount: 0.0122488

Manual Int. Results

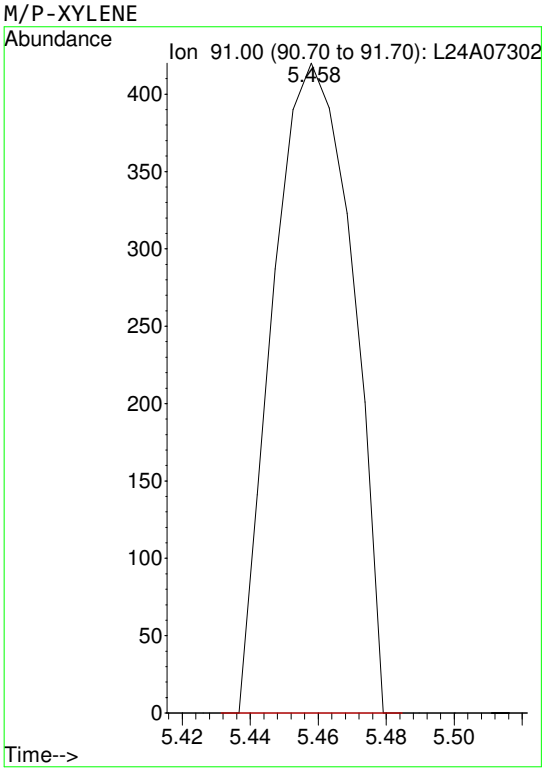
Fri Mar 15 11:08:40 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE



Original Integration
M/P-XYLENE



Original Int. Results

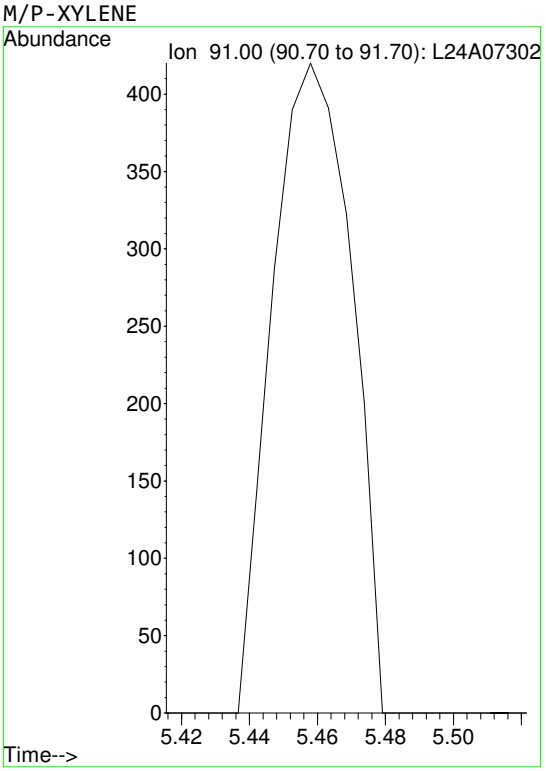
RT : 5.46
Area : 684
Amount: 0.0103421

Manual Int. Results

Fri Mar 15 11:08:34 2024

MIuser: TPH
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	3.92			
71-43-2	Benzene	5.13			
100-44-7	Benzyl chloride	4.42			
75-27-4	Bromodichloromethane	4.76			
75-25-2	Bromoform	4.73			
74-83-9	Bromomethane	5.42			
106-99-0	1,3-Butadiene	4.93			
78-93-3	2-Butanone (MEK)	4.40			
75-15-0	Carbon Disulfide	5.46			
56-23-5	Carbon Tetrachloride	4.64			
108-90-7	Chlorobenzene	5.21			
75-00-3	Chloroethane	4.96			
67-66-3	Chloroform	5.39			
74-87-3	Chloromethane	4.75			
110-82-7	Cyclohexane	5.01			
124-48-1	Dibromochloromethane	4.93			
106-93-4	1,2-Dibromoethane (EDB)	5.18			
95-50-1	1,2-Dichlorobenzene	5.17			
541-73-1	1,3-Dichlorobenzene	5.77			
106-46-7	1,4-Dichlorobenzene	5.82			
75-71-8	Dichlorodifluoromethane (Freon 12)	5.04			
75-34-3	1,1-Dichloroethane	4.66			
107-06-2	1,2-Dichloroethane	4.41			
75-35-4	1,1-Dichloroethylene	4.99			
156-59-2	cis-1,2-Dichloroethylene	5.14			
156-60-5	trans-1,2-Dichloroethylene	4.47			
78-87-5	1,2-Dichloropropane	5.44			
10061-01-5	cis-1,3-Dichloropropene	5.24			
10061-02-6	trans-1,3-Dichloropropene	4.88			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	4.88			
123-91-1	1,4-Dioxane	5.52			
64-17-5	Ethanol	5.16			
141-78-6	Ethyl Acetate	3.99			
100-41-4	Ethylbenzene	5.21			
622-96-8	4-Ethyltoluene	5.31			
142-82-5	Heptane	4.87			
87-68-3	Hexachlorobutadiene	4.35			
110-54-3	Hexane	4.11			
591-78-6	2-Hexanone (MBK)	4.77			
67-63-0	Isopropanol	4.54			
1634-04-4	Methyl tert-Butyl Ether (MTBE)	4.56			
75-09-2	Methylene Chloride	4.43			
108-10-1	4-Methyl-2-pentanone (MIBK)	5.24			
91-20-3	Naphthalene	4.87			
115-07-1	Propene	5.05			
100-42-5	Styrene	5.35			
79-34-5	1,1,2,2-Tetrachloroethane	5.92			
127-18-4	Tetrachloroethylene	5.06			
109-99-9	Tetrahydrofuran	4.27			
108-88-3	Toluene	5.31			
120-82-1	1,2,4-Trichlorobenzene	4.46			
71-55-6	1,1,1-Trichloroethane	4.42			
79-00-5	1,1,2-Trichloroethane	5.70			
79-01-6	Trichloroethylene	4.85			
75-69-4	Trichlorofluoromethane (Freon 11)	4.76			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	5.24			
95-63-6	1,2,4-Trimethylbenzene	5.20			
108-67-8	1,3,5-Trimethylbenzene	5.30			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-BS1	File ID:	L24A073025.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/13/24 22:21
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-05-4	Vinyl Acetate	4.77			
75-01-4	Vinyl Chloride	5.26			
179601-23-1	m&p-Xylene	10.6			
95-47-6	o-Xylene	5.38			

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	207683	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.538	114	632479	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.196	117	564467	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.867	49	227114	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.541	114	675850	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.199	117	620321	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.852	174	297884	7.667	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 95.88%			
87) 4-BROMOFLUOROBENZENE (...	5.855	174	313799	7.902	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 98.75%			
Target Compounds						Qvalue
2) PROPENE	1.519	41	53396	5.047	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.534	85	231170	5.036	PPBV	99
4) CHLOROMETHANE	1.570	50	75237	4.750	PPBV	96
5) FREON 114	1.601	85	226338	4.885	PPBV	96
6) VINYL CHLORIDE	1.626	62	97039	5.260	PPBV	100
7) 1,3-BUTADIENE	1.662	54	70566	4.932	PPBV	94
8) BROMOMETHANE	1.729	94	88837	5.424	PPBV	99
9) CHLOROETHANE	1.775	64	52983	4.957	PPBV	98
10) ACROLEIN	1.897	56	35769	4.340	PPBV	98
11) ACETONE	1.938	43	114094	3.916	PPBV	84
12) TRICHLOROFLUOROMETHANE	1.984	101	224350	4.757	PPBV	98
13) ETHANOL	1.805	45	23229	5.165	PPBV	100
14) 1,1-DICHLOROETHENE	2.169	61	146040	4.991	PPBV	91
15) METHYLENE CHLORIDE	2.207	49	100268	4.431	PPBV	83
16) FREON 113	2.297	101	195234	5.235	PPBV	95
17) CARBON DISULFIDE	2.297	76	292303	5.456	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.498	61	131018	4.473	PPBV	87
19) 1,1-DICHLOROETHANE	2.556	63	168457	4.659	PPBV	98
20) MTBE	2.588	73	251984	4.555	PPBV	97
21) IPA	2.015	45	139263	4.543	PPBV	96
22) 2-BUTANONE(MEK)	2.689	43	157746	4.398	PPBV	86
23) CIS-1,2-DICHLOROETHENE	2.816	61	121194	5.136	PPBV	86
24) VINYL ACETATE	2.610	43	181363m	4.773	PPBV	
25) HEXANE	2.896	41	79350	4.107	PPBV	80
26) ETHYL ACETATE	2.906	45	24740	3.987	PPBV	82
27) CHLOROFORM	2.912	83	201380	5.389	PPBV	99
28) TETRAHYDROFURAN	3.055	42	101055m	4.272	PPBV	
29) 1,2-DICHLOROETHANE	3.153	62	111805	4.407	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.245	97	177570	4.425	PPBV	96
32) BENZENE	3.400	78	294178	5.129	PPBV	91
33) CARBON TETRACHLORIDE	3.458	117	187503	4.641	PPBV	99
34) CYCLOHEXANE	3.501	84	119974	5.008	PPBV	87
35) 1,2-DICHLOROPROPANE	3.698	63	111929	5.441	PPBV	97
36) BROMODICHLOROMETHANE	3.765	83	209295	4.755	PPBV	99
37) TRICHLOROETHENE	3.785	95	128823	4.854	PPBV	96
38) 1,4-DIOXANE	3.801	88	76021	5.517	PPBV	92
39) METHYLMETHACRYLATE	3.877	69	106268	5.314	PPBV #	76
40) HEPTANE	3.918	57	88101	4.873	PPBV	86
41) MIBK	4.147	58	100057	5.242	PPBV #	82
42) CIS-1,3-DICHLOROPROPENE	4.111	75	164091	5.238	PPBV	98

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

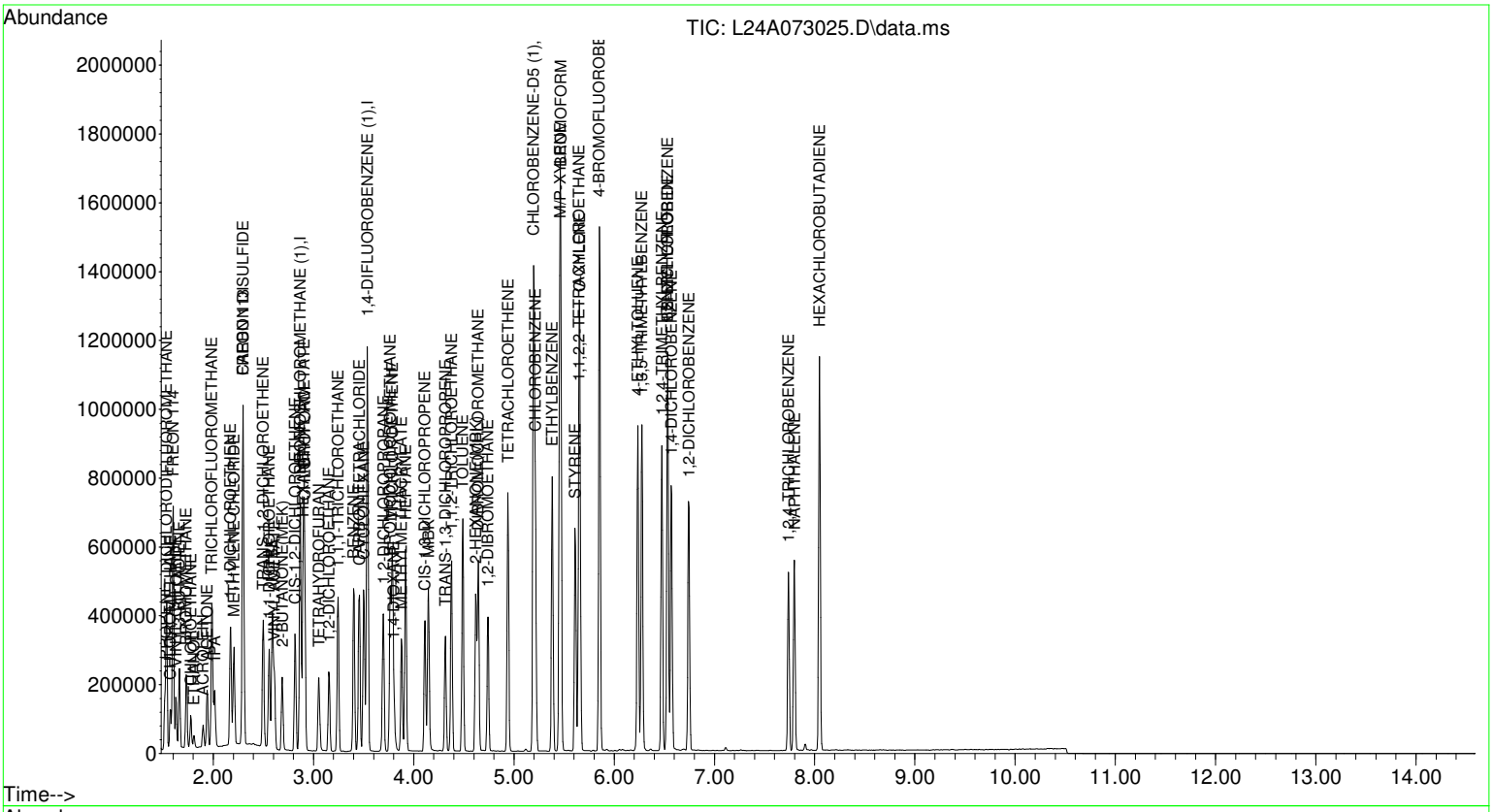
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

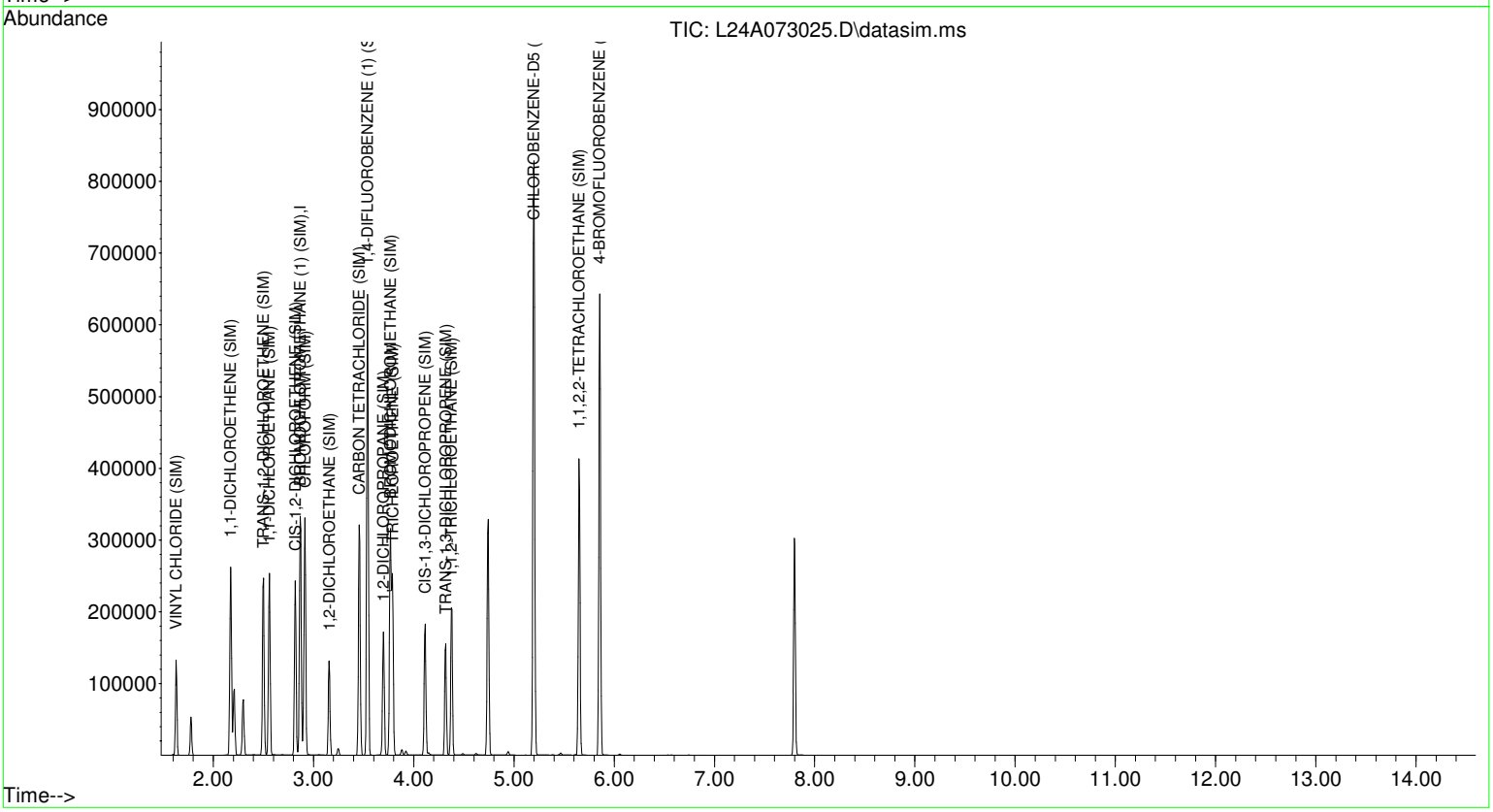
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) TRANS-1,3-DICHLOROPROPENE	4.316	75	135851	4.878	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.377	97	124458	5.696	PPBV	97
46) TOLUENE	4.490	91	351918	5.314	PPBV	100
47) 2-HEXANONE(MBK)	4.618	43	201674	4.769	PPBV	95
48) DIBROMOCHLOROMETHANE	4.643	129	196439	4.933	PPBV	97
49) 1,2-DIBROMOETHANE	4.740	107	185443	5.177	PPBV	100
50) TETRACHLOROETHENE	4.940	166	148902	5.055	PPBV	99
51) CHLOROBENZENE	5.212	112	265447	5.211	PPBV	96
52) ETHYLBENZENE	5.381	91	432888	5.213	PPBV	99
53) M/P-XYLENE	5.461	91	725691	10.591	PPBV	97
54) BROMOFORM	5.466	173	164484	4.732	PPBV	98
55) STYRENE	5.609	104	251963	5.346	PPBV	93
56) O-XYLENE	5.657	91	362388	5.378	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.646	83	285538	5.918	PPBV	97
59) 4-ETHYLTOLUENE	6.236	105	466917	5.306	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.277	105	394524	5.298	PPBV	97
61) 1,2,4-TRIMETHYLBENZENE	6.476	105	374352	5.195	PPBV	97
62) 1,3-DICHLOROBENZENE	6.532	146	255201	5.771	PPBV	98
63) BENZYL CHLORIDE	6.532	91	203170	4.417	PPBV	97
64) 1,4-DICHLOROBENZENE	6.568	146	238155	5.818	PPBV	97
65) 1,2-DICHLOROBENZENE	6.747	146	227396	5.169	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.737	180	116274	4.462	PPBV	97
67) NAPHTHALENE	7.799	128	327817	4.867	PPBV	98
68) HEXACHLOROBUTADIENE	8.049	225	145955	4.350	PPBV	99
70] VINYL CHLORIDE (SIM)	1.629	62	105217	5.535	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.172	61	158689	4.982	PPBV	90
72] TRANS-1,2-DICHLOROETHE...	2.501	61	144604	4.572	PPBV	91
73] 1,1-DICHLOROETHANE (SIM)	2.559	63	184251	4.756	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.819	61	133440	5.131	PPBV	89
75] CHLOROFORM (SIM)	2.915	83	217854	5.434	PPBV	100
76] 1,2-DICHLOROETHANE (SIM)	3.156	62	118876	4.481	PPBV	99
78] CARBON TETRACHLORIDE (...	3.456	117	205322	4.558	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.696	63	119773	5.470	PPBV	100
80] BROMODICHLOROMETHANE (...	3.768	83	224291	4.623	PPBV	100
81] TRICHLOROETHENE (SIM)	3.788	95	140695	4.950	PPBV	98
82] CIS-1,3-DICHLOROPROPEN...	4.114	75	173099	5.110	PPBV	98
83] TRANS-1,3-DICHLOROPROP...	4.319	75	145662	4.583	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.375	97	134447	5.562	PPBV	98
86] 1,1,2,2-TETRACHLOROETH...	5.649	83	301578	5.726	PPBV	100

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

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073025.D Vial: 3
Acq On : 13 Mar 2024 10:21 pm Operator: CMR
Sample : 5.0PPBV LCS Inst : SYSL
Misc : CTWS-4167-2056 03/19 Multiplr: 1.00
Quant Time: Mar 14 15:38:52 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073025.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

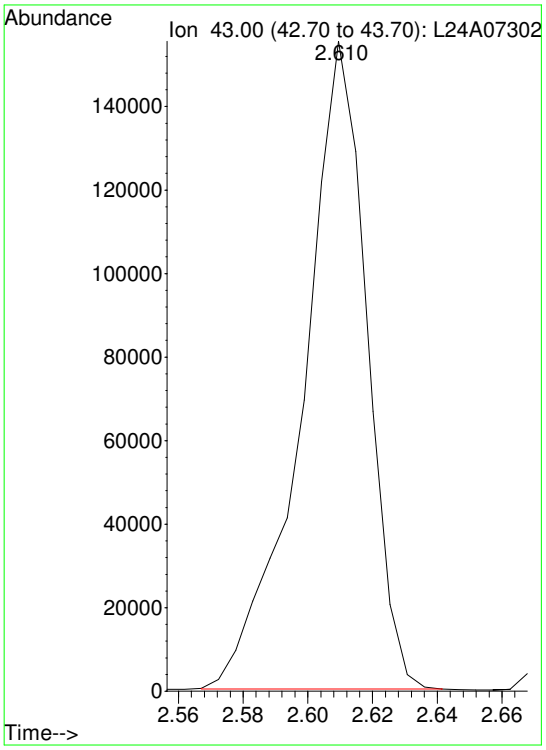




Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073025.D
Acq On : 13 Mar 2024 10:21 pm
Operator : CMR
Sample : 5.0PPBV LCS
Misc : CTWS-4167-2056 03/19

Quant Time : Fri Mar 15 11:07:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
VINYL ACETATE



Original Int. Results

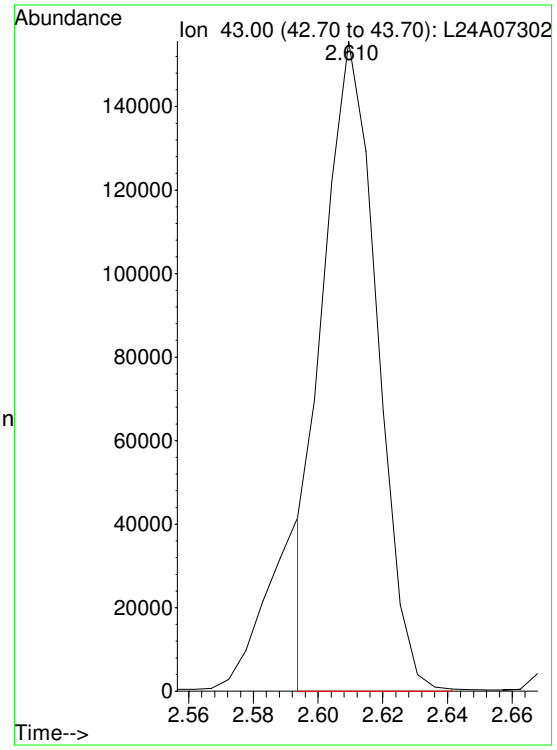
RT : 2.61
Area : 213093
Amount: 5.60859

Manual Int. Results

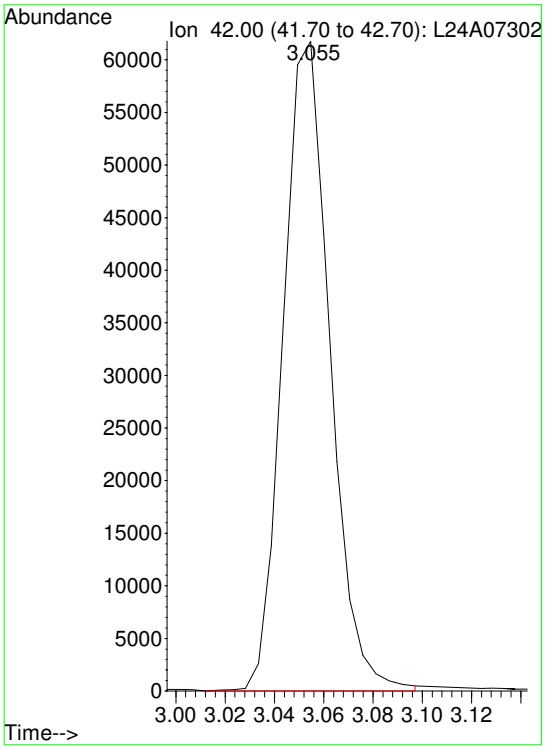
Fri Mar 15 11:07:22 2024

MIuser: TPH
Reason: Incorret Integration
RT : 2.61
Area : 181363
Amount: 4.77346

Manual Integration
VINYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

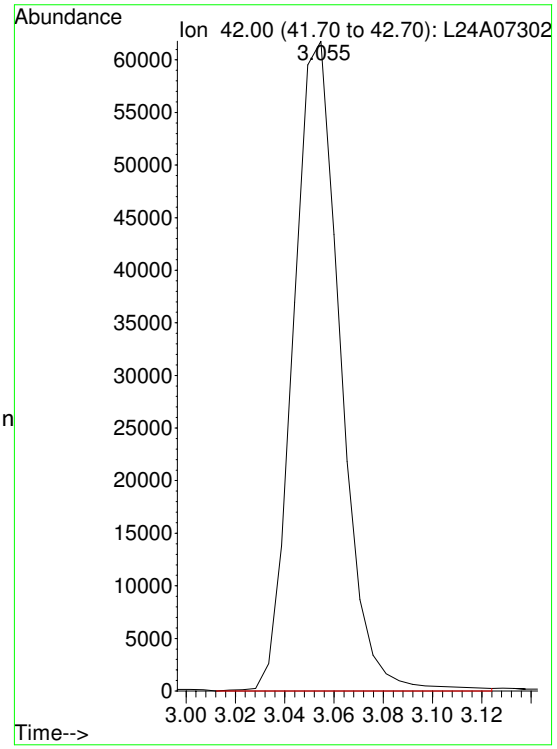
RT : 3.05
Area : 81430
Amount: 3.4424

Manual Int. Results

Fri Mar 15 11:07:34 2024

MIuser: TPH
Reason: Incorret Integration
RT : 3.05
Area : 101055
Amount: 4.27204

Manual Integration
TETRAHYDROFURAN



1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-DUP1	File ID:	L24A073036.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:59
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	8.5	2.0	4.0	
71-43-2	Benzene	0.052	0.031	0.10	J
100-44-7	Benzyl chloride		0.054	0.10	
75-27-4	Bromodichloromethane		0.041	0.10	
75-25-2	Bromoform		0.036	0.10	
74-83-9	Bromomethane		0.085	0.10	
106-99-0	1,3-Butadiene		0.084	0.10	
78-93-3	2-Butanone (MEK)		2.0	4.0	
75-15-0	Carbon Disulfide		0.19	1.0	
56-23-5	Carbon Tetrachloride		0.079	0.10	
108-90-7	Chlorobenzene		0.033	0.10	
75-00-3	Chloroethane		0.092	0.10	
67-66-3	Chloroform	6.8	0.049	0.10	
74-87-3	Chloromethane		0.13	0.20	
110-82-7	Cyclohexane		0.078	0.10	
124-48-1	Dibromochloromethane		0.067	0.10	
106-93-4	1,2-Dibromoethane (EDB)		0.062	0.10	
95-50-1	1,2-Dichlorobenzene		0.035	0.10	
541-73-1	1,3-Dichlorobenzene		0.037	0.10	
106-46-7	1,4-Dichlorobenzene		0.048	0.10	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.35	0.042	0.10	R-04
75-34-3	1,1-Dichloroethane		0.049	0.10	
107-06-2	1,2-Dichloroethane		0.038	0.10	
75-35-4	1,1-Dichloroethylene		0.070	0.10	
156-59-2	cis-1,2-Dichloroethylene		0.048	0.10	
156-60-5	trans-1,2-Dichloroethylene		0.047	0.10	
78-87-5	1,2-Dichloropropane		0.074	0.10	
10061-01-5	cis-1,3-Dichloropropene		0.051	0.10	
10061-02-6	trans-1,3-Dichloropropene		0.097	0.10	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-DUP1	File ID:	L24A073036.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:59
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941	Instrument:	SYSL
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.040	0.10	
123-91-1	1,4-Dioxane		0.49	1.0	
64-17-5	Ethanol	9.2	2.7	4.0	
141-78-6	Ethyl Acetate		0.39	1.0	
100-41-4	Ethylbenzene		0.034	0.10	
622-96-8	4-Ethyltoluene		0.043	0.10	
142-82-5	Heptane	0.12	0.063	0.10	
87-68-3	Hexachlorobutadiene		0.058	0.10	
110-54-3	Hexane		2.1	4.0	
591-78-6	2-Hexanone (MBK)		0.043	0.10	
67-63-0	Isopropanol		2.1	4.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.049	0.10	
75-09-2	Methylene Chloride		0.27	1.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.053	0.10	
91-20-3	Naphthalene		0.081	0.10	
115-07-1	Propene		2.2	4.0	
100-42-5	Styrene		0.077	0.10	
79-34-5	1,1,2,2-Tetrachloroethane		0.025	0.10	
127-18-4	Tetrachloroethylene	0.12	0.086	0.10	
109-99-9	Tetrahydrofuran		0.38	1.0	
108-88-3	Toluene	0.060	0.050	0.10	J
120-82-1	1,2,4-Trichlorobenzene		0.055	0.10	
71-55-6	1,1,1-Trichloroethane	0.24	0.031	0.10	
79-00-5	1,1,2-Trichloroethane		0.035	0.10	
79-01-6	Trichloroethylene		0.077	0.10	
75-69-4	Trichlorofluoromethane (Freon 11)	0.26	0.041	0.40	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.090	0.027	0.40	J
95-63-6	1,2,4-Trimethylbenzene		0.060	0.10	
108-67-8	1,3,5-Trimethylbenzene		0.077	0.10	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24C0251
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	DW_South Shore Outdoor (AIR)	
Matrix:	Air	Laboratory ID:	B368536-DUP1	File ID:	L24A073036.D
Sampled:		Prepared:	03/13/24 10:00	Analyzed:	03/14/24 03:59
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B368536	Sequence:	S101690	Calibration:	2300941
Instrument:	SYSL				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-05-4	Vinyl Acetate		0.41	2.0	
75-01-4	Vinyl Chloride		0.051	0.10	
179601-23-1	m&p-Xylene		0.070	0.20	
95-47-6	o-Xylene		0.037	0.10	

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073036.D Vial: 31
Acq On : 14 Mar 2024 03:59 am Operator: CMR
Sample : 24C0251-10DUP 2X Inst : SYSL
Misc : 1.5,1,200,150,2XDUP Multiplr: 1.00
Quant Time: Mar 14 15:39:08 2024

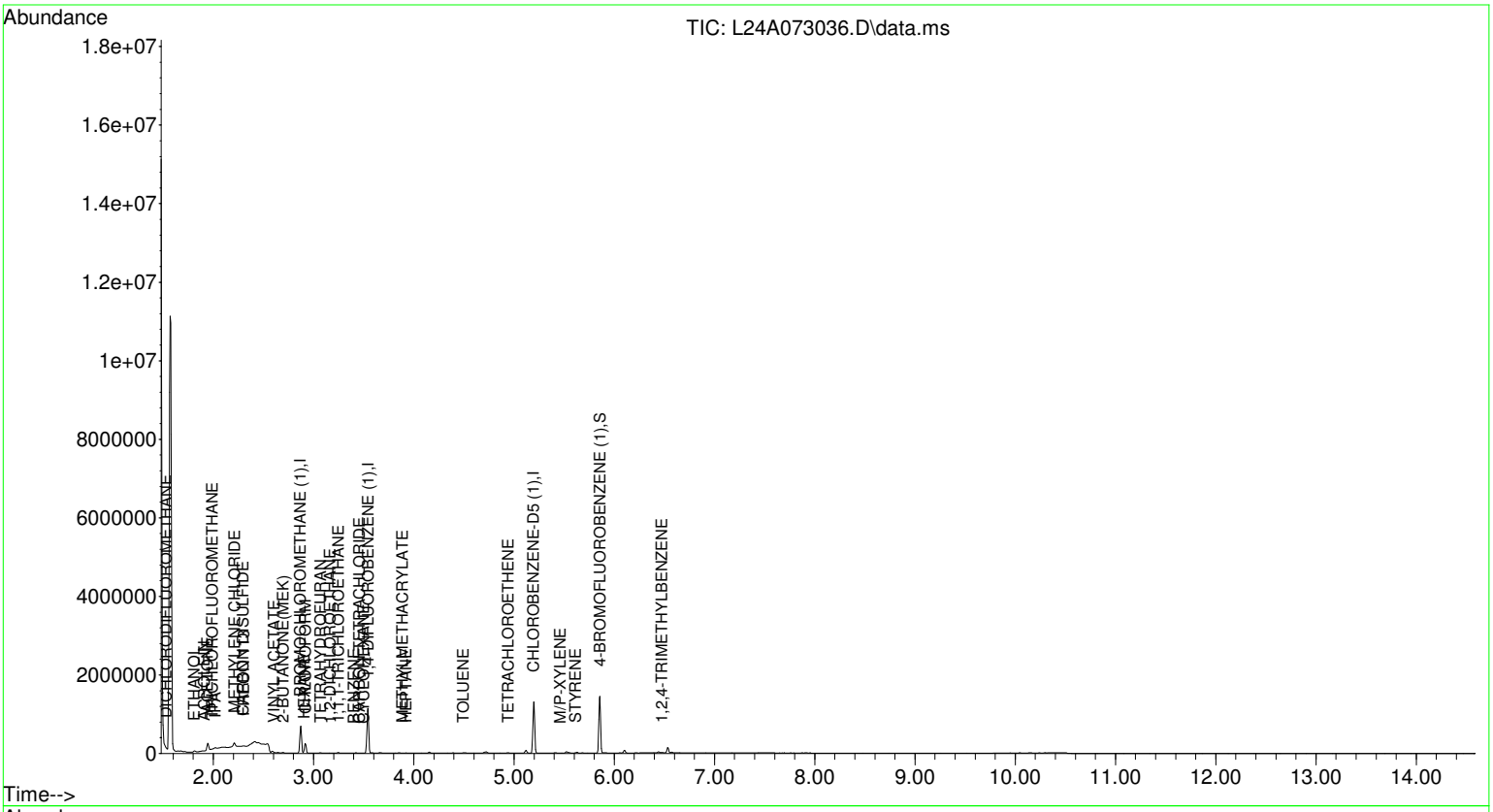
Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073036.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M

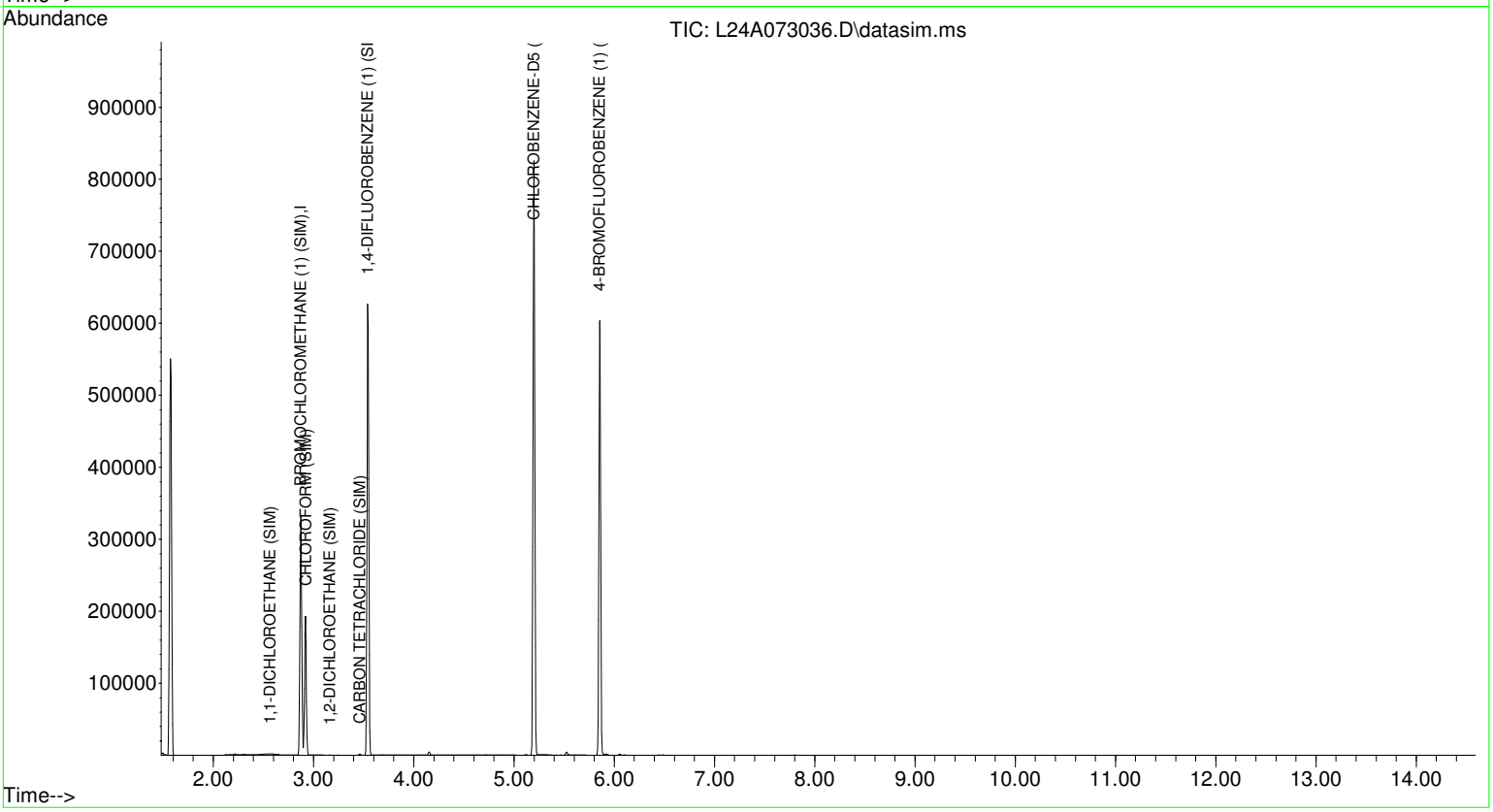
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.869	49	208764	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.543	114	629868	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.194	117	563581	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.872	49	229717	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.540	114	665972	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.197	117	627934	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.856	174	286315	7.381	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 92.25%			
87) 4-BROMOFLUOROBENZENE (...	5.854	174	304685	7.579	PPBV	0.00
Spiked Amount 8.000	Range 70 - 130		Recovery = 94.75%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.529	85	8138	0.176	PPBV	84
10) ACROLEIN	1.908	56	1569	0.189	PPBV #	54
11) ACETONE	1.944	43	125157	4.274	PPBV	78
12) TRICHLOROFLUOROMETHANE	1.990	101	6140	0.130	PPBV	98
13) ETHANOL	1.811	45	20702	4.579	PPBV	94
15) METHYLENE CHLORIDE	2.212	49	1115	0.049	PPBV	94
16) FREON 113	2.302	101	1686	0.045	PPBV	78
17) CARBON DISULFIDE	2.297	76	566	0.011	PPBV #	71
21) IPA	2.020	45	26370	0.856	PPBV	99
22) 2-BUTANONE(MEK)	2.694	43	13484	0.374	PPBV	90
24) VINYL ACETATE	2.604	43	6074	0.159	PPBV	78
25) HEXANE	2.906	41	1353	0.070	PPBV #	37
27) CHLOROFORM	2.917	83	128327	3.417	PPBV	98
28) TETRAHYDROFURAN	3.071	42	3625	0.152	PPBV #	23
29) 1,2-DICHLOROETHANE	3.163	62	467	0.018	PPBV #	81
31) 1,1,1-TRICHLOROETHANE	3.250	97	4791	0.120	PPBV	97
32) BENZENE	3.405	78	1490	0.026	PPBV	76
33) CARBON TETRACHLORIDE	3.458	117	849	0.021	PPBV	92
34) CYCLOHEXANE	3.500	84	636	0.027	PPBV	98
39) METHYLMETHACRYLATE	3.887	69	1092	0.055	PPBV #	48
40) HEPTANE	3.923	57	1123	0.062	PPBV #	61
46) TOLUENE	4.494	91	1971	0.030	PPBV	91
50) TETRACHLOROETHENE	4.939	166	1810	0.062	PPBV	98
53) M/P-XYLENE	5.459	91	839	0.012	PPBV	84
55) STYRENE	5.613	104	1467	0.031	PPBV	76
61) 1,2,4-TRIMETHYLBENZENE	6.474	105	1086	0.015	PPBV #	80
73] 1,1-DICHLOROETHANE (SIM)	2.565	63	486	0.012	PPBV #	3
75] CHLOROFORM (SIM)	2.920	83	136577	3.368	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.160	62	410	0.015	PPBV	97
78] CARBON TETRACHLORIDE (...	3.461	117	955	0.022	PPBV	99

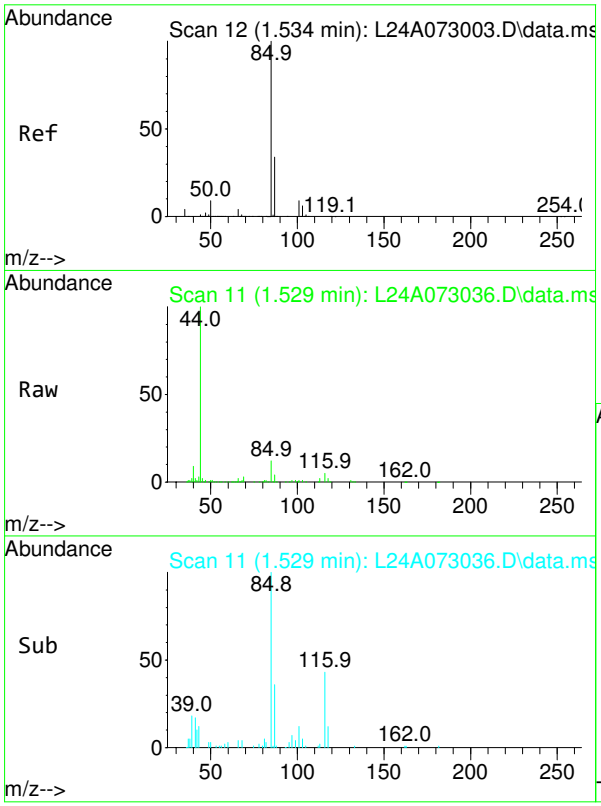
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MassHunter\GCMS\1...\L031324\L24A073036.D Vial: 31
Acq On : 14 Mar 2024 03:59 am Operator: CMR
Sample : 24C0251-10DUP 2X Inst : SYSL
Misc : 1.5,1,200,150,2XDUP Multiplr: 1.00
Quant Time: Mar 14 15:39:08 2024

Data File: D:\MassHunter\GCMS\1\data\L031324\L24A073036.D
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed Nov 01 12:42:22 2023
Response via : Initial Calibration
DataAcq Meth:TOSIMSCAN-TW1.M



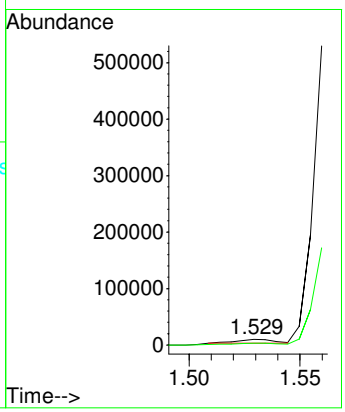


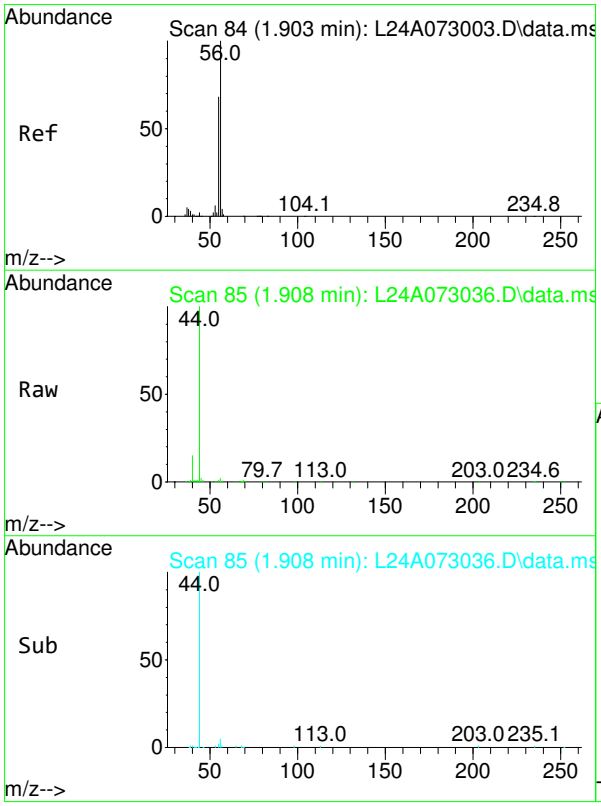


#3
DICHLORODIFLUOROMETHANE
Concen: 0.18 PPBV
RT: 1.529 min Scan# 11
Delta R.T. -0.006 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 85 Resp: 8138

Ion	Ratio	Lower	Upper
85	100		
87	41.0	12.0	52.0

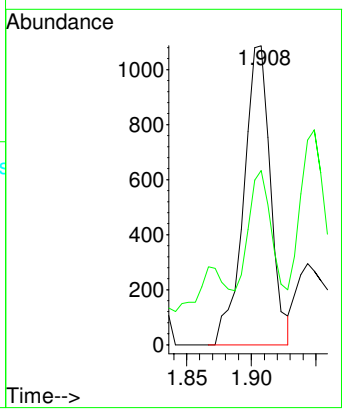


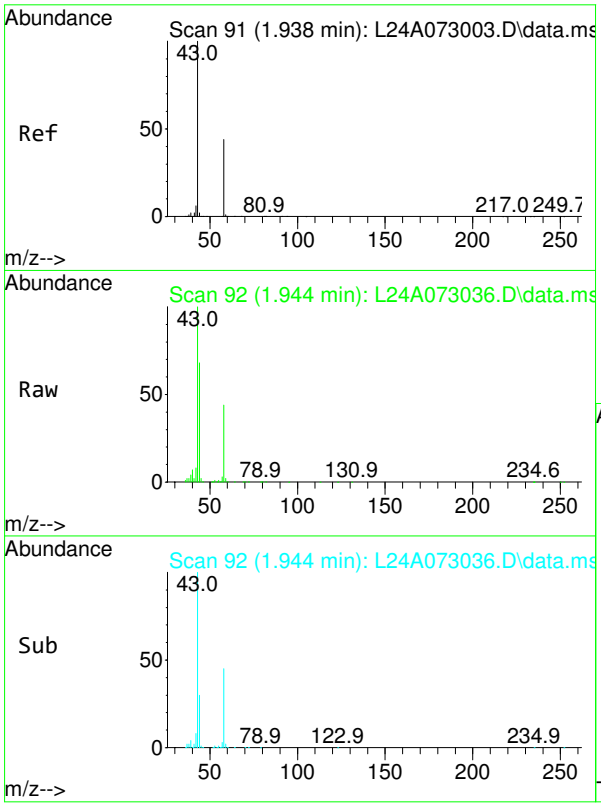


#10
ACROLEIN
Concen: 0.19 PPBV
RT: 1.908 min Scan# 85
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 56 Resp: 1569

Ion	Ratio	Lower	Upper
56	100		
55	33.1	51.4	91.4#

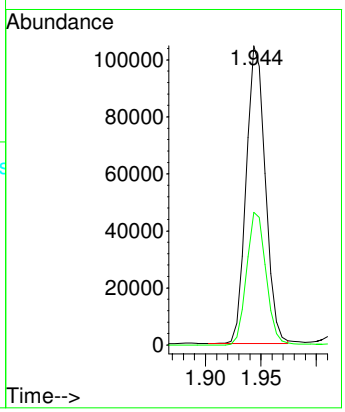


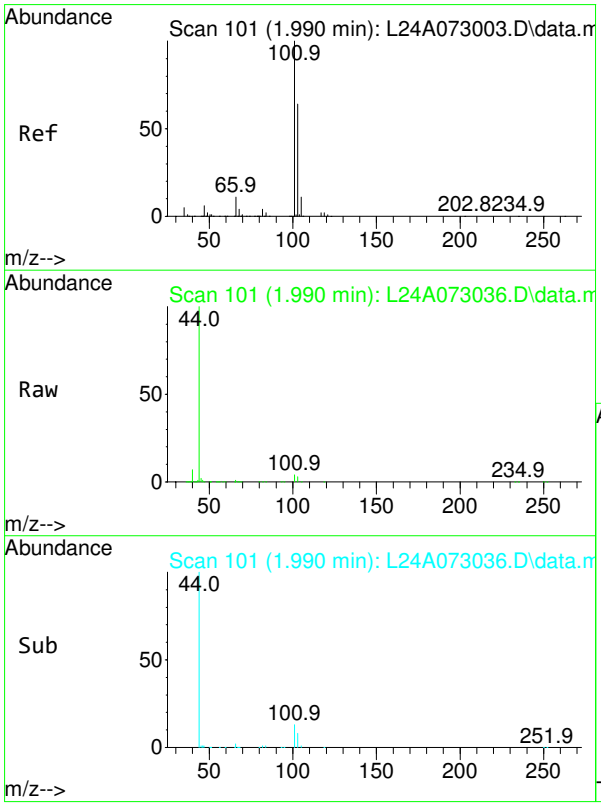


#11
ACETONE
Concen: 4.27 PPBV
RT: 1.944 min Scan# 92
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 43 Resp: 125157

Ion	Ratio	Lower	Upper
43	100		
58	45.3	13.1	53.1

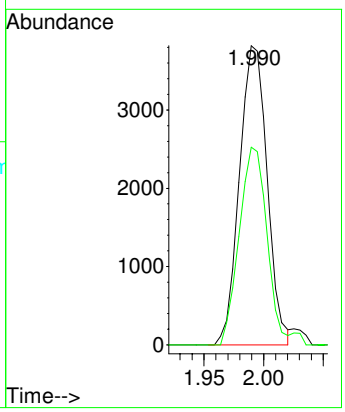


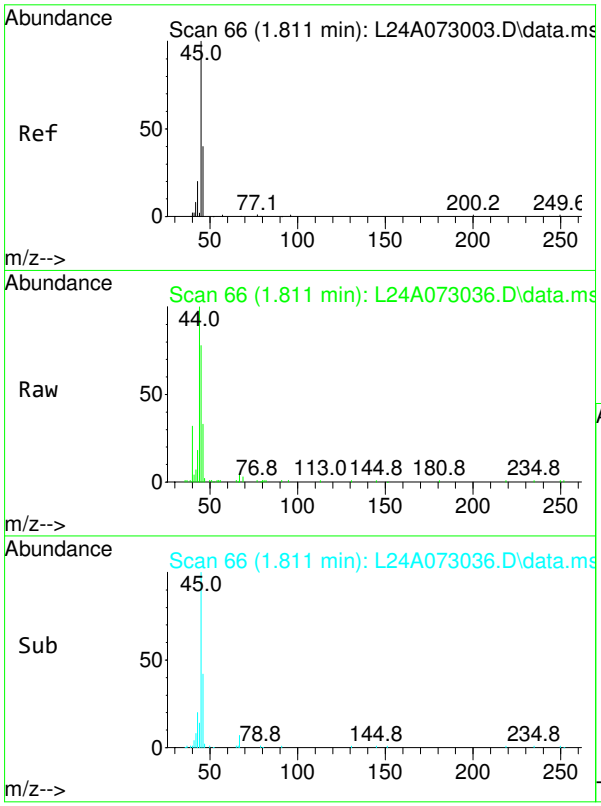


#12
TRICHLOROFLUOROMETHANE
Concen: 0.13 PPBV
RT: 1.990 min Scan# 101
Delta R.T. 0.003 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:101 Resp: 6140

Ion	Ratio	Lower	Upper
101	100		
103	66.0	44.7	84.7

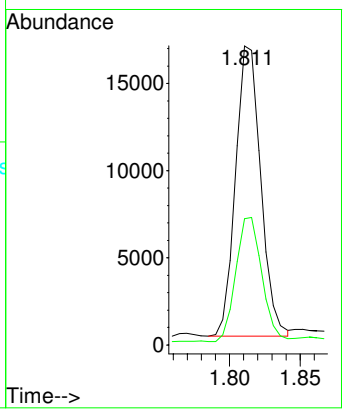


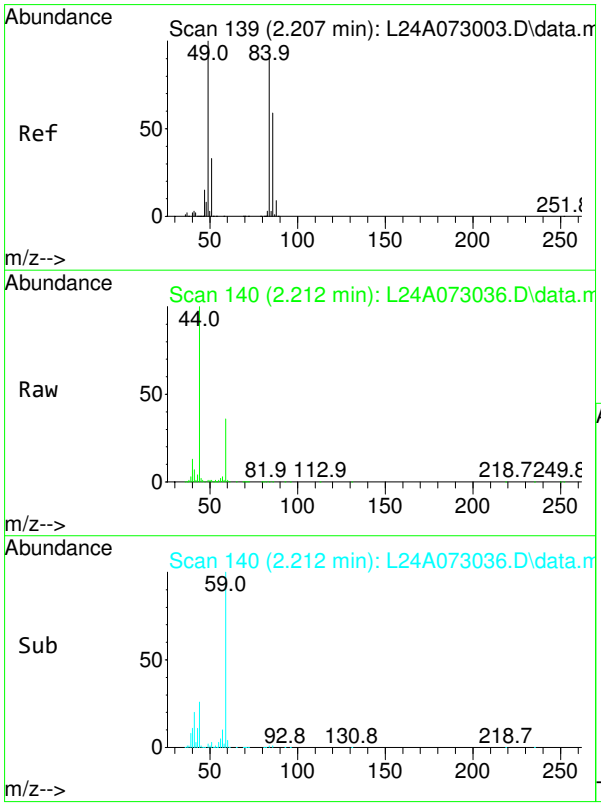


#13
ETHANOL
Concen: 4.58 PPBV
RT: 1.811 min Scan# 66
Delta R.T. 0.003 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 45 Resp: 20702

Ion	Ratio	Lower	Upper
45	100		
46	44.0	20.5	60.5

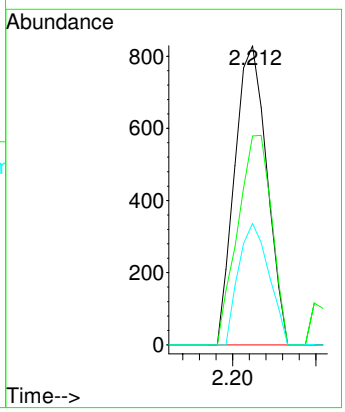


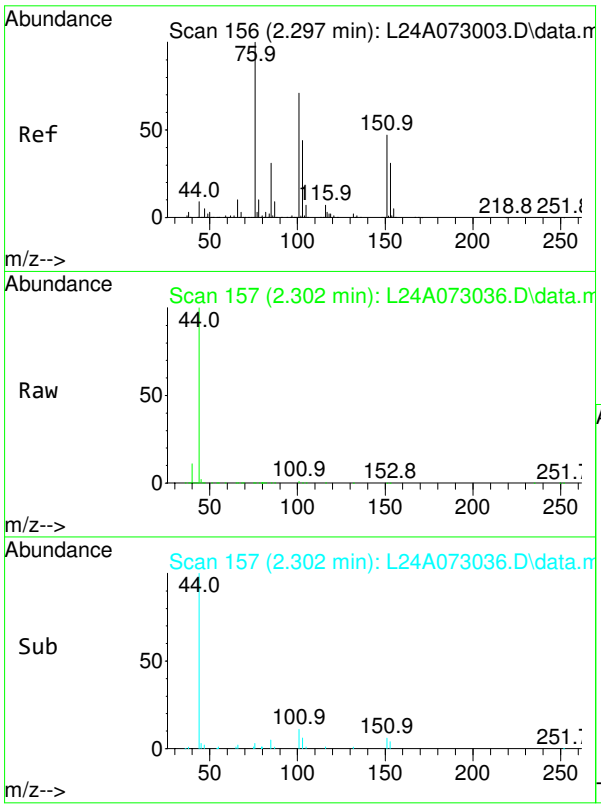


#15
METHYLENE CHLORIDE
Concen: 0.05 PPBV
RT: 2.212 min Scan# 140
Delta R.T. 0.004 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 49 Resp: 1115

Ion	Ratio	Lower	Upper
49	100		
84	73.7	52.0	92.0
86	38.5	27.3	67.3

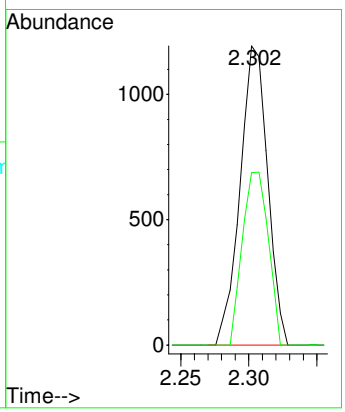


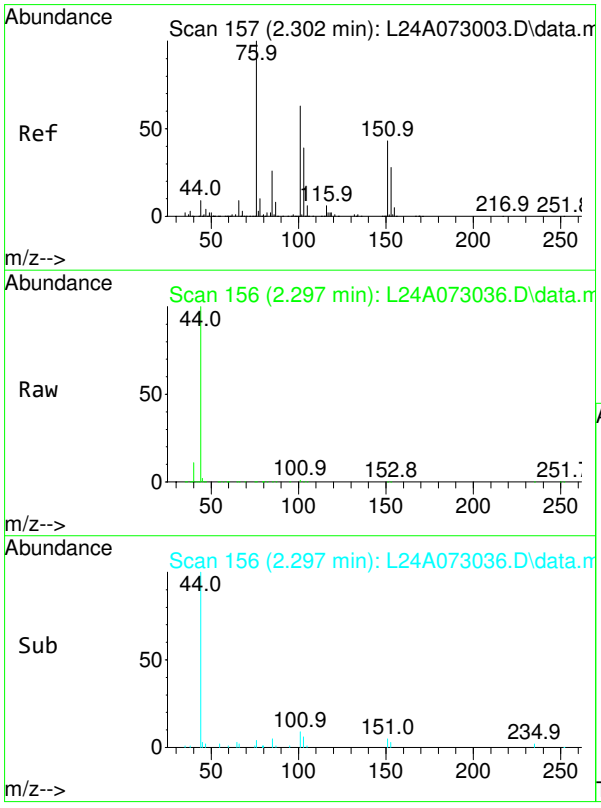


#16
FREON 113
Concen: 0.04 PPBV
RT: 2.302 min Scan# 157
Delta R.T. 0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:101 Resp: 1686

Ion	Ratio	Lower	Upper
101	100		
151	54.2	52.3	92.3

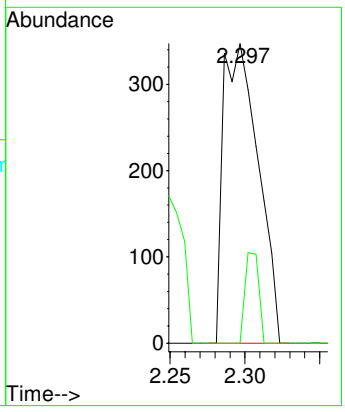


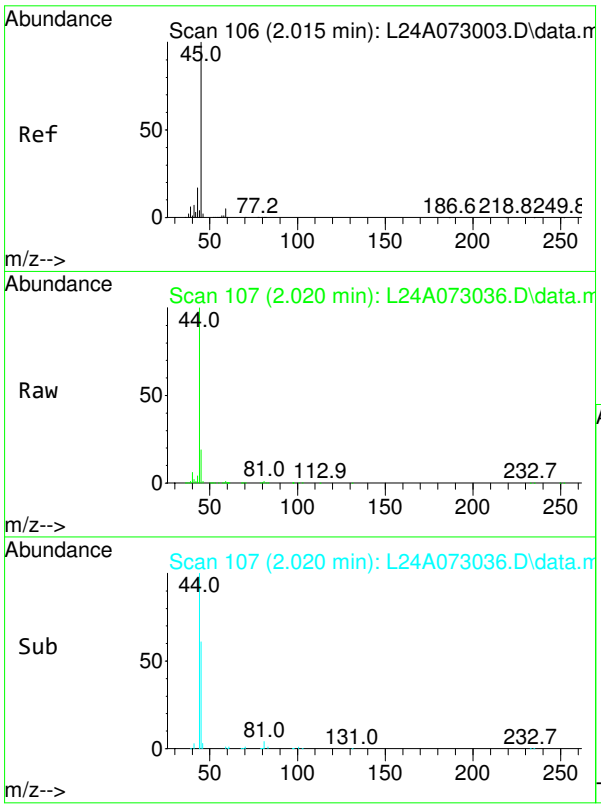


#17
CARBON DISULFIDE
Concen: 0.01 PPBV
RT: 2.297 min Scan# 156
Delta R.T. -0.004 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 76 Resp: 566

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	31.1

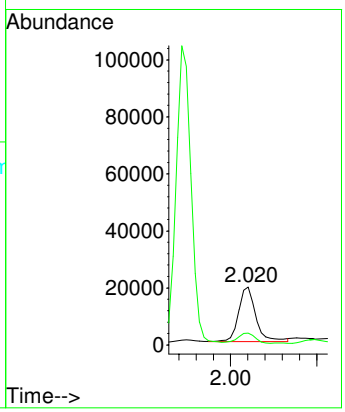


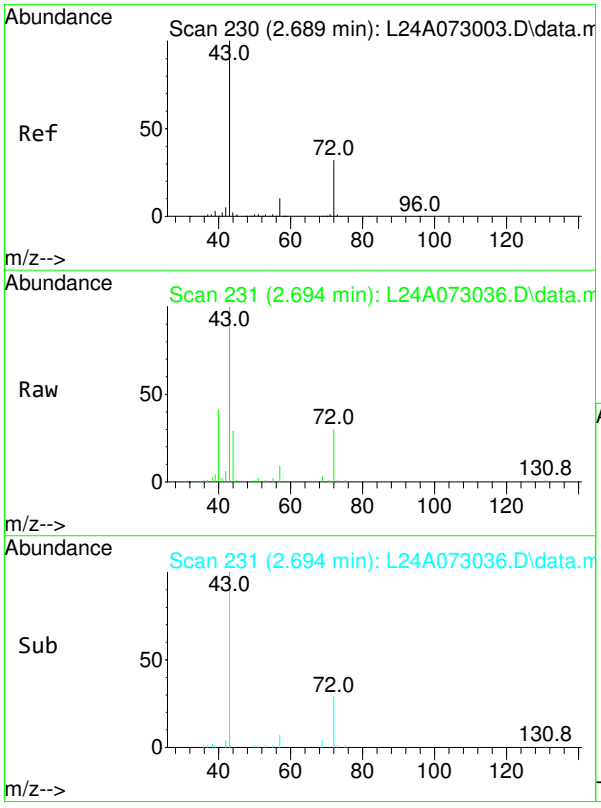


#21
IPA
Concen: 0.86 PPBV
RT: 2.020 min Scan# 107
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 45 Resp: 26370

Ion	Ratio	Lower	Upper
45	100		
43	19.6	0.0	39.3

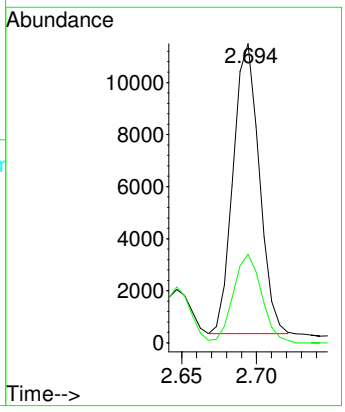


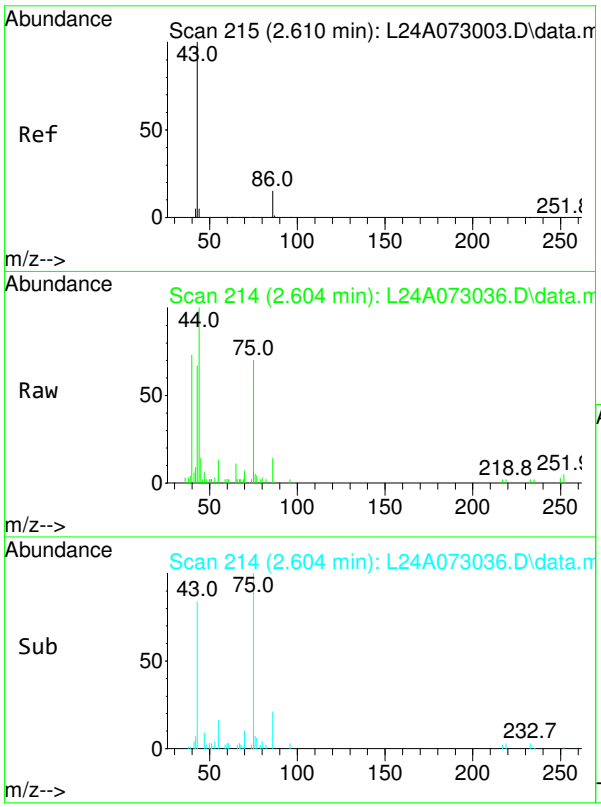


#22
2-BUTANONE(MEK)
Concen: 0.37 PPBV
RT: 2.694 min Scan# 231
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 43 Resp: 13484

Ion	Ratio	Lower	Upper
43	100		
72	30.7	5.6	45.6

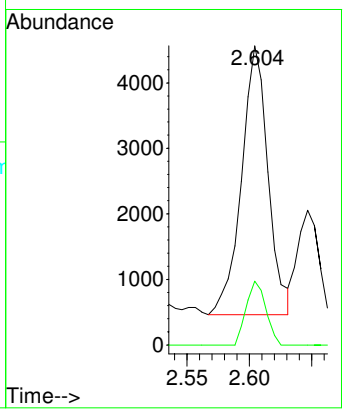


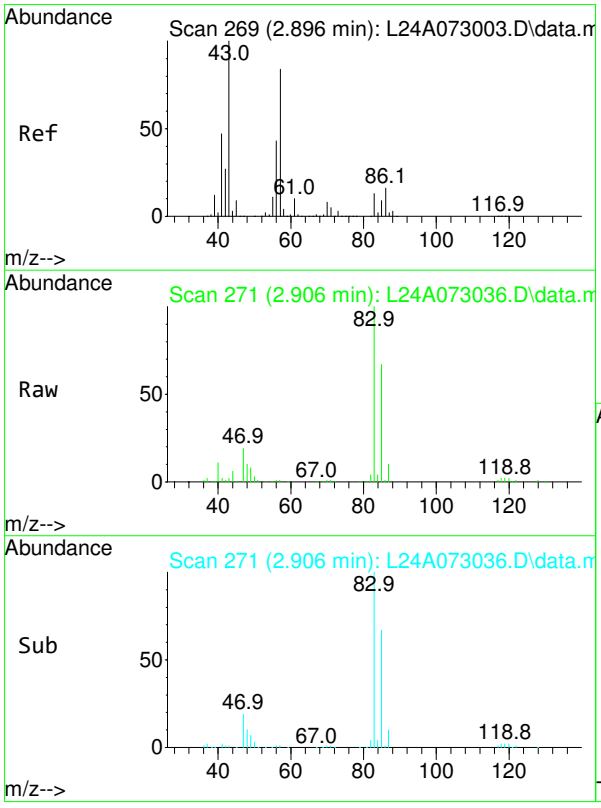


#24
VINYL ACETATE
Concen: 0.16 PPBV
RT: 2.604 min Scan# 214
Delta R.T. -0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 43 Resp: 6074

Ion	Ratio	Lower	Upper
43	100		
86	17.6	0.0	19.5

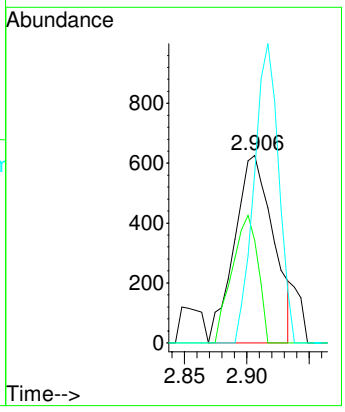


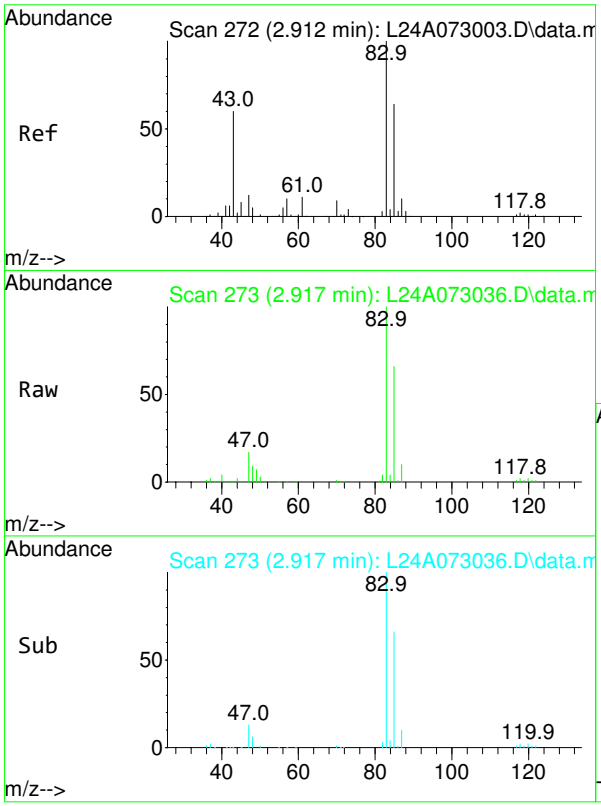


#25
HEXANE
Concen: 0.07 PPBV
RT: 2.906 min Scan# 271
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 41 Resp: 1353

Ion	Ratio	Lower	Upper
41	100		
56	45.4	52.3	92.3#
86	101.3	16.1	36.1#

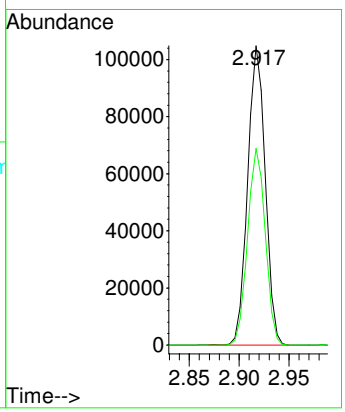


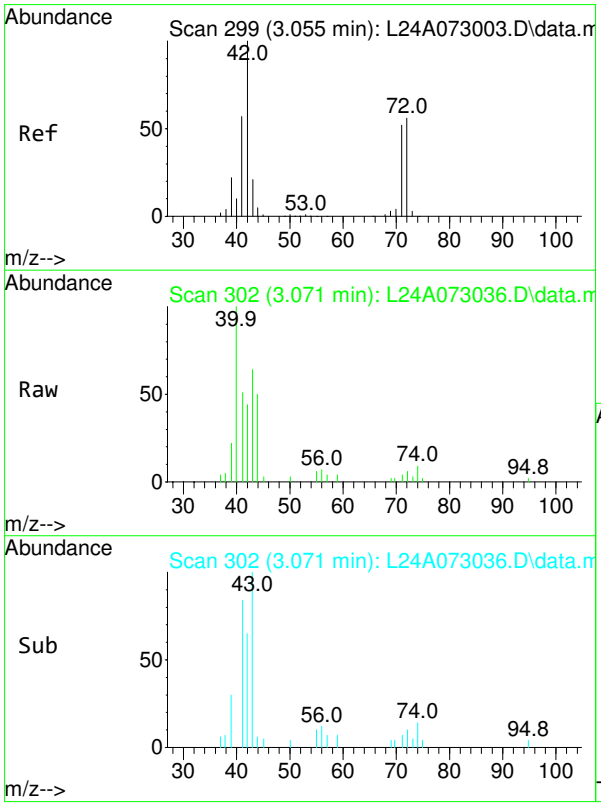


#27
CHLOROFORM
Concen: 3.42 PPBV
RT: 2.917 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 83 Resp: 128327

Ion	Ratio	Lower	Upper
83	100		
85	66.3	44.8	84.8

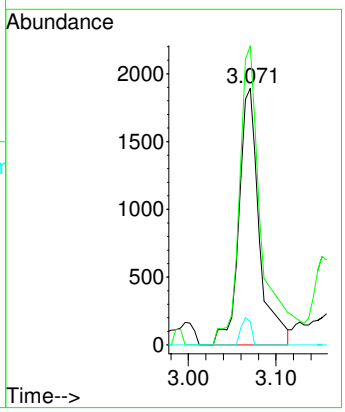


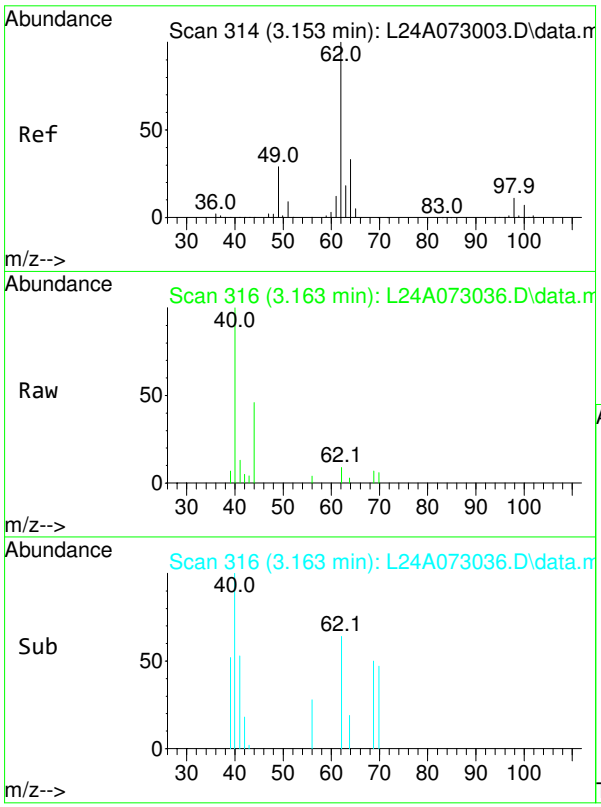


#28
TETRAHYDROFURAN
Concen: 0.15 PPBV
RT: 3.071 min Scan# 302
Delta R.T. 0.020 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 42 Resp: 3625

Ion	Ratio	Lower	Upper
42	100		
41	117.5	33.5	73.5#
71	4.4	24.0	64.0#

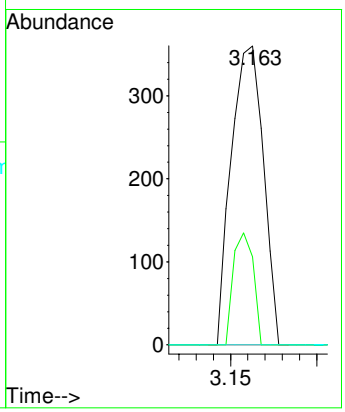


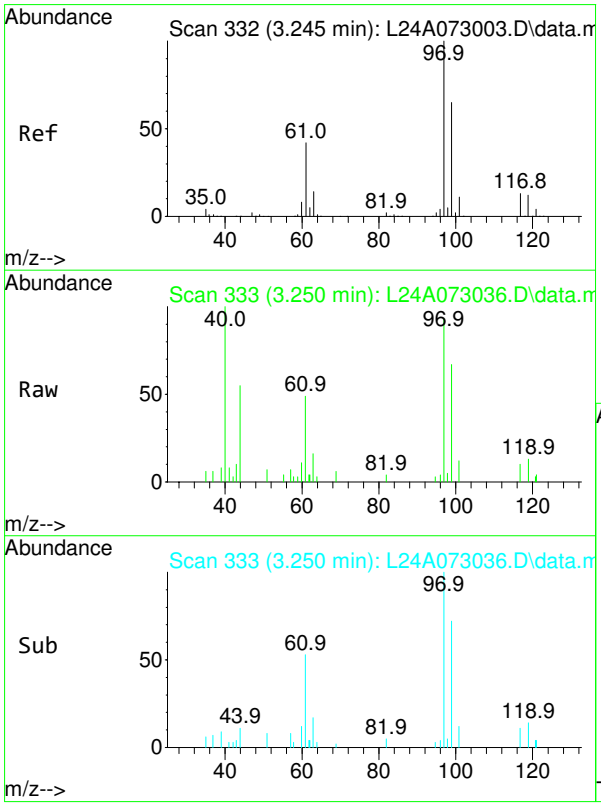


#29
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 3.163 min Scan# 316
Delta R.T. 0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 62 Resp: 467

Ion	Ratio	Lower	Upper
62	100		
64	23.3	13.0	53.0
98	0.0	0.0	19.3

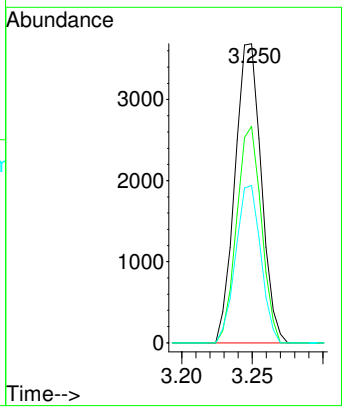


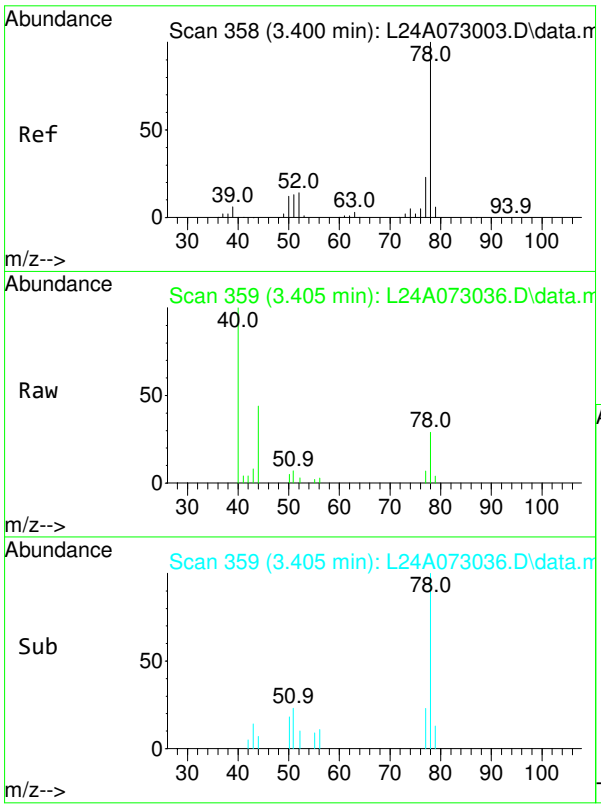


#31
1,1,1-TRICHLOROETHANE
Concen: 0.12 PPBV
RT: 3.250 min Scan# 333
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 97 Resp: 4791

Ion	Ratio	Lower	Upper
97	100		
99	67.9	45.3	85.3
61	50.2	28.1	68.1

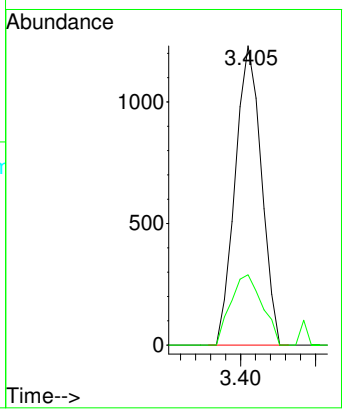


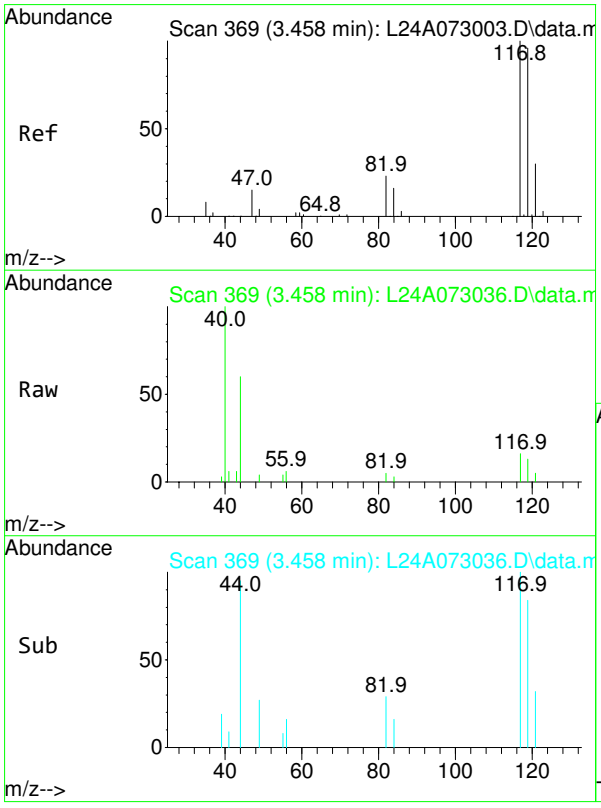


#32
BENZENE
Concen: 0.03 PPBV
RT: 3.405 min Scan# 359
Delta R.T. 0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 78 Resp: 1490

Ion	Ratio	Lower	Upper
78	100		
51	28.4	0.0	37.7

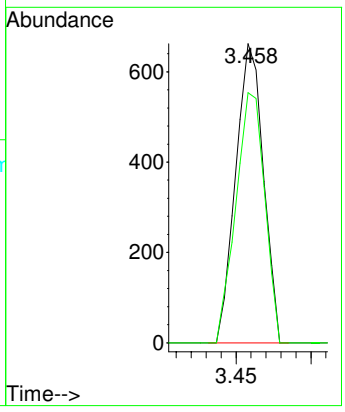


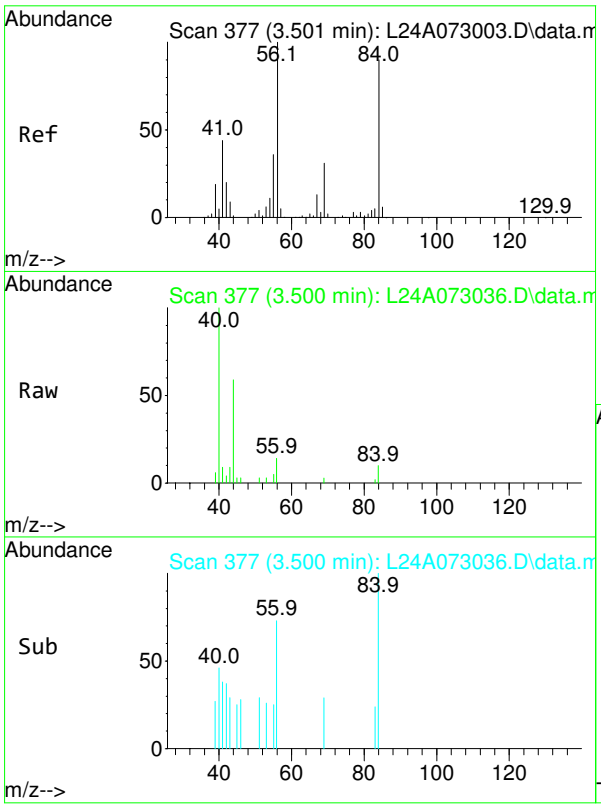


#33
CARBON TETRACHLORIDE
Concen: 0.02 PPBV
RT: 3.458 min Scan# 369
Delta R.T. 0.000 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:117 Resp: 849

Ion	Ratio	Lower	Upper
117	100		
119	87.2	75.3	115.3

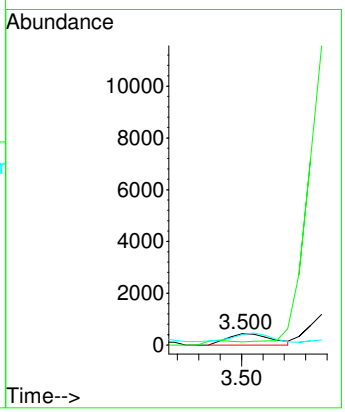


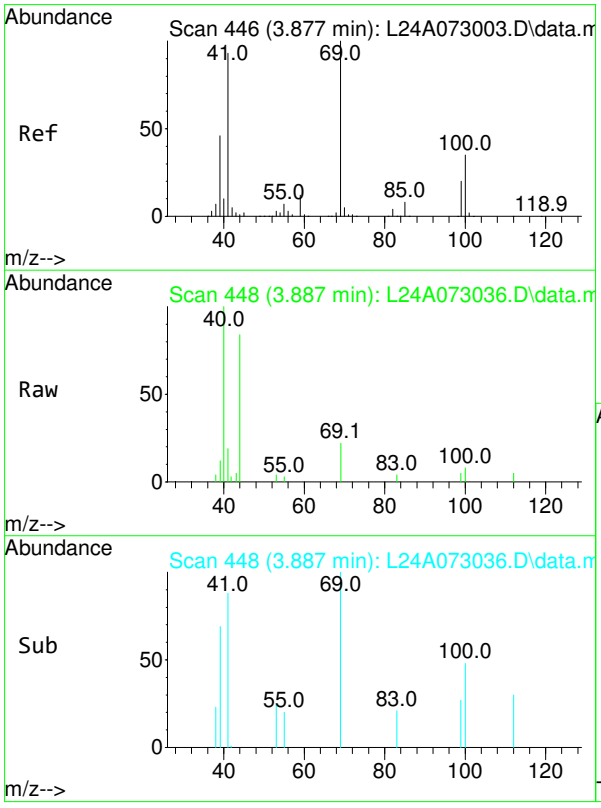


#34
CYCLOHEXANE
Concen: 0.03 PPBV
RT: 3.500 min Scan# 377
Delta R.T. -0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 84 Resp: 636

Ion	Ratio	Lower	Upper
84	100		
69	37.7	17.7	57.7
41	66.8	44.6	84.6

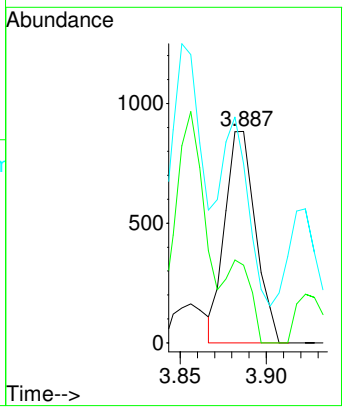


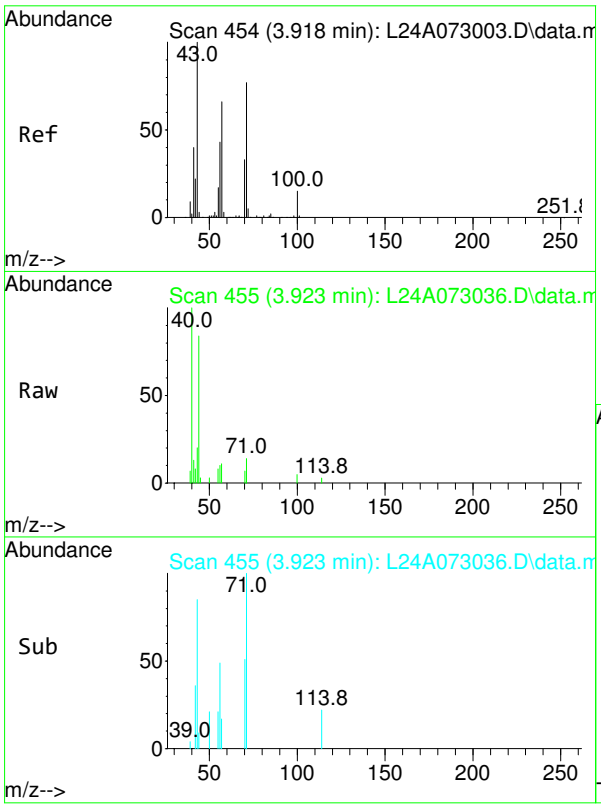


#39
METHYLMETHACRYLATE
Concen: 0.05 PPBV
RT: 3.887 min Scan# 448
Delta R.T. 0.005 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 69 Resp: 1092

Ion	Ratio	Lower	Upper
69	100		
100	0.0	18.0	58.0#
41	68.3	102.8	142.8#

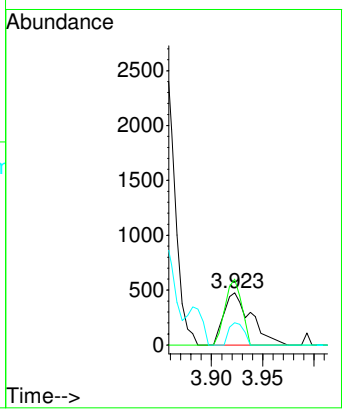


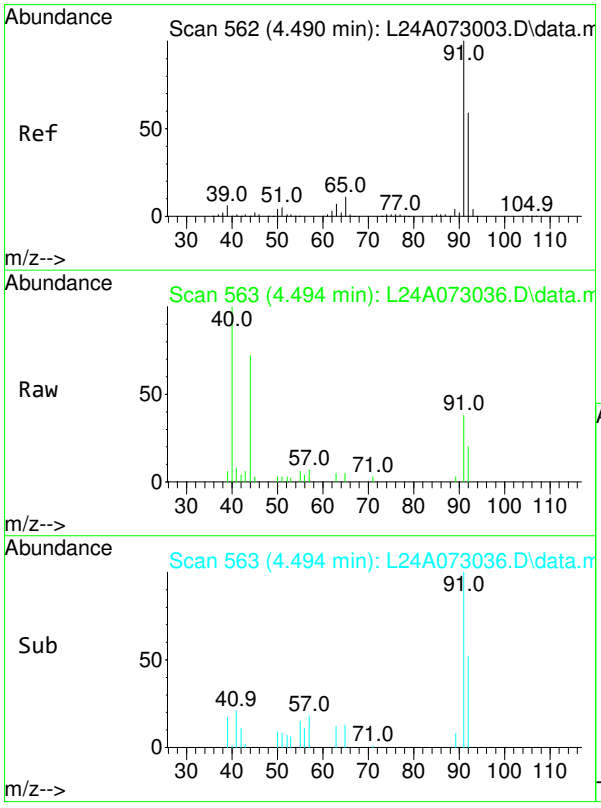


#40
HEPTANE
Concen: 0.06 PPBV
RT: 3.923 min Scan# 455
Delta R.T. -0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 57 Resp: 1123

Ion	Ratio	Lower	Upper
57	100		
71	60.4	87.9	127.9#
100	18.3	4.4	44.4

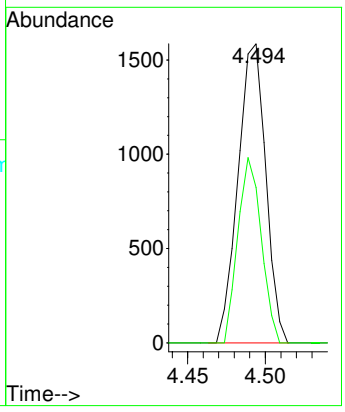


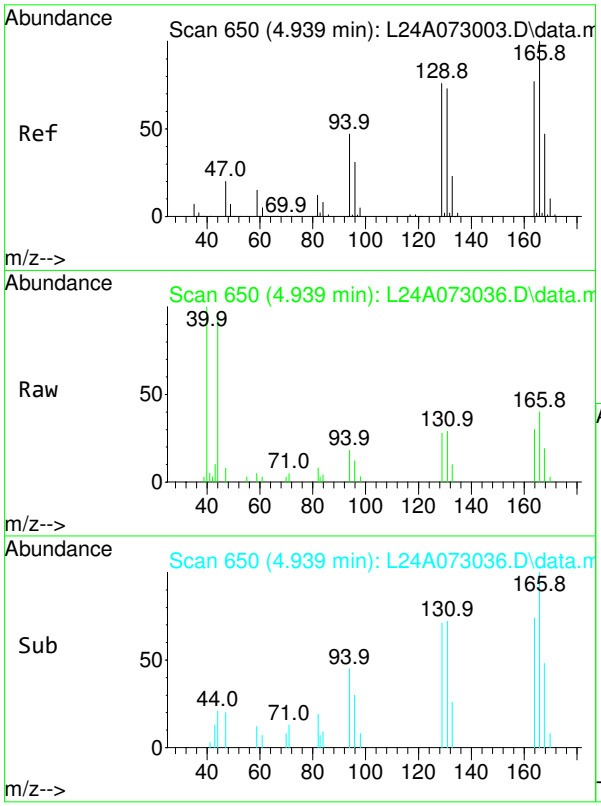


#46
TOLUENE
Concen: 0.03 PPBV
RT: 4.494 min Scan# 563
Delta R.T. -0.000 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 91 Resp: 1971

Ion	Ratio	Lower	Upper
91	100		
92	52.1	39.1	79.1

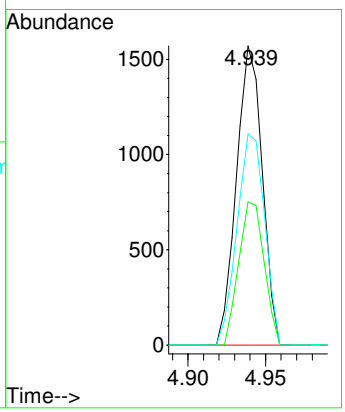


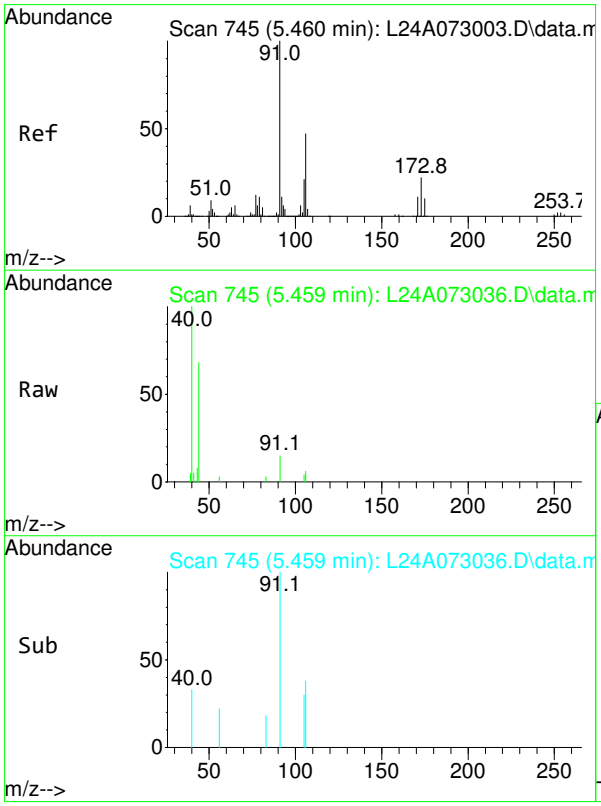


#50
TETRACHLOROETHENE
Concen: 0.06 PPBV
RT: 4.939 min Scan# 650
Delta R.T. -0.007 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:166 Resp: 1810

Ion	Ratio	Lower	Upper
166	100		
168	47.1	28.8	68.8
129	75.7	56.6	96.6

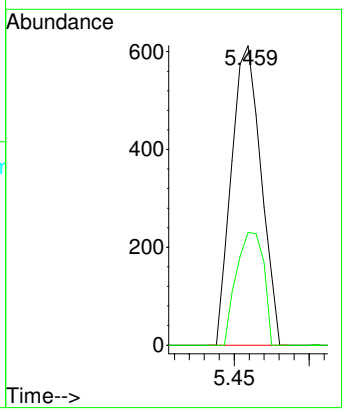


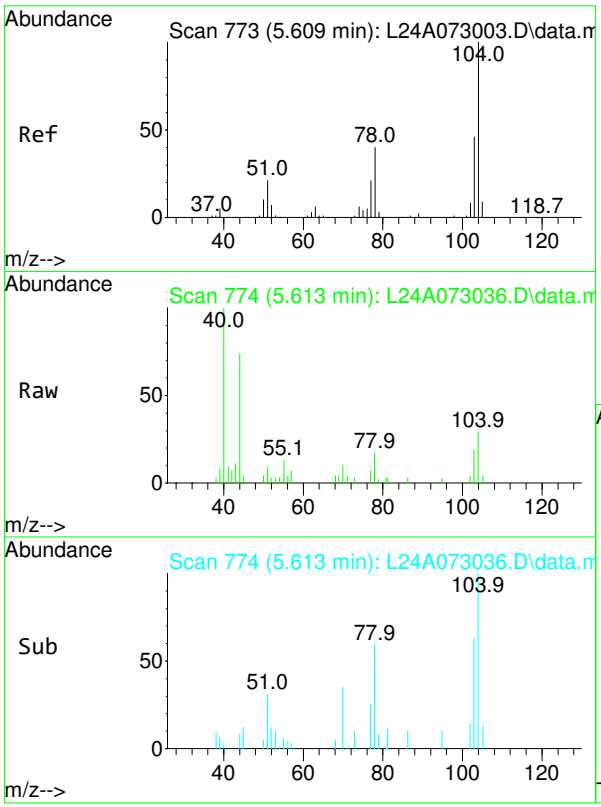


#53
M/P-XYLENE
Concen: 0.01 PPBV
RT: 5.459 min Scan# 745
Delta R.T. -0.009 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 91 Resp: 839

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.9	64.9

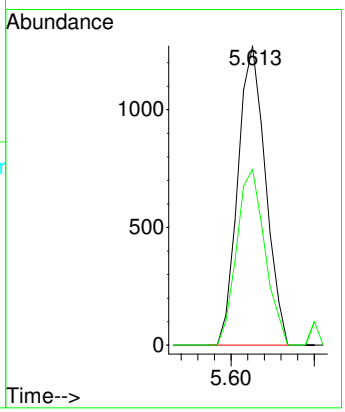


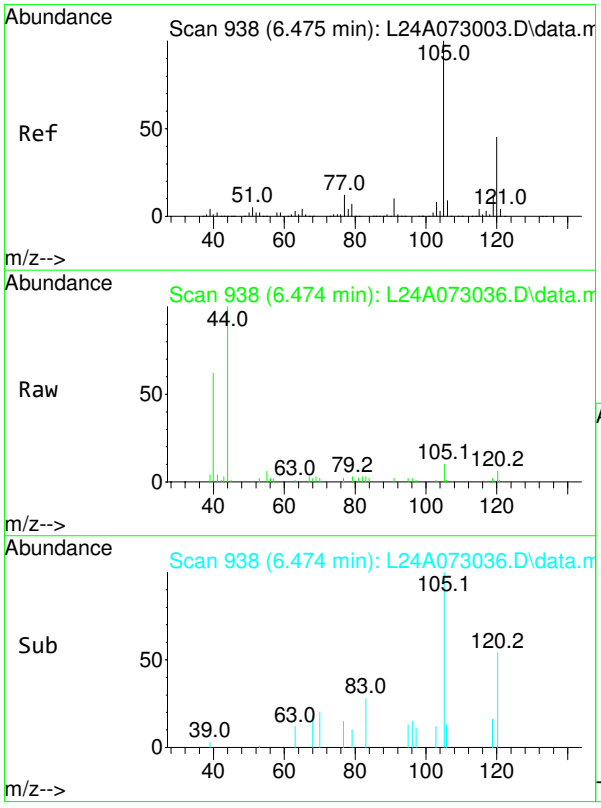


#55
STYRENE
Concen: 0.03 PPBV
RT: 5.613 min Scan# 774
Delta R.T. -0.002 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:104 Resp: 1467

Ion	Ratio	Lower	Upper
104	100		
78	60.2	24.7	64.7

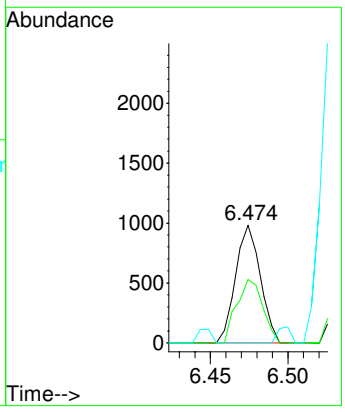


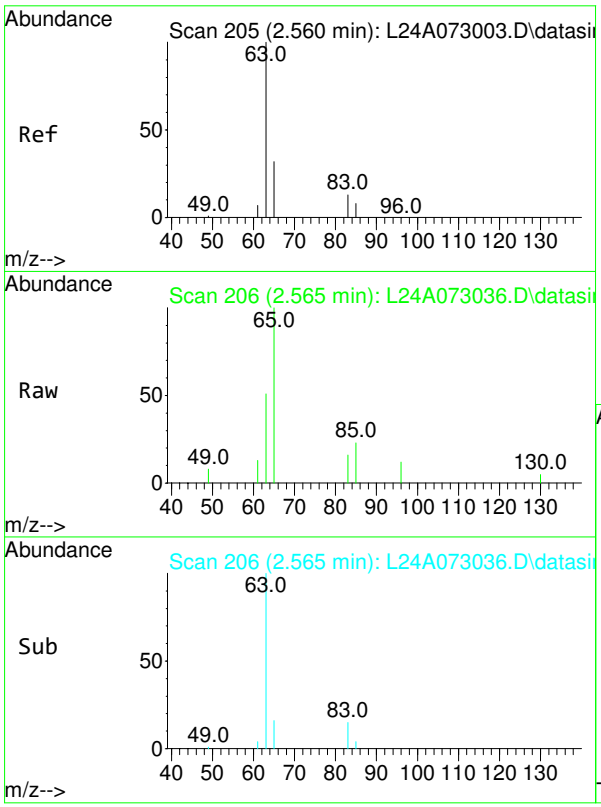


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.474 min Scan# 938
Delta R.T. -0.009 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:105 Resp: 1086

Ion	Ratio	Lower	Upper
105	100		
120	56.6	24.0	64.0
207	0.0	0.0	20.0

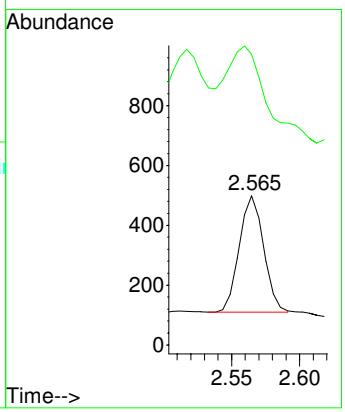


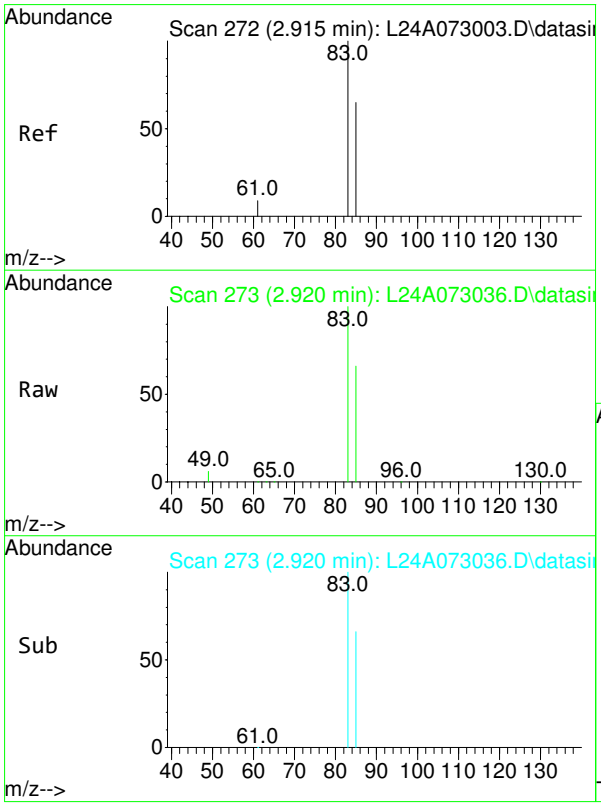


#73
1,1-DICHLOROETHANE (SIM)
Concen: 0.01 PPBV
RT: 2.565 min Scan# 206
Delta R.T. 0.006 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 63 Resp: 486

Ion	Ratio	Lower	Upper
63	100		
65	85.2	11.5	51.5#

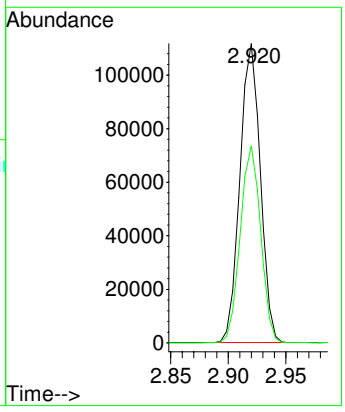


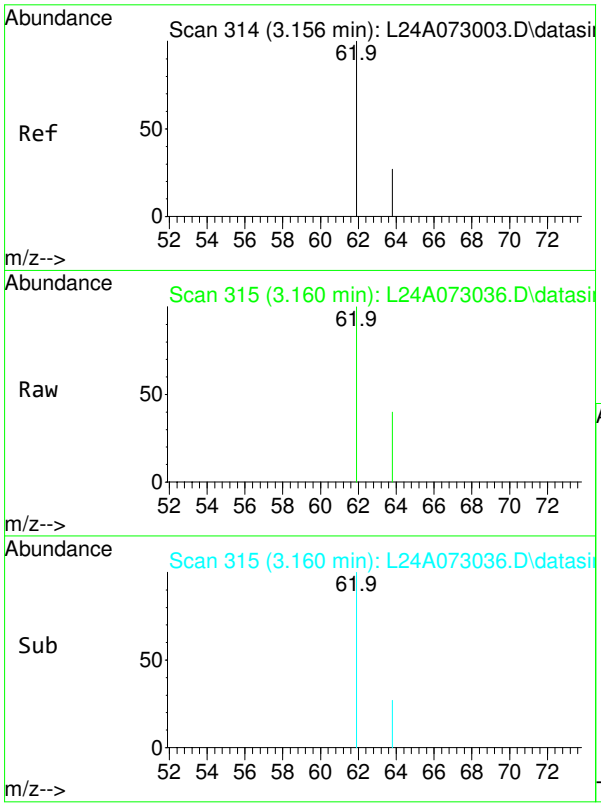


#75
CHLOROFORM (SIM)
Concen: 3.37 PPBV
RT: 2.920 min Scan# 273
Delta R.T. 0.002 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 83 Resp: 136577

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.0	85.0

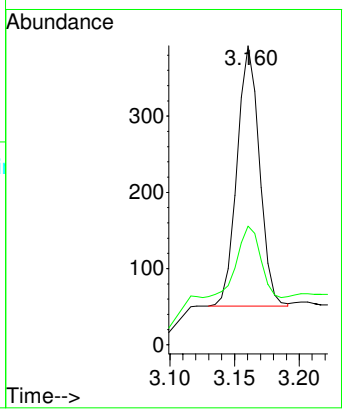


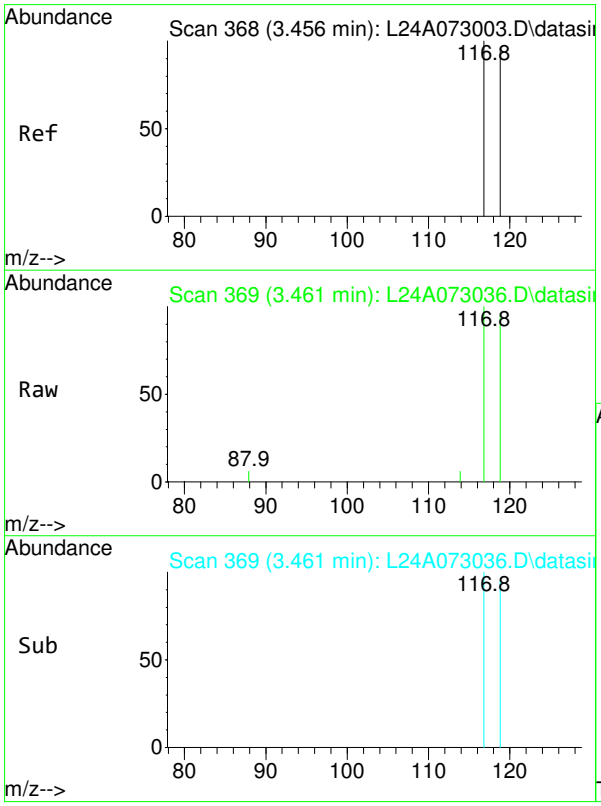


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.160 min Scan# 315
Delta R.T. 0.001 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion: 62 Resp: 410

Ion	Ratio	Lower	Upper
62	100		
64	28.5	7.0	47.0

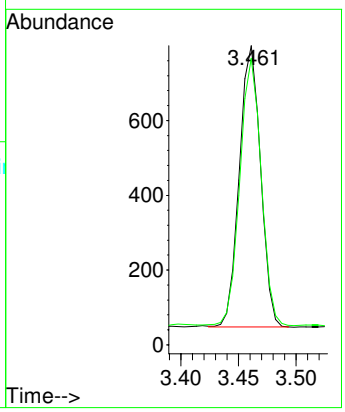




#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.02 PPBV
RT: 3.461 min Scan# 369
Delta R.T. -0.000 min
Lab File: L24A073036.D
Acq: 14 Mar 2024 03:59 am

Tgt Ion:117 Resp: 955

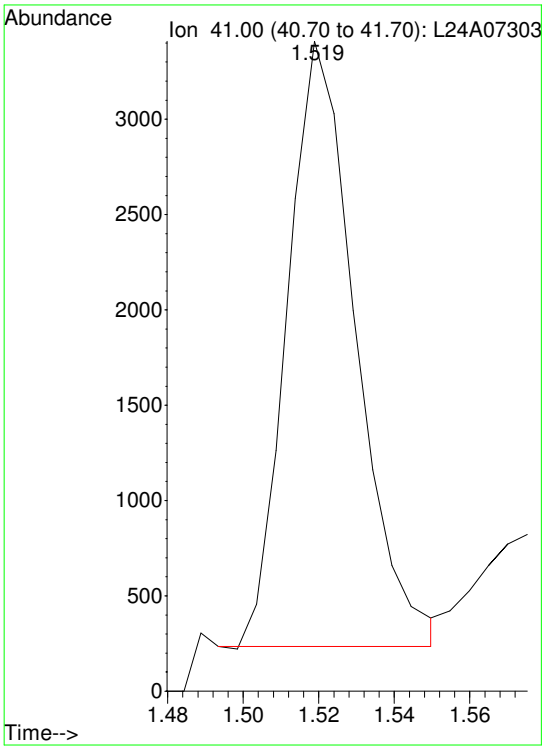
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.3	116.3



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
PROPENE



Original Int. Results

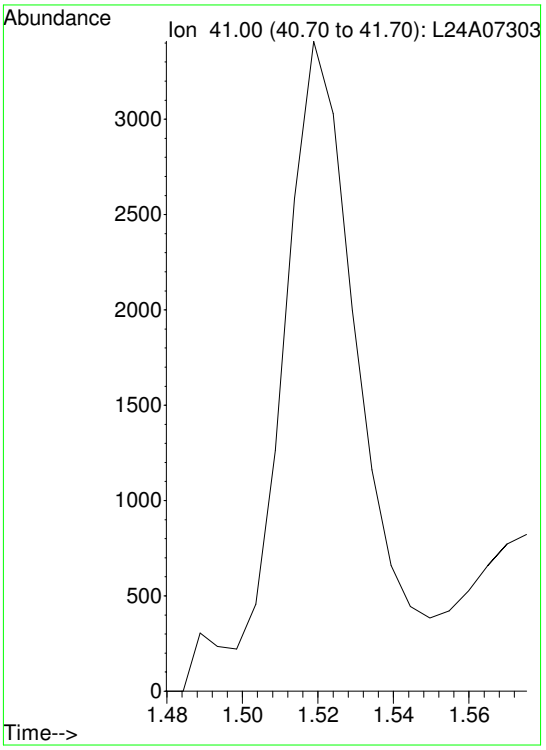
RT : 1.52
Area : 3998
Amount: 0.375945

Manual Int. Results

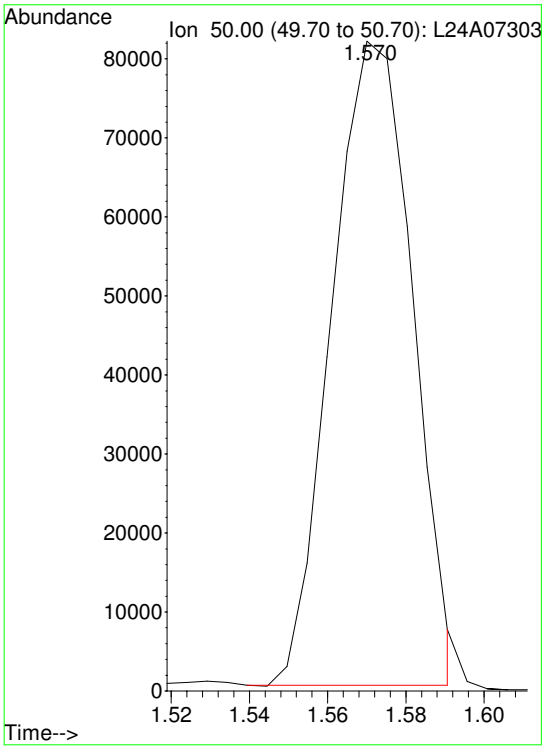
Fri Mar 15 11:22:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

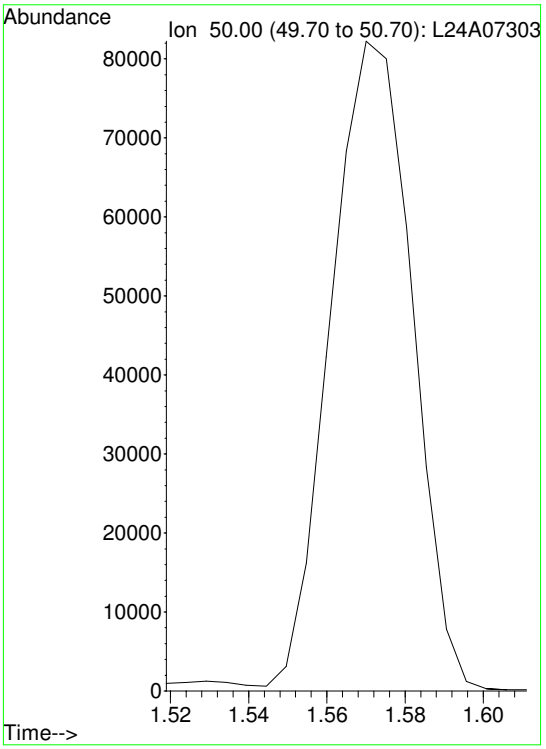
RT : 1.57
Area : 116819
Amount: 7.33693

Manual Int. Results

Fri Mar 15 11:22:43 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

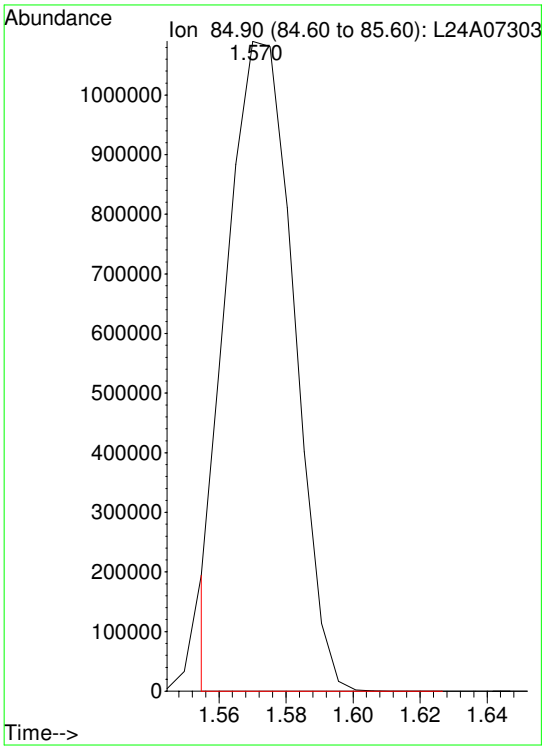
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
FREON 114



Original Int. Results

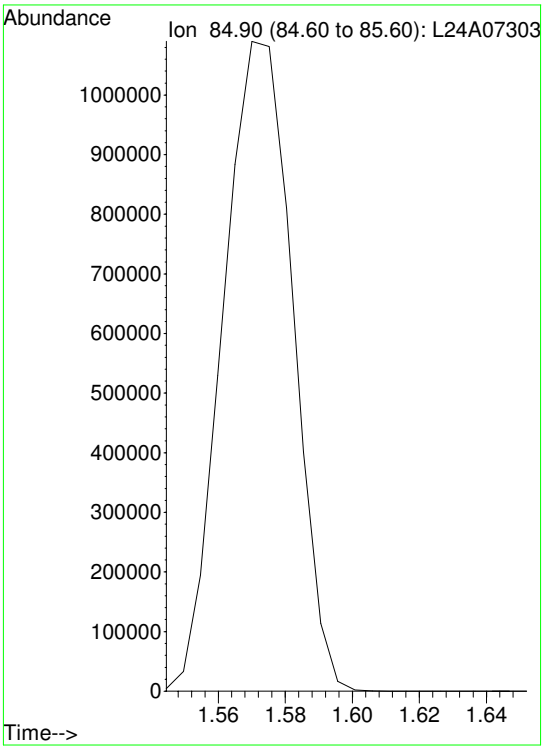
RT : 1.57
Area : 1.51418e+006
Amount: 32.5125

Manual Int. Results

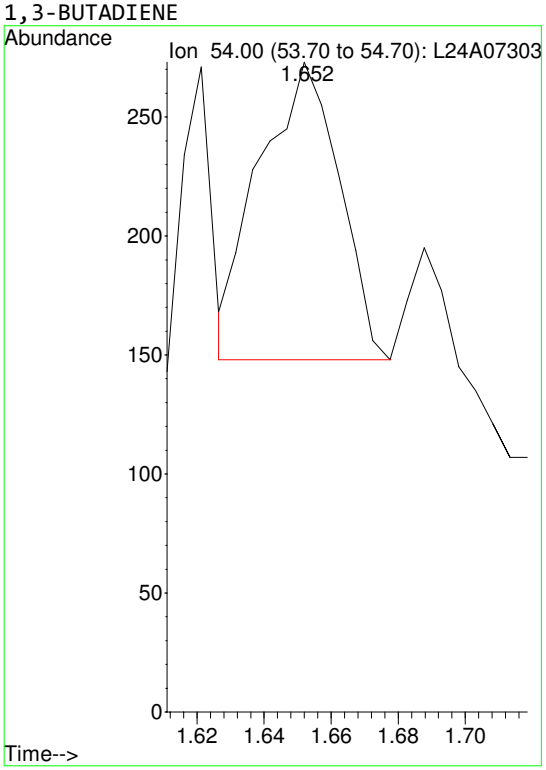
Fri Mar 15 11:22:46 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 114



Original Integration
1,3-BUTADIENE



Original Int. Results

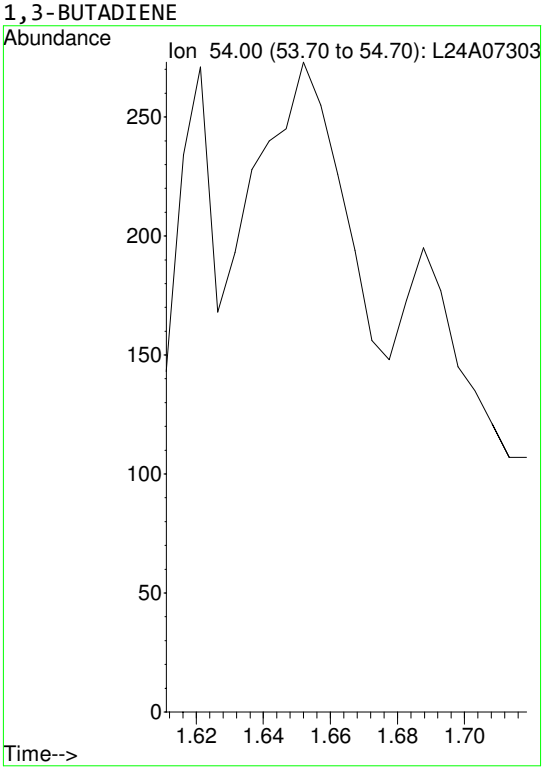
RT : 1.65
Area : 208
Amount: 0.014462

Manual Int. Results

Fri Mar 15 11:22:50 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

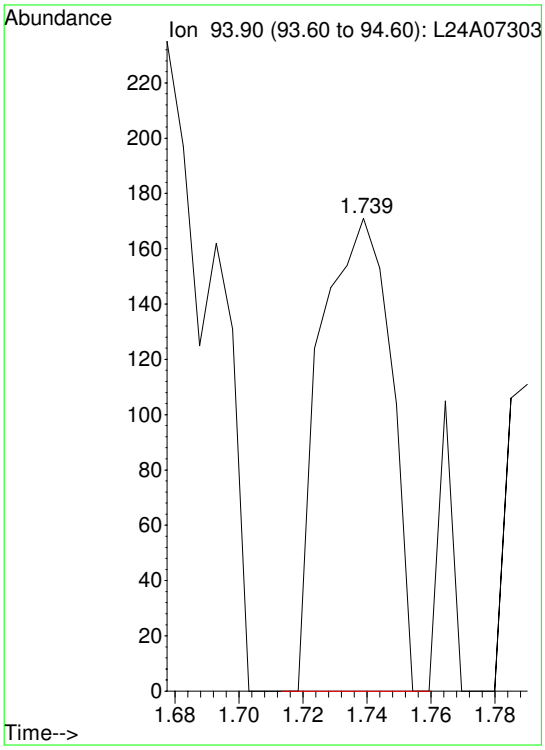
Manual Integration
1,3-BUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
BROMOMETHANE



Original Int. Results

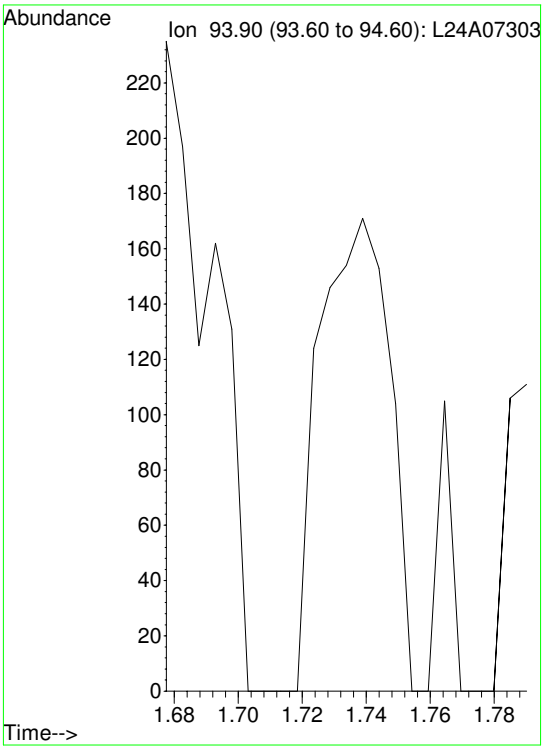
RT : 1.74
Area : 261
Amount: 0.0158539

Manual Int. Results

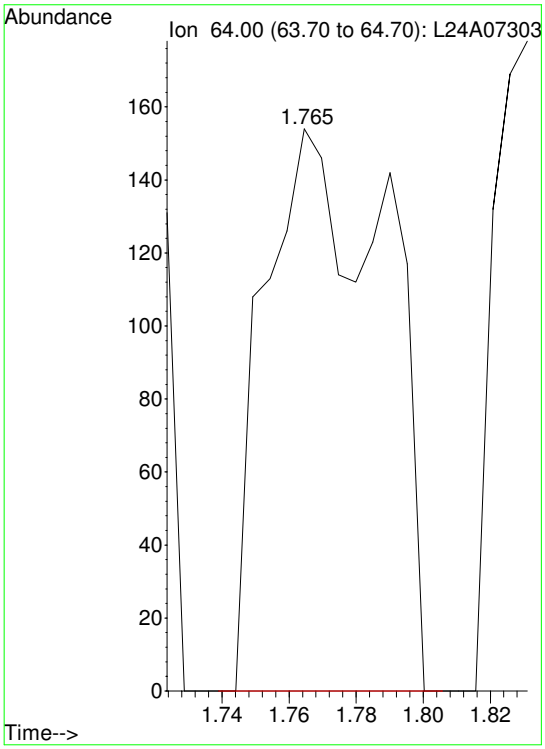
Fri Mar 15 11:22:54 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

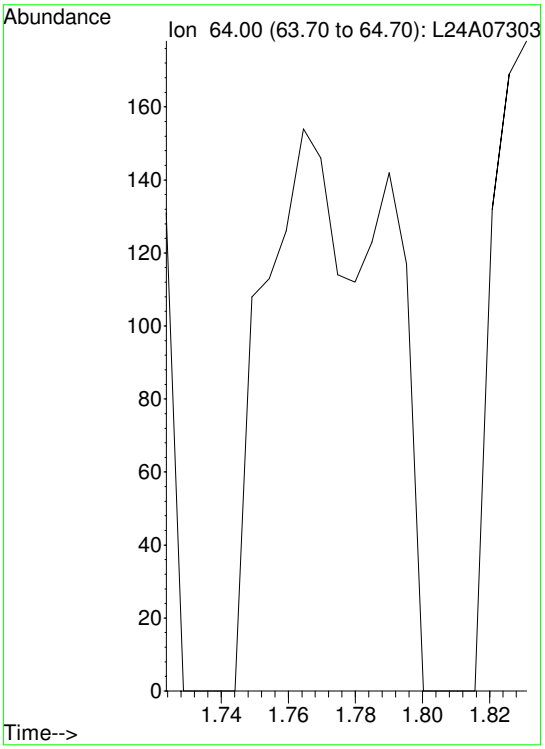
RT : 1.76
Area : 385
Amount: 0.0358311

Manual Int. Results

Fri Mar 15 11:22:57 2024

MIuser: TPH
Reason: Noisy Peak
RT : 0.00
Area : 0
Amount: 0

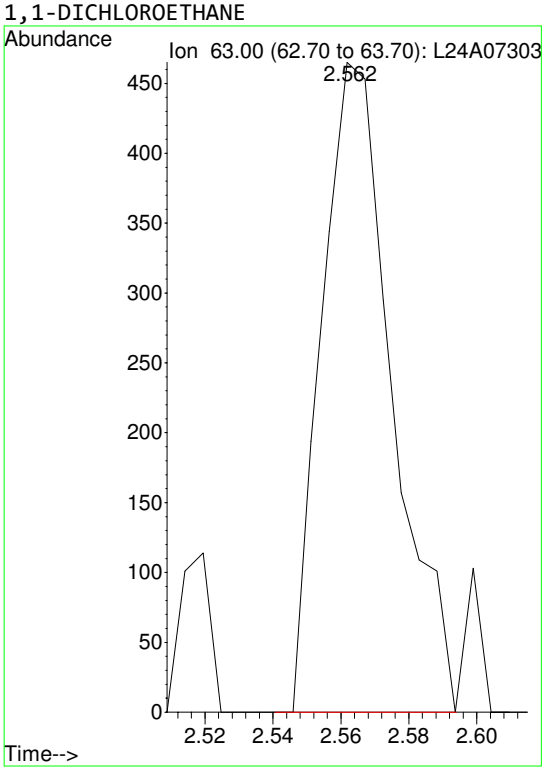
Manual Integration
CHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,1-DICHLOROETHANE



Original Int. Results

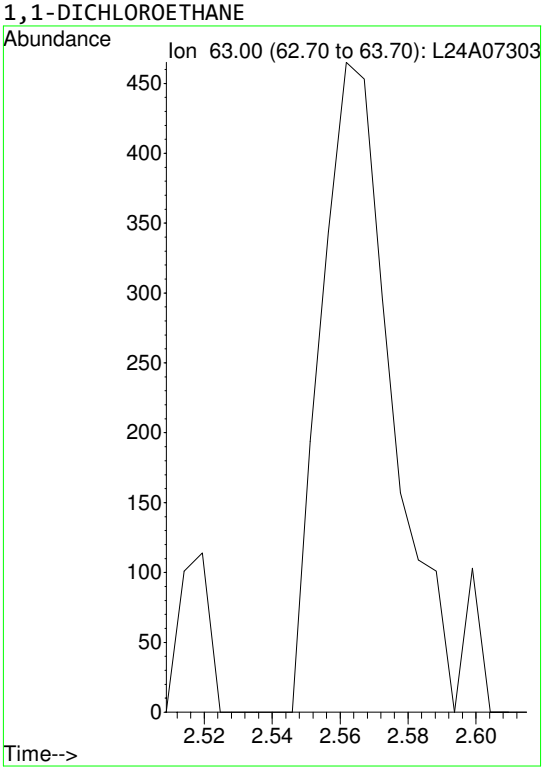
RT : 2.56
Area : 674
Amount: 0.0185438

Manual Int. Results

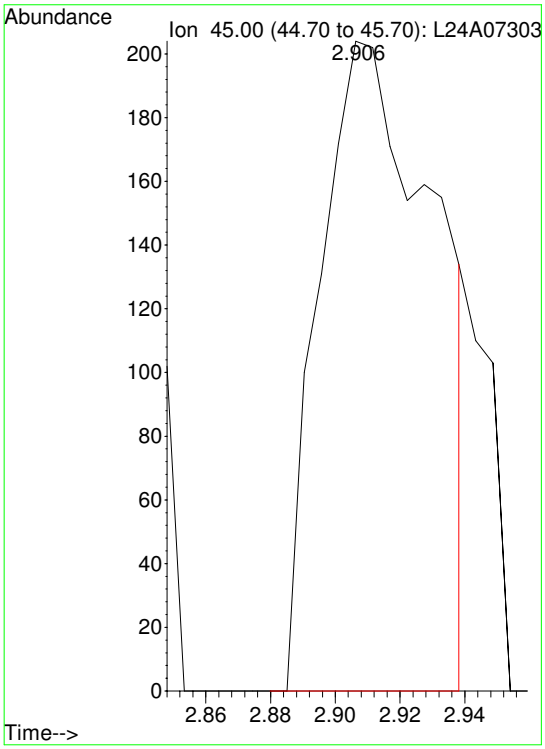
Fri Mar 15 11:23:05 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1-DICHLOROETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

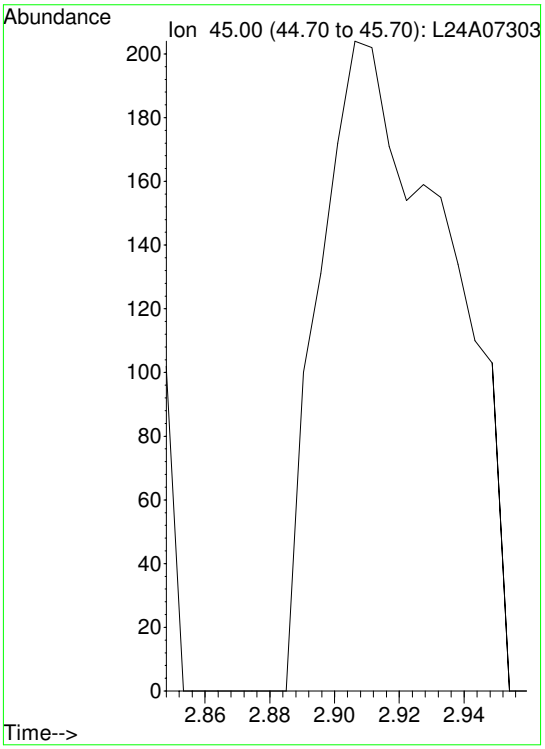
RT : 2.91
Area : 503
Amount: 0.0806443

Manual Int. Results

Fri Mar 15 11:23:18 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

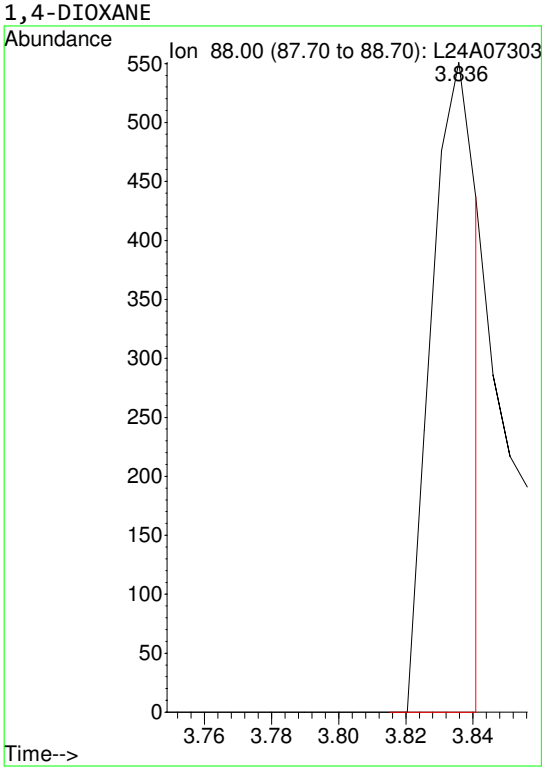
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
1,4-DIOXANE



Original Int. Results

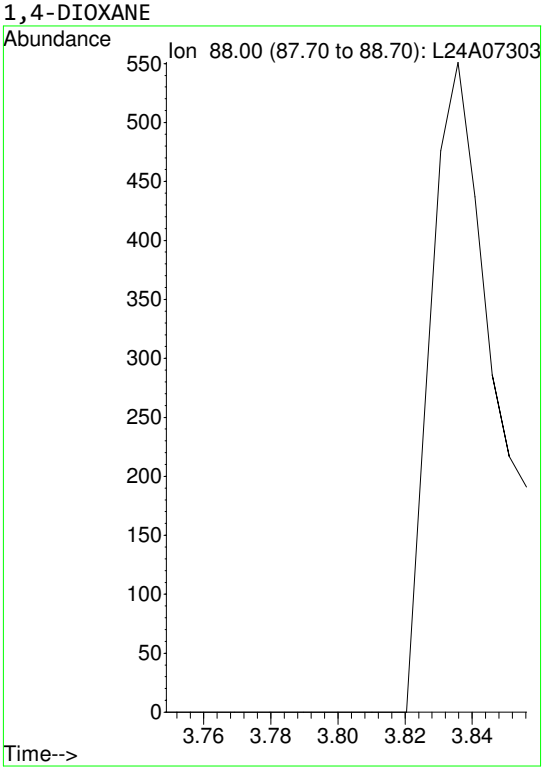
RT : 3.84
Area : 522
Amount: 0.0380409

Manual Int. Results

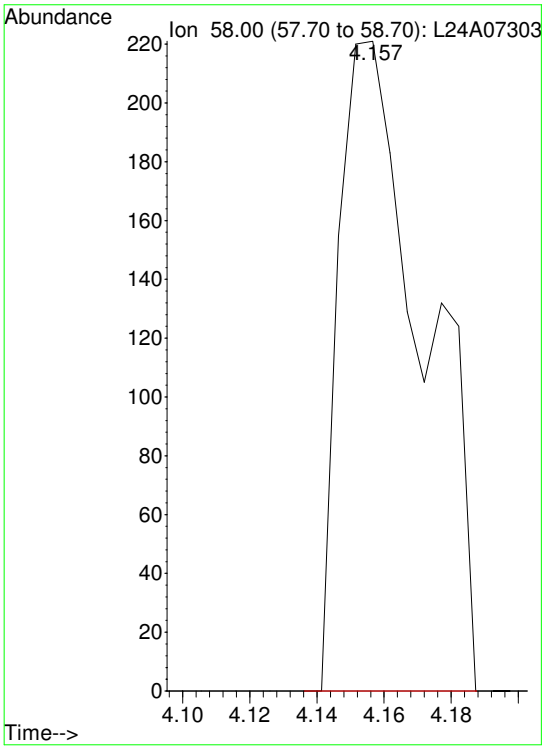
Fri Mar 15 11:23:26 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,4-DIOXANE



Original Integration
MIBK



Original Int. Results

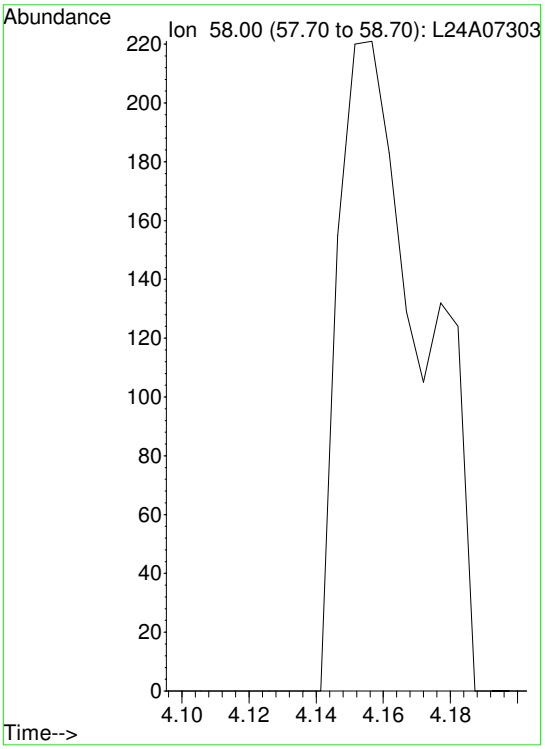
RT : 4.16
Area : 389
Amount: 0.0204638

Manual Int. Results

Fri Mar 15 11:23:31 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

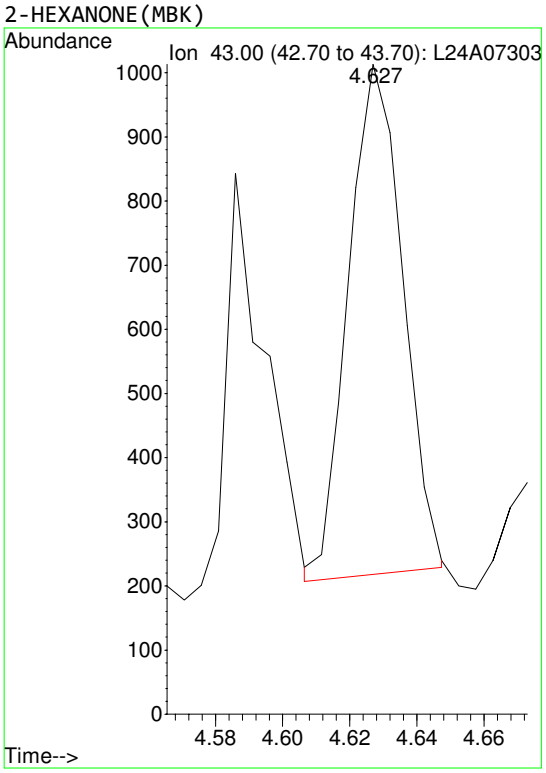
Manual Integration
MIBK



Data Path : D:\MassHunter\GCMS\1\data\L031324\
Data File : L24A073036.D
Acq On : 14 Mar 2024 03:59 am
Operator : CMR
Sample : 24C0251-10DUP 2X
Misc : 1.5,1,200,150,2XDUP

Quant Time : Fri Mar 15 11:23:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\L080223SIM.M
QLast Update : Wed Nov 01 12:42:22 2023

Original Integration
2-HEXANONE(MBK)



Original Int. Results

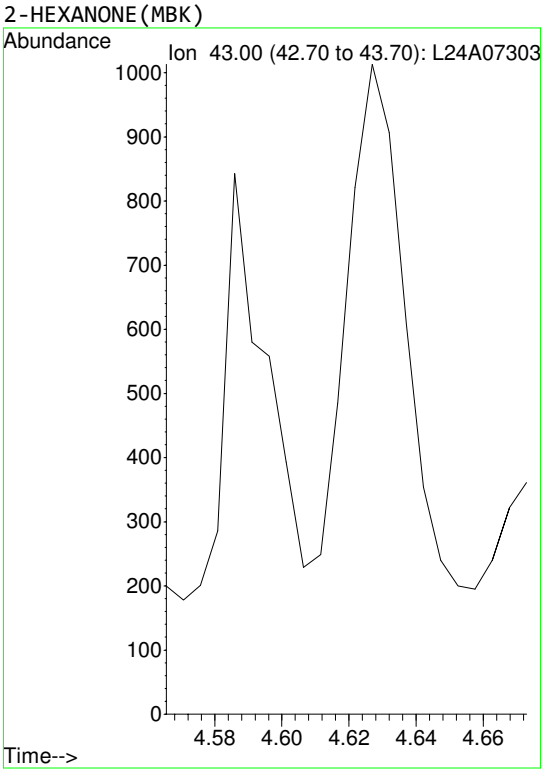
RT : 4.63
Area : 899
Amount: 0.0212904

Manual Int. Results

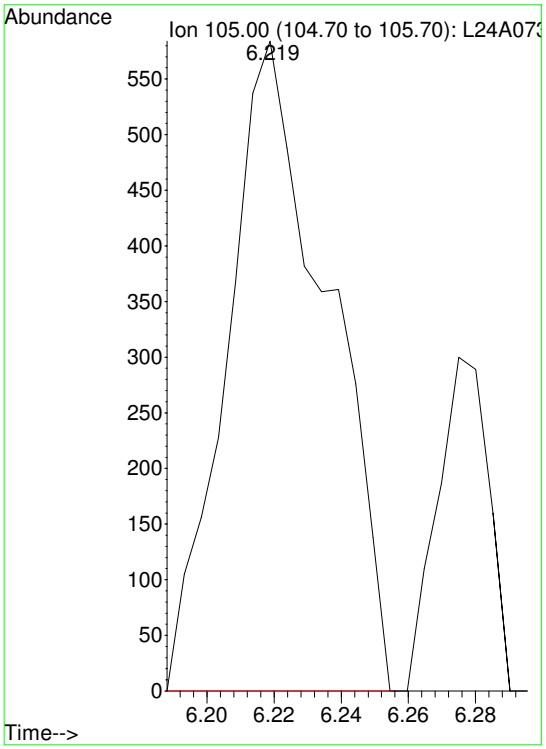
Fri Mar 15 11:23:36 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

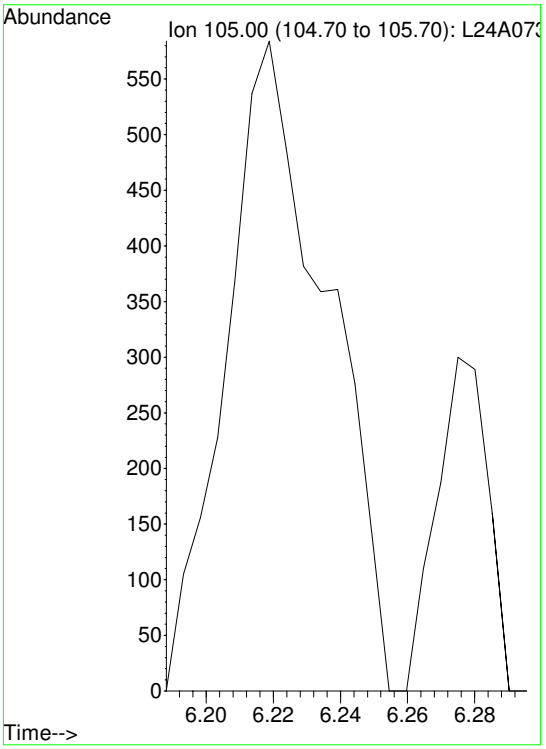
RT : 6.22
Area : 1221
Amount: 0.0138982

Manual Int. Results

Fri Mar 15 11:23:42 2024

MIuser: TPH
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



D:\MassHunter\GCMS\1\data\L031324\

Date	Filename	Lab ID	Sample Info
13 Mar 2024 09:34 am	L24A073001.D	CLUP	
13 Mar 2024 10:00 am	L24A073002.D	BFB	CTIS-612-2182
13 Mar 2024 10:26 am	L24A073003.D	5.0PPBV CCV	CTWS-4166-2059 03/19
13 Mar 2024 10:52 am	L24A073004.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 11:17 am	L24A073005.D	CLUP	
13 Mar 2024 11:51 am	L24A073006.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 12:21 pm	L24A073007.D	MBL 0.7X	1,1,200,290,0.7X
13 Mar 2024 12:54 pm	L24A073008.D	CC BC1058	1,1,200,500,0.4X
13 Mar 2024 01:28 pm	L24A073009.D	CC BC1115	1,1,200,500,0.4X
13 Mar 2024 02:15 pm	L24A073010.D	24B3064-19 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 02:48 pm	L24A073011.D	24B3064-20 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:21 pm	L24A073012.D	24B3064-21 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:54 pm	L24A073013.D	24B3064-22 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 04:27 pm	L24A073014.D	24B3064-23 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:00 pm	L24A073015.D	24B3064-24 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:33 pm	L24A073016.D	24B3064-25 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:05 pm	L24A073017.D	24B3064-26 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:38 pm	L24A073018.D	24B3064-27 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:10 pm	L24A073019.D	24B3064-28 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:43 pm	L24A073020.D	24B3064-29 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 08:17 pm	L24A073021.D	24B3064-30 0.7X	1.74,1,200,500,0.7X
13 Mar 2024 08:50 pm	L24A073022.D	24B3064-31 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:23 pm	L24A073023.D	24B3064-32 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:56 pm	L24A073024.D	24B3064-33 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 10:21 pm	L24A073025.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 10:46 pm	L24A073026.D	CLUP	
13 Mar 2024 11:20 pm	L24A073027.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 11:50 pm	L24A073028.D	MBL 0.7X	1,1,200,290,0.7X
14 Mar 2024 12:16 am	L24A073029.D	CLUP	
14 Mar 2024 12:50 am	L24A073030.D	24C0251-04 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 01:23 am	L24A073031.D	24C0251-06 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 01:56 am	L24A073032.D	24C0251-08 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 02:29 am	L24A073033.D	24C0251-09 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 03:03 am	L24A073034.D	24C0251-11 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 03:31 am	L24A073035.D	24C0251-10 2X	1.5,1,200,150,2X
14 Mar 2024 03:59 am	L24A073036.D	24C0251-10DUP 2X	1.5,1,200,150,2XDUP
14 Mar 2024 04:27 am	L24A073037.D	24C0251-07 2X	1.5,1,200,150,2X
14 Mar 2024 04:55 am	L24A073038.D	24C0251-05 2X	1.5,1,200,150,2X
14 Mar 2024 05:23 am	L24A073039.D	24C0251-03 2X	1.5,1,200,150,2X
14 Mar 2024 05:51 am	L24A073040.D	24C0251-02 2X	1.5,1,200,150,2X
14 Mar 2024 06:19 am	L24A073041.D	24C0251-01 2X	1.5,1,200,150,2X
14 Mar 2024 06:46 am	L24A073042.D	24C0251-01 10X	1.5,1,200,30,10X
14 Mar 2024 07:11 am	L24A073043.D	CLUP	
14 Mar 2024 07:37 am	L24A073044.D	CLUP	
14 Mar 2024 08:11 am	L24A073045.D	CC BC1658	1,1,200,500,0.4X
14 Mar 2024 08:45 am	L24A073046.D	CC BC1334	1,1,200,500,0.4X
14 Mar 2024 09:19 am	L24A073047.D	CC BC1060	1,1,200,500,0.4X
14 Mar 2024 09:54 am	L24A073048.D	CC BC1472	1,1,200,500,0.4X

Sequence Report

3/14/2024 10:34:24 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 9:34:39 AM	Completed		
	BFB	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:00:43 AM	Completed		
	5.0PPBV CCV	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:26:49 AM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 10:52:23 AM	Completed		
	CLUP	One	T4	50	0	10	TW060823.7200A.CTD	3/13/2024 11:17:41 AM	Completed		
	CLUP	One	T4	50	0	500	TW060823.7200A.CTD	3/13/2024 11:51:12 AM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW060823.7200A.CTD	3/13/2024 12:21:16 PM	Completed		
	CC BC1058	One	T6	50	0	500	TW060823.7200A.CTD	3/13/2024 12:54:40 PM	Completed		
	CC BC1115	One	T7	50	0	500	TW060823.7200A.CTD	3/13/2024 1:28:13 PM	Completed		
	24C3064-19 0.7X	One	T6	50	0	430	TW060823.7200A.CTD	3/13/2024 2:15:31 PM	Completed		
	24B3064-20 0.7X	One	T7	50	0	430	TW060823.7200A.CTD	3/13/2024 2:48:28 PM	Completed		
	24B3064-21 0.7X	One	T8	50	0	430	TW060823.7200A.CTD	3/13/2024 3:21:22 PM	Completed		
	24B3064-22 0.7X	One	T9	50	0	430	TW060823.7200A.CTD	3/13/2024 3:54:19 PM	Completed		
	24B3064-23 0.7X	One	T10	50	0	430	TW060823.7200A.CTD	3/13/2024 4:27:14 PM	Completed		
	24B3064-24 0.7X	One	T11	50	0	430	TW060823.7200A.CTD	3/13/2024 5:00:09 PM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24B3064-25 0.7X	One	T12	50	0	430	TW06082 3.7200A.CTD	3/13/2024 5:33:04 PM	Completed		
	24B3064-26 0.7X	One	T13	50	0	430	TW06082 3.7200A.CTD	3/13/2024 6:05:35 PM	Completed		
	24B3064-27 0.7X	One	T14	50	0	430	TW06082 3.7200A.CTD	3/13/2024 6:38:03 PM	Completed		
	24B3064-28 0.7X	One	T15	50	0	430	TW06082 3.7200A.CTD	3/13/2024 7:10:43 PM	Completed		
	24B3064-29 0.7X	One	T16	50	0	430	TW06082 3.7200A.CTD	3/13/2024 7:43:29 PM	Completed		
	24B3064-30 0.7X	Two	T1	50	0	500	TW06082 3.7200A.CTD	3/13/2024 8:17:25 PM	Completed		
	24B3064-31 0.7X	Two	T2	50	0	430	TW06082 3.7200A.CTD	3/13/2024 8:50:17 PM	Completed		
	24B3064-32 0.7X	Two	T3	50	0	430	TW06082 3.7200A.CTD	3/13/2024 9:23:25 PM	Completed		
	24B3064-33 0.7X	Two	T4	50	0	430	TW06082 3.7200A.CTD	3/13/2024 9:56:01 PM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW06082 3.7200A.CTD	3/13/2024 10:21:48 PM	Completed		
	CLUP	One	T4	50	0	10	TW06082 3.7200A.CTD	3/13/2024 10:46:39 PM	Completed		
	CLUP	One	T4	50	0	500	TW06082 3.7200A.CTD	3/13/2024 11:20:28 PM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW06082 3.7200A.CTD	3/13/2024 11:50:34 PM	Completed		
	CLUP	Two	T5	50	0	10	TW06082 3.7200A.CTD	3/14/2024 12:16:32 AM	Completed		
	24C0251-04 0.7X	Two	T6	50	0	500	TW06082 3.7200A.CTD	3/14/2024 12:50:25 AM	Completed		
	24C0251-06 0.7X	Two	T7	50	0	430	TW06082 3.7200A.CTD	3/14/2024 1:23:11 AM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24C0251-08 0.7X	Two	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 1:56:55 AM	Completed		
	24C0251-09 0.7X	Two	T9	50	0	430	TW06082 3.7200A.CTD	3/14/2024 2:29:51 AM	Completed		
	24C0251-11 0.7X	Two	T10	50	0	500	TW06082 3.7200A.CTD	3/14/2024 3:03:58 AM	Completed		
	24C0251-10 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:31:52 AM	Completed		
	24C0251-10DUP 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:59:34 AM	Completed		
	24C0251-07 2X	Two	T12	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:27:19 AM	Completed		
	24C0251-05 2X	Two	T13	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:55:05 AM	Completed		
	24C0251-03 2X	Two	T14	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:23:18 AM	Completed		
	24C0251-02 2X	Two	T15	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:51:31 AM	Completed		
	24C0251-01 2X	Two	T16	50	0	150	TW06082 3.7200A.CTD	3/14/2024 6:19:29 AM	Completed		
	24C0251-01 10X	Two	T16	50	0	30	TW06082 3.7200A.CTD	3/14/2024 6:46:51 AM	Completed		
	CLUP	One	T4	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:11:47 AM	Completed		
	CLUP	One	T5	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:37:13 AM	Completed		
	CC BC1658	One	T6	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:11:25 AM	Completed		
	CC BC1334	One	T7	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:45:41 AM	Completed		
	CC BC1060	One	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:19:48 AM	Completed		
	CC BC1472	One	T9	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:53:59 AM	Completed		

D:\MassHunter\GCMS\1\data\L031324\

Date	Filename	Lab ID	Sample Info
13 Mar 2024 09:34 am	L24A073001.D	CLUP	
13 Mar 2024 10:00 am	L24A073002.D	BFB	CTIS-612-2182
13 Mar 2024 10:26 am	L24A073003.D	5.0PPBV CCV	CTWS-4166-2059 03/19
13 Mar 2024 10:52 am	L24A073004.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 11:17 am	L24A073005.D	CLUP	
13 Mar 2024 11:51 am	L24A073006.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 12:21 pm	L24A073007.D	MBL 0.7X	1,1,200,290,0.7X
13 Mar 2024 12:54 pm	L24A073008.D	CC BC1058	1,1,200,500,0.4X
13 Mar 2024 01:28 pm	L24A073009.D	CC BC1115	1,1,200,500,0.4X
13 Mar 2024 02:15 pm	L24A073010.D	24B3064-19 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 02:48 pm	L24A073011.D	24B3064-20 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:21 pm	L24A073012.D	24B3064-21 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 03:54 pm	L24A073013.D	24B3064-22 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 04:27 pm	L24A073014.D	24B3064-23 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:00 pm	L24A073015.D	24B3064-24 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 05:33 pm	L24A073016.D	24B3064-25 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:05 pm	L24A073017.D	24B3064-26 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 06:38 pm	L24A073018.D	24B3064-27 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:10 pm	L24A073019.D	24B3064-28 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 07:43 pm	L24A073020.D	24B3064-29 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 08:17 pm	L24A073021.D	24B3064-30 0.7X	1.74,1,200,500,0.7X
13 Mar 2024 08:50 pm	L24A073022.D	24B3064-31 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:23 pm	L24A073023.D	24B3064-32 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 09:56 pm	L24A073024.D	24B3064-33 0.7X	1.5,1,200,430,0.7X
13 Mar 2024 10:21 pm	L24A073025.D	5.0PPBV LCS	CTWS-4167-2056 03/19
13 Mar 2024 10:46 pm	L24A073026.D	CLUP	
13 Mar 2024 11:20 pm	L24A073027.D	CLUP	1,1,200,500,0.4X
13 Mar 2024 11:50 pm	L24A073028.D	MBL 0.7X	1,1,200,290,0.7X
14 Mar 2024 12:16 am	L24A073029.D	CLUP	
14 Mar 2024 12:50 am	L24A073030.D	24C0251-04 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 01:23 am	L24A073031.D	24C0251-06 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 01:56 am	L24A073032.D	24C0251-08 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 02:29 am	L24A073033.D	24C0251-09 0.7X	1.5,1,200,430,0.7X
14 Mar 2024 03:03 am	L24A073034.D	24C0251-11 0.7X	1.74,1,200,500,0.7X
14 Mar 2024 03:31 am	L24A073035.D	24C0251-10 2X	1.5,1,200,150,2X
14 Mar 2024 03:59 am	L24A073036.D	24C0251-10DUP 2X	1.5,1,200,150,2XDUP
14 Mar 2024 04:27 am	L24A073037.D	24C0251-07 2X	1.5,1,200,150,2X
14 Mar 2024 04:55 am	L24A073038.D	24C0251-05 2X	1.5,1,200,150,2X
14 Mar 2024 05:23 am	L24A073039.D	24C0251-03 2X	1.5,1,200,150,2X
14 Mar 2024 05:51 am	L24A073040.D	24C0251-02 2X	1.5,1,200,150,2X
14 Mar 2024 06:19 am	L24A073041.D	24C0251-01 2X	1.5,1,200,150,2X
14 Mar 2024 06:46 am	L24A073042.D	24C0251-01 10X	1.5,1,200,30,10X
14 Mar 2024 07:11 am	L24A073043.D	CLUP	
14 Mar 2024 07:37 am	L24A073044.D	CLUP	
14 Mar 2024 08:11 am	L24A073045.D	CC BC1658	1,1,200,500,0.4X
14 Mar 2024 08:45 am	L24A073046.D	CC BC1334	1,1,200,500,0.4X
14 Mar 2024 09:19 am	L24A073047.D	CC BC1060	1,1,200,500,0.4X
14 Mar 2024 09:54 am	L24A073048.D	CC BC1472	1,1,200,500,0.4X

Sequence Report

3/14/2024 10:34:24 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 9:34:39 AM	Completed		
	BFB	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:00:43 AM	Completed		
	5.0PPBV CCV	One	T2	50	0	50	TW060823.7200A.CTD	3/13/2024 10:26:49 AM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW060823.7200A.CTD	3/13/2024 10:52:23 AM	Completed		
	CLUP	One	T4	50	0	10	TW060823.7200A.CTD	3/13/2024 11:17:41 AM	Completed		
	CLUP	One	T4	50	0	500	TW060823.7200A.CTD	3/13/2024 11:51:12 AM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW060823.7200A.CTD	3/13/2024 12:21:16 PM	Completed		
	CC BC1058	One	T6	50	0	500	TW060823.7200A.CTD	3/13/2024 12:54:40 PM	Completed		
	CC BC1115	One	T7	50	0	500	TW060823.7200A.CTD	3/13/2024 1:28:13 PM	Completed		
	24C3064-19 0.7X	One	T6	50	0	430	TW060823.7200A.CTD	3/13/2024 2:15:31 PM	Completed		
	24B3064-20 0.7X	One	T7	50	0	430	TW060823.7200A.CTD	3/13/2024 2:48:28 PM	Completed		
	24B3064-21 0.7X	One	T8	50	0	430	TW060823.7200A.CTD	3/13/2024 3:21:22 PM	Completed		
	24B3064-22 0.7X	One	T9	50	0	430	TW060823.7200A.CTD	3/13/2024 3:54:19 PM	Completed		
	24B3064-23 0.7X	One	T10	50	0	430	TW060823.7200A.CTD	3/13/2024 4:27:14 PM	Completed		
	24B3064-24 0.7X	One	T11	50	0	430	TW060823.7200A.CTD	3/13/2024 5:00:09 PM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24B3064-25 0.7X	One	T12	50	0	430	TW06823.7200A.CTD	3/13/2024 5:33:04 PM	Completed		
	24B3064-26 0.7X	One	T13	50	0	430	TW06823.7200A.CTD	3/13/2024 6:05:35 PM	Completed		
	24B3064-27 0.7X	One	T14	50	0	430	TW06823.7200A.CTD	3/13/2024 6:38:03 PM	Completed		
	24B3064-28 0.7X	One	T15	50	0	430	TW06823.7200A.CTD	3/13/2024 7:10:43 PM	Completed		
	24B3064-29 0.7X	One	T16	50	0	430	TW06823.7200A.CTD	3/13/2024 7:43:29 PM	Completed		
	24B3064-30 0.7X	Two	T1	50	0	500	TW06823.7200A.CTD	3/13/2024 8:17:25 PM	Completed		
	24B3064-31 0.7X	Two	T2	50	0	430	TW06823.7200A.CTD	3/13/2024 8:50:17 PM	Completed		
	24B3064-32 0.7X	Two	T3	50	0	430	TW06823.7200A.CTD	3/13/2024 9:23:25 PM	Completed		
	24B3064-33 0.7X	Two	T4	50	0	430	TW06823.7200A.CTD	3/13/2024 9:56:01 PM	Completed		
	5.0PPBV LCS	One	T3	50	0	50	TW06823.7200A.CTD	3/13/2024 10:21:48 PM	Completed		
	CLUP	One	T4	50	0	10	TW06823.7200A.CTD	3/13/2024 10:46:39 PM	Completed		
	CLUP	One	T4	50	0	500	TW06823.7200A.CTD	3/13/2024 11:20:28 PM	Completed		
	MBL 0.7X	One	T5	50	0	290	TW06823.7200A.CTD	3/13/2024 11:50:34 PM	Completed		
	CLUP	Two	T5	50	0	10	TW06823.7200A.CTD	3/14/2024 12:16:32 AM	Completed		
	24C0251-04 0.7X	Two	T6	50	0	500	TW06823.7200A.CTD	3/14/2024 12:50:25 AM	Completed		
	24C0251-06 0.7X	Two	T7	50	0	430	TW06823.7200A.CTD	3/14/2024 1:23:11 AM	Completed		

Sequence Report

3/14/2024 10:34:24 AM

	24C0251-08 0.7X	Two	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 1:56:55 AM	Completed		
	24C0251-09 0.7X	Two	T9	50	0	430	TW06082 3.7200A.CTD	3/14/2024 2:29:51 AM	Completed		
	24C0251-11 0.7X	Two	T10	50	0	500	TW06082 3.7200A.CTD	3/14/2024 3:03:58 AM	Completed		
	24C0251-10 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:31:52 AM	Completed		
	24C0251-10DUP 2X	Two	T11	50	0	150	TW06082 3.7200A.CTD	3/14/2024 3:59:34 AM	Completed		
	24C0251-07 2X	Two	T12	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:27:19 AM	Completed		
	24C0251-05 2X	Two	T13	50	0	150	TW06082 3.7200A.CTD	3/14/2024 4:55:05 AM	Completed		
	24C0251-03 2X	Two	T14	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:23:18 AM	Completed		
	24C0251-02 2X	Two	T15	50	0	150	TW06082 3.7200A.CTD	3/14/2024 5:51:31 AM	Completed		
	24C0251-01 2X	Two	T16	50	0	150	TW06082 3.7200A.CTD	3/14/2024 6:19:29 AM	Completed		
	24C0251-01 10X	Two	T16	50	0	30	TW06082 3.7200A.CTD	3/14/2024 6:46:51 AM	Completed		
	CLUP	One	T4	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:11:47 AM	Completed		
	CLUP	One	T5	50	0	10	TW06082 3.7200A.CTD	3/14/2024 7:37:13 AM	Completed		
	CC BC1658	One	T6	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:11:25 AM	Completed		
	CC BC1334	One	T7	50	0	500	TW06082 3.7200A.CTD	3/14/2024 8:45:41 AM	Completed		
	CC BC1060	One	T8	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:19:48 AM	Completed		
	CC BC1472	One	T9	50	0	500	TW06082 3.7200A.CTD	3/14/2024 9:53:59 AM	Completed		

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July 31, 2023

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Syracuse, NY 13202

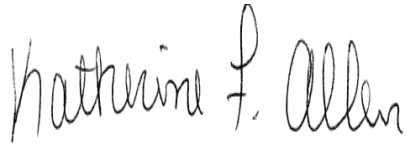
Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2057

Enclosed are results of analyses for samples as received by the laboratory on July 17, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 7/31/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2057

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-SV-1-13072023	23G2057-01	Soil Gas		EPA TO-15	
5AVE-SV-2-13072023	23G2057-02	Soil Gas		EPA TO-15	
ABI-SV-1-13072023	23G2057-03	Soil Gas		EPA TO-15	
SV-DUP-1	23G2057-04	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01 Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene

B347545-BS1

L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12), Ethanol, Naphthalene, Propene, Trichlorofluoromethane (Freon 11)

23G2057-01[5AVE-SV-1-13072023], 23G2057-02[5AVE-SV-2-13072023], 23G2057-03[ABI-SV-1-13072023], 23G2057-04[SV-DUP-1], B347545-BS1

V-06 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

23G2057-01[5AVE-SV-1-13072023], 23G2057-02[5AVE-SV-2-13072023], 23G2057-03[ABI-SV-1-13072023], 23G2057-04[SV-DUP-1], B347545-BS1, S091262-CCV1

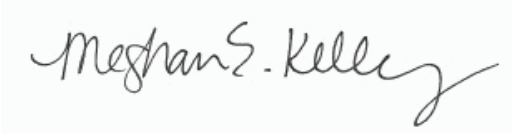
Z-01 Calibrations RSD for this compound is >30% but <40%.

Analyte & Samples(s) Qualified:

Naphthalene

23G2057-01[5AVE-SV-1-13072023], 23G2057-02[5AVE-SV-2-13072023], 23G2057-03[ABI-SV-1-13072023], 23G2057-04[SV-DUP-1], B347545-BLK1, B347545-BS1, S091262-CCV1

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



Meghan E. Kelley
Reporting Specialist

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-1-13072023
Sample ID: 23G2057-01
Sample Matrix: Soil Gas
Sampled: 7/13/2023 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1478
Canister Size: 6 liter
Flow Controller ID: 4359
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0	0.94		ND	9.5	2.2	2	7/26/23 0:28	CMR
Benzene	28	0.10	0.031		89	0.32	0.099	2	7/26/23 0:28	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 0:28	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 0:28	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 0:28	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 0:28	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 0:28	CMR
2-Butanone (MEK)	ND	4.0	1.1		ND	12	3.3	2	7/26/23 0:28	CMR
Carbon Disulfide	1.5	1.0	0.19		4.6	3.1	0.60	2	7/26/23 0:28	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 0:28	CMR
Chlorobenzene	0.56	0.10	0.025		2.6	0.46	0.12	2	7/26/23 0:28	CMR
Chloroethane	10	0.10	0.063		27	0.26	0.17	2	7/26/23 0:28	CMR
Chloroform	ND	0.10	0.026		ND	0.49	0.13	2	7/26/23 0:28	CMR
Chloromethane	76	0.20	0.041		160	0.41	0.084	2	7/26/23 0:28	CMR
Cyclohexane	26	0.10	0.044		88	0.34	0.15	2	7/26/23 0:28	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 0:28	CMR
1,2-Dibromoethane (EDB)	0.050	0.10	0.033	J	0.38	0.77	0.26	2	7/26/23 0:28	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 0:28	CMR
1,3-Dichlorobenzene	2.6	0.10	0.037		16	0.60	0.22	2	7/26/23 0:28	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 0:28	CMR
Dichlorodifluoromethane (Freon 12)	1.1	0.10	0.042	L-05, V-06	5.6	0.49	0.21	2	7/26/23 0:28	CMR
1,1-Dichloroethane	3.0	0.10	0.032		12	0.40	0.13	2	7/26/23 0:28	CMR
1,2-Dichloroethane	0.22	0.10	0.038		0.89	0.40	0.15	2	7/26/23 0:28	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 0:28	CMR
cis-1,2-Dichloroethylene	1.2	0.10	0.031		4.7	0.40	0.12	2	7/26/23 0:28	CMR
trans-1,2-Dichloroethylene	0.18	0.10	0.033		0.71	0.40	0.13	2	7/26/23 0:28	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 0:28	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 0:28	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 0:28	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 0:28	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/26/23 0:28	CMR
Ethanol	43	4.0	2.7	L-05	81	7.5	5.0	2	7/26/23 0:28	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/26/23 0:28	CMR
Ethylbenzene	2.2	0.10	0.029		9.7	0.43	0.13	2	7/26/23 0:28	CMR
4-Ethyltoluene	0.41	0.10	0.043		2.0	0.49	0.21	2	7/26/23 0:28	CMR
Heptane	23	0.10	0.063		92	0.41	0.26	2	7/26/23 0:28	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 0:28	CMR
Hexane	88	4.0	1.3		310	14	4.7	2	7/26/23 0:28	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 0:28	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 0:28	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 0:28	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 0:28	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/26/23 0:28	CMR
Naphthalene	0.52	0.10	0.067	L-05, Z-01	2.7	0.52	0.35	2	7/26/23 0:28	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 0:28	CMR
Styrene	0.47	0.10	0.054		2.0	0.43	0.23	2	7/26/23 0:28	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 0:28	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-1-13072023
Sample ID: 23G2057-01
Sample Matrix: Soil Gas
Sampled: 7/13/2023 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1478
Canister Size: 6 liter
Flow Controller ID: 4359
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12	0.10	0.037		83	0.68	0.25	2	7/26/23 0:28	CMR
Tetrahydrofuran	0.58	1.0	0.21	J	1.7	2.9	0.61	2	7/26/23 0:28	CMR
Toluene	6.7	0.10	0.036		25	0.38	0.14	2	7/26/23 0:28	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 0:28	CMR
1,1,1-Trichloroethane	0.046	0.10	0.031	J	0.25	0.55	0.17	2	7/26/23 0:28	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 0:28	CMR
Trichloroethylene	0.35	0.10	0.041		1.9	0.54	0.22	2	7/26/23 0:28	CMR
Trichlorofluoromethane (Freon 11)	ND	0.40	0.041		ND	2.2	0.23	2	7/26/23 0:28	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	0.022		ND	3.1	0.17	2	7/26/23 0:28	CMR
1,2,4-Trimethylbenzene	2.2	0.10	0.046		11	0.49	0.23	2	7/26/23 0:28	CMR
1,3,5-Trimethylbenzene	0.63	0.10	0.052		3.1	0.49	0.25	2	7/26/23 0:28	CMR
Vinyl Acetate	ND	2.0	0.36		ND	7.0	1.3	2	7/26/23 0:28	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 0:28	CMR
m&p-Xylene	9.4	0.20	0.070		41	0.87	0.30	2	7/26/23 0:28	CMR
o-Xylene	3.4	0.10	0.037		15	0.43	0.16	2	7/26/23 0:28	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	97.7	70-130	7/26/23 0:28	

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-2-13072023
Sample ID: 23G2057-02
Sample Matrix: Soil Gas
Sampled: 7/13/2023 14:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1625
Canister Size: 6 liter
Flow Controller ID: 4439
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	64	4.0	0.94		150	9.5	2.2	2	7/26/23 0:54	CMR
Benzene	1.2	0.10	0.031		3.9	0.32	0.099	2	7/26/23 0:54	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 0:54	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 0:54	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 0:54	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 0:54	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 0:54	CMR
2-Butanone (MEK)	6.1	4.0	1.1		18	12	3.3	2	7/26/23 0:54	CMR
Carbon Disulfide	5.0	1.0	0.19		16	3.1	0.60	2	7/26/23 0:54	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 0:54	CMR
Chlorobenzene	0.25	0.10	0.025		1.2	0.46	0.12	2	7/26/23 0:54	CMR
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	7/26/23 0:54	CMR
Chloroform	0.63	0.10	0.026		3.1	0.49	0.13	2	7/26/23 0:54	CMR
Chloromethane	ND	0.20	0.041		ND	0.41	0.084	2	7/26/23 0:54	CMR
Cyclohexane	0.45	0.10	0.044		1.5	0.34	0.15	2	7/26/23 0:54	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 0:54	CMR
1,2-Dibromoethane (EDB)	0.046	0.10	0.033	J	0.35	0.77	0.26	2	7/26/23 0:54	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 0:54	CMR
1,3-Dichlorobenzene	2.9	0.10	0.037		17	0.60	0.22	2	7/26/23 0:54	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 0:54	CMR
Dichlorodifluoromethane (Freon 12)	76	0.10	0.042	L-05, V-06	370	0.49	0.21	2	7/26/23 0:54	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/26/23 0:54	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/26/23 0:54	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 0:54	CMR
cis-1,2-Dichloroethylene	0.070	0.10	0.031	J	0.28	0.40	0.12	2	7/26/23 0:54	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/26/23 0:54	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 0:54	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 0:54	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 0:54	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 0:54	CMR
1,4-Dioxane	1.8	1.0	0.49		6.3	3.6	1.8	2	7/26/23 0:54	CMR
Ethanol	36	4.0	2.7	L-05	68	7.5	5.0	2	7/26/23 0:54	CMR
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	7/26/23 0:54	CMR
Ethylbenzene	2.5	0.10	0.029		11	0.43	0.13	2	7/26/23 0:54	CMR
4-Ethyltoluene	0.34	0.10	0.043		1.7	0.49	0.21	2	7/26/23 0:54	CMR
Heptane	1.2	0.10	0.063		4.8	0.41	0.26	2	7/26/23 0:54	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 0:54	CMR
Hexane	1.4	4.0	1.3	J	5.0	14	4.7	2	7/26/23 0:54	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 0:54	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 0:54	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 0:54	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 0:54	CMR
4-Methyl-2-pentanone (MIBK)	0.85	0.10	0.053		3.5	0.41	0.22	2	7/26/23 0:54	CMR
Naphthalene	0.41	0.10	0.067	L-05, Z-01	2.1	0.52	0.35	2	7/26/23 0:54	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 0:54	CMR
Styrene	0.52	0.10	0.054		2.2	0.43	0.23	2	7/26/23 0:54	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 0:54	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: 5AVE-SV-2-13072023
Sample ID: 23G2057-02
Sample Matrix: Soil Gas
Sampled: 7/13/2023 14:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1625
Canister Size: 6 liter
Flow Controller ID: 4439
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	21	0.10	0.037		140	0.68	0.25	2	7/26/23 0:54	CMR
Tetrahydrofuran	0.98	1.0	0.21	J	2.9	2.9	0.61	2	7/26/23 0:54	CMR
Toluene	27	0.10	0.036		100	0.38	0.14	2	7/26/23 0:54	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 0:54	CMR
1,1,1-Trichloroethane	0.99	0.10	0.031		5.4	0.55	0.17	2	7/26/23 0:54	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 0:54	CMR
Trichloroethylene	0.11	0.10	0.041		0.57	0.54	0.22	2	7/26/23 0:54	CMR
Trichlorofluoromethane (Freon 11)	1.2	0.40	0.041	L-05	7.0	2.2	0.23	2	7/26/23 0:54	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.054	0.40	0.022	J	0.41	3.1	0.17	2	7/26/23 0:54	CMR
1,2,4-Trimethylbenzene	1.6	0.10	0.046		7.8	0.49	0.23	2	7/26/23 0:54	CMR
1,3,5-Trimethylbenzene	0.51	0.10	0.052		2.5	0.49	0.25	2	7/26/23 0:54	CMR
Vinyl Acetate	ND	2.0	0.36		ND	7.0	1.3	2	7/26/23 0:54	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 0:54	CMR
m&p-Xylene	11	0.20	0.070		46	0.87	0.30	2	7/26/23 0:54	CMR
o-Xylene	3.6	0.10	0.037		16	0.43	0.16	2	7/26/23 0:54	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	96.0	70-130	7/26/23 0:54	

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: ABI-SV-1-13072023
Sample ID: 23G2057-03
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1471
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	16	4.0	0.94		37	9.5	2.2	2	7/26/23 1:20	CMR
Benzene	0.45	0.10	0.031		1.5	0.32	0.099	2	7/26/23 1:20	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 1:20	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 1:20	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 1:20	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 1:20	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 1:20	CMR
2-Butanone (MEK)	ND	4.0	1.1		ND	12	3.3	2	7/26/23 1:20	CMR
Carbon Disulfide	3.4	1.0	0.19		11	3.1	0.60	2	7/26/23 1:20	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 1:20	CMR
Chlorobenzene	0.036	0.10	0.025	J	0.17	0.46	0.12	2	7/26/23 1:20	CMR
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	7/26/23 1:20	CMR
Chloroform	0.25	0.10	0.026		1.2	0.49	0.13	2	7/26/23 1:20	CMR
Chloromethane	0.22	0.20	0.041		0.45	0.41	0.084	2	7/26/23 1:20	CMR
Cyclohexane	0.14	0.10	0.044		0.48	0.34	0.15	2	7/26/23 1:20	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 1:20	CMR
1,2-Dibromoethane (EDB)	0.044	0.10	0.033	J	0.34	0.77	0.26	2	7/26/23 1:20	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 1:20	CMR
1,3-Dichlorobenzene	1.3	0.10	0.037		7.6	0.60	0.22	2	7/26/23 1:20	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 1:20	CMR
Dichlorodifluoromethane (Freon 12)	0.73	0.10	0.042	L-05, V-06	3.6	0.49	0.21	2	7/26/23 1:20	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/26/23 1:20	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/26/23 1:20	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 1:20	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/26/23 1:20	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/26/23 1:20	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 1:20	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 1:20	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 1:20	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 1:20	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/26/23 1:20	CMR
Ethanol	32	4.0	2.7	L-05	61	7.5	5.0	2	7/26/23 1:20	CMR
Ethyl Acetate	0.55	1.0	0.29	J	2.0	3.6	1.0	2	7/26/23 1:20	CMR
Ethylbenzene	1.9	0.10	0.029		8.1	0.43	0.13	2	7/26/23 1:20	CMR
4-Ethyltoluene	0.86	0.10	0.043		4.2	0.49	0.21	2	7/26/23 1:20	CMR
Heptane	0.41	0.10	0.063		1.7	0.41	0.26	2	7/26/23 1:20	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 1:20	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/26/23 1:20	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 1:20	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 1:20	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 1:20	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 1:20	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/26/23 1:20	CMR
Naphthalene	1.4	0.10	0.067	L-05, Z-01	7.3	0.52	0.35	2	7/26/23 1:20	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 1:20	CMR
Styrene	0.60	0.10	0.054		2.6	0.43	0.23	2	7/26/23 1:20	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 1:20	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: ABI-SV-1-13072023
Sample ID: 23G2057-03
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1471
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	15	0.10	0.037		100	0.68	0.25	2	7/26/23 1:20	CMR
Tetrahydrofuran	0.27	1.0	0.21	J	0.81	2.9	0.61	2	7/26/23 1:20	CMR
Toluene	25	0.10	0.036		95	0.38	0.14	2	7/26/23 1:20	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 1:20	CMR
1,1,1-Trichloroethane	1.1	0.10	0.031		5.8	0.55	0.17	2	7/26/23 1:20	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 1:20	CMR
Trichloroethylene	0.046	0.10	0.041	J	0.25	0.54	0.22	2	7/26/23 1:20	CMR
Trichlorofluoromethane (Freon 11)	0.37	0.40	0.041	L-05, J	2.1	2.2	0.23	2	7/26/23 1:20	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.094	0.40	0.022	J	0.72	3.1	0.17	2	7/26/23 1:20	CMR
1,2,4-Trimethylbenzene	5.7	0.10	0.046		28	0.49	0.23	2	7/26/23 1:20	CMR
1,3,5-Trimethylbenzene	1.3	0.10	0.052		6.5	0.49	0.25	2	7/26/23 1:20	CMR
Vinyl Acetate	0.70	2.0	0.36	J	2.5	7.0	1.3	2	7/26/23 1:20	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 1:20	CMR
m&p-Xylene	9.8	0.20	0.070		42	0.87	0.30	2	7/26/23 1:20	CMR
o-Xylene	3.8	0.10	0.037		17	0.43	0.16	2	7/26/23 1:20	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	99.3	70-130	7/26/23 1:20	

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: SV-DUP-1
Sample ID: 23G2057-04
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1322
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	17	4.0	0.94		40	9.5	2.2	2	7/26/23 1:46	CMR
Benzene	0.40	0.10	0.031		1.3	0.32	0.099	2	7/26/23 1:46	CMR
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	7/26/23 1:46	CMR
Bromodichloromethane	ND	0.10	0.027		ND	0.67	0.18	2	7/26/23 1:46	CMR
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	7/26/23 1:46	CMR
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	7/26/23 1:46	CMR
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	7/26/23 1:46	CMR
2-Butanone (MEK)	1.3	4.0	1.1	J	3.8	12	3.3	2	7/26/23 1:46	CMR
Carbon Disulfide	3.0	1.0	0.19		9.3	3.1	0.60	2	7/26/23 1:46	CMR
Carbon Tetrachloride	ND	0.10	0.029		ND	0.63	0.18	2	7/26/23 1:46	CMR
Chlorobenzene	0.036	0.10	0.025	J	0.17	0.46	0.12	2	7/26/23 1:46	CMR
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	7/26/23 1:46	CMR
Chloroform	0.21	0.10	0.026		1.0	0.49	0.13	2	7/26/23 1:46	CMR
Chloromethane	0.30	0.20	0.041		0.61	0.41	0.084	2	7/26/23 1:46	CMR
Cyclohexane	0.12	0.10	0.044		0.40	0.34	0.15	2	7/26/23 1:46	CMR
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	7/26/23 1:46	CMR
1,2-Dibromoethane (EDB)	0.038	0.10	0.033	J	0.29	0.77	0.26	2	7/26/23 1:46	CMR
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	7/26/23 1:46	CMR
1,3-Dichlorobenzene	1.1	0.10	0.037		6.6	0.60	0.22	2	7/26/23 1:46	CMR
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	7/26/23 1:46	CMR
Dichlorodifluoromethane (Freon 12)	0.73	0.10	0.042	L-05, V-06	3.6	0.49	0.21	2	7/26/23 1:46	CMR
1,1-Dichloroethane	ND	0.10	0.032		ND	0.40	0.13	2	7/26/23 1:46	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	7/26/23 1:46	CMR
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	7/26/23 1:46	CMR
cis-1,2-Dichloroethylene	ND	0.10	0.031		ND	0.40	0.12	2	7/26/23 1:46	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.033		ND	0.40	0.13	2	7/26/23 1:46	CMR
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	7/26/23 1:46	CMR
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	7/26/23 1:46	CMR
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	7/26/23 1:46	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	7/26/23 1:46	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	7/26/23 1:46	CMR
Ethanol	31	4.0	2.7	L-05	59	7.5	5.0	2	7/26/23 1:46	CMR
Ethyl Acetate	0.89	1.0	0.29	J	3.2	3.6	1.0	2	7/26/23 1:46	CMR
Ethylbenzene	1.6	0.10	0.029		7.1	0.43	0.13	2	7/26/23 1:46	CMR
4-Ethyltoluene	0.84	0.10	0.043		4.1	0.49	0.21	2	7/26/23 1:46	CMR
Heptane	0.38	0.10	0.063		1.6	0.41	0.26	2	7/26/23 1:46	CMR
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	7/26/23 1:46	CMR
Hexane	ND	4.0	1.3		ND	14	4.7	2	7/26/23 1:46	CMR
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	7/26/23 1:46	CMR
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	7/26/23 1:46	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.049		ND	0.36	0.18	2	7/26/23 1:46	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	7/26/23 1:46	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	7/26/23 1:46	CMR
Naphthalene	1.8	0.10	0.067	L-05, Z-01	9.4	0.52	0.35	2	7/26/23 1:46	CMR
Propene	ND	4.0	1.1		ND	6.9	1.9	2	7/26/23 1:46	CMR
Styrene	0.53	0.10	0.054		2.2	0.43	0.23	2	7/26/23 1:46	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	7/26/23 1:46	CMR

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ANALYTICAL RESULTS

Project Location: Bayshore, NY
Date Received: 7/17/2023
Field Sample #: SV-DUP-1
Sample ID: 23G2057-04
Sample Matrix: Soil Gas
Sampled: 7/13/2023 12:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1322
Canister Size: 6 liter
Flow Controller ID: 4336
Sample Type: 2 hr

Work Order: 23G2057
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12	0.10	0.037		84	0.68	0.25	2	7/26/23 1:46	CMR
Tetrahydrofuran	0.30	1.0	0.21	J	0.88	2.9	0.61	2	7/26/23 1:46	CMR
Toluene	21	0.10	0.036		80	0.38	0.14	2	7/26/23 1:46	CMR
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	7/26/23 1:46	CMR
1,1,1-Trichloroethane	0.93	0.10	0.031		5.1	0.55	0.17	2	7/26/23 1:46	CMR
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	7/26/23 1:46	CMR
Trichloroethylene	ND	0.10	0.041		ND	0.54	0.22	2	7/26/23 1:46	CMR
Trichlorofluoromethane (Freon 11)	0.37	0.40	0.041	L-05, J	2.1	2.2	0.23	2	7/26/23 1:46	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.092	0.40	0.022	J	0.71	3.1	0.17	2	7/26/23 1:46	CMR
1,2,4-Trimethylbenzene	5.9	0.10	0.046		29	0.49	0.23	2	7/26/23 1:46	CMR
1,3,5-Trimethylbenzene	1.5	0.10	0.052		7.3	0.49	0.25	2	7/26/23 1:46	CMR
Vinyl Acetate	1.3	2.0	0.36	J	4.7	7.0	1.3	2	7/26/23 1:46	CMR
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	7/26/23 1:46	CMR
m&p-Xylene	9.3	0.20	0.070		40	0.87	0.30	2	7/26/23 1:46	CMR
o-Xylene	4.1	0.10	0.037		18	0.43	0.16	2	7/26/23 1:46	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.7	70-130	7/26/23 1:46

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23G2057-01 [5AVE-SV-1-13072023]	B347545	1.5	1	N/A	1000	200	150	07/25/23
23G2057-02 [5AVE-SV-2-13072023]	B347545	1.5	1	N/A	1000	200	150	07/25/23
23G2057-03 [ABI-SV-1-13072023]	B347545	1.5	1	N/A	1000	200	150	07/25/23
23G2057-04 [SV-DUP-1]	B347545	1.5	1	N/A	1000	200	150	07/25/23

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B347545 - TO-15 Prep											
Blank (B347545-BLK1)					Prepared & Analyzed: 07/25/23						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.080									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	0.0080	0.020									J
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.080									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									Z-01
Propene	ND	0.80									
Styrene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B347545 - TO-15 Prep												
Blank (B347545-BLK1)					Prepared & Analyzed: 07/25/23							
1,1,2,2-Tetrachloroethane	ND	0.020										
Tetrachloroethylene	ND	0.020										
Tetrahydrofuran	ND	0.20										
Toluene	ND	0.020										
1,2,4-Trichlorobenzene	ND	0.020										
1,1,1-Trichloroethane	ND	0.020										
1,1,2-Trichloroethane	ND	0.020										
Trichloroethylene	ND	0.020										
Trichlorofluoromethane (Freon 11)	ND	0.080										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080										
1,2,4-Trimethylbenzene	ND	0.020										
1,3,5-Trimethylbenzene	ND	0.020										
Vinyl Acetate	ND	0.40										
Vinyl Chloride	ND	0.020										
m&p-Xylene	ND	0.040										
o-Xylene	ND	0.020										
Surrogate: 4-Bromofluorobenzene (1)	*7.71*				*8.00*		*96.3*		*70-130*			
LCS (B347545-BS1)					Prepared & Analyzed: 07/25/23							
Acetone	4.76				5.00		95.3		70-130			
Benzene	4.51				5.00		90.2		70-130			
Benzyl chloride	3.73				5.00		74.6		70-130			
Bromodichloromethane	4.65				5.00		93.1		70-130			
Bromoform	5.29				5.00		106		70-130			
Bromomethane	6.07				5.00		121		70-130			
1,3-Butadiene	5.40				5.00		108		70-130			
2-Butanone (MEK)	5.04				5.00		101		70-130			
Carbon Disulfide	5.42				5.00		108		70-130			
Carbon Tetrachloride	5.44				5.00		109		70-130			
Chlorobenzene	4.75				5.00		95.0		70-130			
Chloroethane	5.34				5.00		107		70-130			
Chloroform	6.28				5.00		126		70-130			
Chloromethane	4.77				5.00		95.4		70-130			
Cyclohexane	4.70				5.00		93.9		70-130			
Dibromochloromethane	5.63				5.00		113		70-130			
1,2-Dibromoethane (EDB)	5.19				5.00		104		70-130			
1,2-Dichlorobenzene	4.88				5.00		97.7		70-130			
1,3-Dichlorobenzene	4.97				5.00		99.5		70-130			
1,4-Dichlorobenzene	5.03				5.00		101		70-130			
Dichlorodifluoromethane (Freon 12)	7.09				5.00		**142**	*	70-130			L-05, V-06
1,1-Dichloroethane	5.82				5.00		116		70-130			
1,2-Dichloroethane	5.67				5.00		113		70-130			
1,1-Dichloroethylene	5.34				5.00		107		70-130			
cis-1,2-Dichloroethylene	5.68				5.00		114		70-130			
trans-1,2-Dichloroethylene	5.77				5.00		115		70-130			
1,2-Dichloropropane	4.18				5.00		83.6		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B347545 - TO-15 Prep												
LCS (B347545-BS1)					Prepared & Analyzed: 07/25/23							
cis-1,3-Dichloropropene	4.62				5.00		92.4		70-130			
trans-1,3-Dichloropropene	4.89				5.00		97.8		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.89				5.00		118		70-130			
1,4-Dioxane	4.63				5.00		92.7		70-130			
Ethanol	7.07				5.00		**141**	*	70-130			L-05
Ethyl Acetate	5.29				5.00		106		70-130			
Ethylbenzene	4.59				5.00		91.8		70-130			
4-Ethyltoluene	4.64				5.00		92.9		70-130			
Heptane	4.24				5.00		84.8		70-130			
Hexachlorobutadiene	5.64				4.25		**133**	*	70-130			L-01
Hexane	4.91				5.00		98.3		70-130			
2-Hexanone (MBK)	3.69				5.00		73.8		70-130			
Isopropanol	5.11				5.00		102		70-130			
Methyl tert-Butyl Ether (MTBE)	6.04				5.00		121		70-130			
Methylene Chloride	4.35				5.00		87.0		70-130			
4-Methyl-2-pentanone (MIBK)	4.37				5.00		87.4		70-130			
Naphthalene	4.90				3.68		**133**	*	70-130			L-05, Z-01
Propene	6.63				5.00		**133**	*	70-130			L-05
Styrene	5.13				5.00		103		70-130			
1,1,2,2-Tetrachloroethane	4.20				5.00		83.9		70-130			
Tetrachloroethylene	4.84				5.00		96.8		70-130			
Tetrahydrofuran	4.93				5.00		98.6		70-130			
Toluene	4.81				5.00		96.2		70-130			
1,2,4-Trichlorobenzene	4.85				3.90		124		70-130			
1,1,1-Trichloroethane	5.08				5.00		102		70-130			
1,1,2-Trichloroethane	4.99				5.00		99.7		70-130			
Trichloroethylene	5.00				5.00		100		70-130			
Trichlorofluoromethane (Freon 11)	6.58				5.00		**132**	*	70-130			L-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.16				5.00		123		70-130			
1,2,4-Trimethylbenzene	5.10				5.00		102		70-130			
1,3,5-Trimethylbenzene	5.46				5.00		109		70-130			
Vinyl Acetate	4.14				5.00		82.9		70-130			
Vinyl Chloride	5.48				5.00		110		70-130			
m&p-Xylene	10.2				10.0		102		70-130			
o-Xylene	5.10				5.00		102		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.05*				*8.00*		*101*		*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
Z-01	Calibrations RSD for this compound is >30% but <40%.

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ANALYST

TPH	Thomas P. Hnitecki
STATION	Report Queue Station
KKS	Kyle K. Stuckey
KMC	Kristen M Couture
CMR	Catherine M. Rouleau

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S085380-ICV1)			Lab File ID: J23A090036.D			Analyzed: 04/01/23 05:53			
Bromochloromethane (1)	298104	2.788	298104	2.788	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	850179	3.418	850179	3.418	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	747035	5.036	747035	5.036	100	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S091262-CCV1)			Lab File ID: J23A206006.D			Analyzed: 07/25/23 10:56			
Bromochloromethane (1)	197908	2.779	197908	2.779	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	730731	3.415	730731	3.415	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	644637	5.036	644637	5.036	100	60 - 140	0.0000	+/-0.50	
LCS (B347545-BS1)			Lab File ID: J23A206028.D			Analyzed: 07/25/23 21:29			
Bromochloromethane (1)	200316	2.782	197908	2.779	101	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	735841	3.415	730731	3.415	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	641845	5.036	644637	5.036	100	60 - 140	0.0000	+/-0.50	
Blank (B347545-BLK1)			Lab File ID: J23A206031.D			Analyzed: 07/25/23 22:57			
Bromochloromethane (1)	191097	2.766	197908	2.779	97	60 - 140	-0.0130	+/-0.50	
1,4-Difluorobenzene (1)	625358	3.402	730731	3.415	86	60 - 140	-0.0130	+/-0.50	
Chlorobenzene-d5 (1)	570672	5.032	644637	5.036	89	60 - 140	-0.0040	+/-0.50	
5AVE-SV-1-13072023 (23G2057-01)			Lab File ID: J23A206034.D			Analyzed: 07/26/23 00:28			
Bromochloromethane (1)	146073	2.788	197908	2.779	74	60 - 140	0.0090	+/-0.50	
1,4-Difluorobenzene (1)	553424	3.419	730731	3.415	76	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	544280	5.036	644637	5.036	84	60 - 140	0.0000	+/-0.50	
5AVE-SV-2-13072023 (23G2057-02)			Lab File ID: J23A206035.D			Analyzed: 07/26/23 00:54			
Bromochloromethane (1)	190107	2.795	197908	2.779	96	60 - 140	0.0160	+/-0.50	
1,4-Difluorobenzene (1)	643373	3.425	730731	3.415	88	60 - 140	0.0100	+/-0.50	
Chlorobenzene-d5 (1)	622447	5.036	644637	5.036	97	60 - 140	0.0000	+/-0.50	
ABI-SV-1-13072023 (23G2057-03)			Lab File ID: J23A206036.D			Analyzed: 07/26/23 01:20			
Bromochloromethane (1)	203004	2.782	197908	2.779	103	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	691581	3.415	730731	3.415	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	665510	5.036	644637	5.036	103	60 - 140	0.0000	+/-0.50	
SV-DUP-1 (23G2057-04)			Lab File ID: J23A206037.D			Analyzed: 07/26/23 01:46			
Bromochloromethane (1)	203527	2.782	197908	2.779	103	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	703901	3.418	730731	3.415	96	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	679595	5.036	644637	5.036	105	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S091262-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.53	1.034114	0.9362815		-9.5	30	
Benzene	A	5.00	4.49	0.8123645	0.7298292		-10.2	30	
Benzyl chloride	L	5.00	4.63	0.5056852	0.7031058		-7.5	30	
Bromodichloromethane	A	5.00	4.62	0.6094342	0.5633307		-7.6	30	
Bromoform	A	5.00	5.45	0.4573839	0.4983741		9.0	30	
Bromomethane	A	5.00	5.95	0.6761959	0.8047295		19.0	30	
1,3-Butadiene	A	5.00	5.19	0.5092257	0.528488		3.8	30	
2-Butanone (MEK)	A	5.00	4.87	1.148647	1.119583		-2.5	30	
Carbon Disulfide	A	5.00	5.33	2.001154	2.134083		6.6	30	
Carbon Tetrachloride	A	5.00	5.43	0.5037067	0.5472657		8.6	30	
Chlorobenzene	A	5.00	4.91	0.7622773	0.7480899		-1.9	30	
Chloroethane	A	5.00	5.26	0.4202137	0.441684		5.1	30	
Chloroform	A	5.00	6.24	1.577837	1.968106		24.7	30	
Chloromethane	A	5.00	4.05	0.5966374	0.483457		-19.0	30	
Cyclohexane	A	5.00	4.70	0.3246406	0.3052023		-6.0	30	
Dibromochloromethane	A	5.00	5.63	0.5189836	0.5846813		12.7	30	
1,2-Dibromoethane (EDB)	A	5.00	5.25	0.4960864	0.5206825		5.0	30	
1,2-Dichlorobenzene	A	5.00	5.41	0.4911951	0.5311094		8.1	30	
1,3-Dichlorobenzene	A	5.00	5.67	0.5456808	0.6184392		13.3	30	
1,4-Dichlorobenzene	A	5.00	5.67	0.5309926	0.6017625		13.3	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	6.98	1.809285	2.525642		39.6	30	*
1,1-Dichloroethane	A	5.00	5.71	1.317427	1.504376		14.2	30	
1,2-Dichloroethane	A	5.00	5.64	0.9730911	1.097261		12.8	30	
1,1-Dichloroethylene	A	5.00	5.29	1.146845	1.213081		5.8	30	
cis-1,2-Dichloroethylene	A	5.00	5.70	0.9524103	1.084908		13.9	30	
trans-1,2-Dichloroethylene	A	5.00	5.75	1.02979	1.183467		14.9	30	
1,2-Dichloropropane	A	5.00	4.16	0.3033695	0.2522406		-16.9	30	
cis-1,3-Dichloropropene	A	5.00	4.84	0.4042769	0.3910342		-3.3	30	
trans-1,3-Dichloropropene	A	5.00	5.23	0.3279415	0.343172		4.6	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.77	1.964888	2.26688		15.4	30	
1,4-Dioxane	A	5.00	4.39	0.1624784	0.1428006		-12.1	30	
Ethanol	A	5.00	5.37	0.1724202	0.1851931		7.4	30	
Ethyl Acetate	A	5.00	5.29	0.2040016	0.2158498		5.8	30	
Ethylbenzene	A	5.00	4.73	1.293794	1.224071		-5.4	30	
4-Ethyltoluene	A	5.00	5.12	1.173601	1.201003		2.3	30	
Heptane	A	5.00	4.29	0.2390228	0.2052717		-14.1	30	
Hexachlorobutadiene	A	5.00	6.28	0.2261563	0.2842729		25.7	30	
Hexane	L	5.00	4.88	0.6738496	0.6604928		-2.4	30	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S091262-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	3.77	0.4320676	0.3259906		-24.6	30
Isopropanol	A	5.00	4.59	1.163166	1.067373		-8.2	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	6.00	1.752887	2.103159		20.0	30
Methylene Chloride	A	5.00	4.22	0.8161184	0.6896053		-15.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.40	0.1991676	0.1754692		-11.9	30
Naphthalene	A	5.00	5.66	0.4140914	0.4685924		13.2	30
Propene	A	5.00	6.44	0.3783566	0.4872486		28.8	30
Styrene	A	5.00	5.42	0.6193387	0.6708296		8.3	30
1,1,2,2-Tetrachloroethane	A	5.00	4.53	0.7875453	0.7138628		-9.4	30
Tetrachloroethylene	A	5.00	4.89	0.4061033	0.3972841		-2.2	30
Tetrahydrofuran	A	5.00	4.93	0.5602263	0.5522485		-1.4	30
Toluene	A	5.00	4.85	0.9952737	0.9662592		-2.9	30
1,2,4-Trichlorobenzene	A	5.00	5.74	0.1951236	0.2239723		14.8	30
1,1,1-Trichloroethane	A	5.00	5.00	0.5148362	0.5148138		-0.004	30
1,1,2-Trichloroethane	A	5.00	4.94	0.3494055	0.3453925		-1.1	30
Trichloroethylene	A	5.00	4.86	0.3469588	0.3370083		-2.9	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.42	1.832227	2.353465		28.4	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.94	1.363757	1.620381		18.8	30
1,2,4-Trimethylbenzene	A	5.00	5.62	0.9035781	1.016004		12.4	30
1,3,5-Trimethylbenzene	A	5.00	5.74	0.9651619	1.108739		14.9	30
Vinyl Acetate	A	5.00	4.52	1.160867	1.050282		-9.5	30
Vinyl Chloride	A	5.00	5.26	0.7330867	0.771704		5.3	30
m&p-Xylene	A	10.0	10.5	1.010218	1.065494		5.5	30
o-Xylene	A	5.00	5.19	0.9862305	1.02338		3.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	EA Engineering
Address:	2609 W. Jefferson St, Syracuse NY 13202
Phone:	315 390 1376
Project Name:	South Shore Outdoor
Project Location:	Bayshore, NY
Project Number:	160533 (EA) 152228 (NYSDEC)
Project Manager:	Kritika Thapa
Pace Quote Name/Number:	Callout 147379
Invoice Recipient:	
Sampled By:	Mariah Gilfrey

Requested Turnaround Time:
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☒ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15				" Hg			Summa Can ID	Flow Controller ID
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure		
01	SAVE-SV-1-130723	7/13/23 1350	7/13/23 1540	110	0.05	SG	5.5	X				-30	-6	-5.8	1478	4359
02	SAVE-SV-2-130723	7/13/23 1229	7/13/23 1924	115		SG	5.75	X				-30	-6	-7.2	16025	4439
03	ABI-SV-1-130723	7/13/23 1055	7/13/23 1243	108		SG	5.4	X				-30	-6	-5.9	1471	4336
	~~SV-DUP-1~~	~~7/13/23 1055~~	~~7/13/23 1243~~			~~SG~~		X				-30	-6		1322	4336
04	SV-DUP-1	07/13/23 1055	07/13/23 1243	108		SG	5.4	X				-30	-6	-5.9	1322	4336

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
NYSDEC Equis EDD required

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1400 07/14/2023	
Received by: (signature)	Date/Time: 7/17/23 1213	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA:
CT:
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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7/14/2023 5:34 PM

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WINDSOR, CT
7/17/2023 3:52 AM

OUT FOR DELIVERY
WINDSOR, CT
7/17/2023 3:59 AM

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East Longmeadow, MA US

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Log In Back-Sheet

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

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Client EA Engineering
Project South Shore outdoor
MCP/RCP Required
Deliverable Package Requirement CAT B
Location Bayshore, NY
PWSID# (When Applicable)
Arrival Method FedEX 7725 9801 1101
Received By / Date / Time KMC 7/17/23 1213
Back-Sheet By / Date / Time KMC 7/17/23 1430
Temperature Method #
Temp < 6° C ☐ Actual Temperature
Rush Samples: Yes / (No) Notify
Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

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

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	3	2hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s		8		16		24	
1	1478	9		17		25	
2	1625	10		18		26	
3	1471	11		19		27	
4	1322	12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23		31	

Regs #'s		8		16		24	
1	4359	9		17		25	
2	4439	10		18		26	
3	4336	11		19		27	
4	4336	12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23		31	

Unused Media		8		16		24	
1		9		17		25	
2		10		18		26	
3		11		19		27	
4		12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23		31	

Pufs/TO-17's		8		16		24	
1		9		17		25	
2		10		18		26	
3		11		19		27	
4		12		20		28	
5		13		21		29	
6		14		22		30	
7		15		23			

Air Sampling Media Certificate of Analysis

Date Analyzed: 6/27/2023 **Batch #:** 23CC0491

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1478, BC1625, BC1322, BC1471

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 7/31/23

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August 3, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bay Shore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2098

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2098

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-2-45	23G2098-01	Ground Water		SW-846 8270E	
5AVE-DPT-2-35	23G2098-02	Ground Water		SW-846 8270E	
5AVE-DPT-3-50	23G2098-03	Ground Water		SW-846 8270E	
5AVE-DPT-3-40	23G2098-04	Ground Water		SW-846 8270E	
DPT-EQB-2-11072023	23G2098-05	Ground Water		SW-846 8270E	
DPT-EQB-3-13072023	23G2098-06	Ground Water		SW-846 8270E	
5AVE-DPT-1-40	23G2098-07	Ground Water		SW-846 8270E	
DPT-DUP-2	23G2098-08	Ground Water		SW-846 8270E	
5AVE-DPT-1-50	23G2098-09	Ground Water		SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

Qualifications:

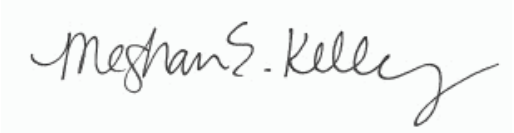
H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2098-07RE1[5AVE-DPT-1-40], 23G2098-09RE1[5AVE-DPT-1-50]

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



Meghan E. Kelley
Reporting Specialist

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2098-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 17:51	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	28.6	15-110		7/25/23 17:51	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2098-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:11	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	25.5	15-110		7/25/23 18:11	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2098-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.13	0.20	0.033	µg/L	1	J	SW-846 8270E	7/18/23	7/25/23 18:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110		7/25/23 18:30	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2098-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	32.2	15-110			7/25/23 18:50

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2098-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 19:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		7/25/23 19:10

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2098-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.22	0.036	µg/L	1		SW-846 8270E	7/20/23	7/25/23 19:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.0	15-110		7/25/23 19:29

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2098-07

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.0	15-110			8/2/23 18:15

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2098-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 20:08	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			7/25/23 20:08

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2098-09

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.0	15-110			8/2/23 18:34

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Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-01 [5AVE-DPT-2-45]	B346225	1020	1.00	07/18/23
23G2098-02 [5AVE-DPT-2-35]	B346225	1010	1.00	07/18/23
23G2098-03 [5AVE-DPT-3-50]	B346225	1000	1.00	07/18/23
23G2098-04 [5AVE-DPT-3-40]	B346225	1000	1.00	07/18/23
23G2098-05 [DPT-EQB-2-11072023]	B346225	960	1.00	07/18/23
23G2098-08 [DPT-DUP-2]	B346225	960	1.00	07/18/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-06 [DPT-EQB-3-13072023]	B346502	900	1.00	07/20/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-07RE1 [5AVE-DPT-1-40]	B347697	990	1.00	08/01/23
23G2098-09RE1 [5AVE-DPT-1-50]	B347697	1000	1.00	08/01/23

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346225 - SW-846 3510C										
Blank (B346225-BLK1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.63*		µg/L	10.0		26.3	15-110			
LCS (B346225-BS1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140			
Surrogate: 1,4-Dioxane-d8	*3.31*		µg/L	10.0		33.1	15-110			
LCS Dup (B346225-BSD1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140	0.676	30	
Surrogate: 1,4-Dioxane-d8	*3.26*		µg/L	10.0		32.6	15-110			
Batch B346502 - SW-846 3510C										
Blank (B346502-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.60*		µg/L	10.0		26.0	15-110			
LCS (B346502-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	9.17	0.20	µg/L	10.0		91.7	40-140			
Surrogate: 1,4-Dioxane-d8	*3.53*		µg/L	10.0		35.3	15-110			
LCS Dup (B346502-BSD1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	10.1	0.20	µg/L	10.0		101	40-140	9.49	30	
Surrogate: 1,4-Dioxane-d8	*2.92*		µg/L	10.0		29.2	15-110			
Batch B347697 - SW-846 3510C										
Blank (B347697-BLK1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*5.95*		µg/L	10.0		59.5	15-110			
LCS (B347697-BS1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	11.7	0.20	µg/L	10.0		117	40-140			
Surrogate: 1,4-Dioxane-d8	*3.40*		µg/L	10.0		34.0	15-110			
LCS Dup (B347697-BSD1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	10.9	0.20	µg/L	10.0		109	40-140	6.51	30	
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
Matrix Spike (B347697-MS1)	**Source: 23G2098-07RE1**			Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140			
Surrogate: 1,4-Dioxane-d8	*3.37*		µg/L	10.3		32.7	15-110			

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347697 - SW-846 3510C										
Matrix Spike Dup (B347697-MSD1)		**Source: 23G2098-07RE1**		Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140	0.294	20	
Surrogate: 1,4-Dioxane-d8	*3.51*		µg/L	10.3		34.0	15-110			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024

Pace Analytical™

Phone: 612-607-6400
Fax: 612-607-6344

L320048

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1396 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Kelley / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260D-VOCs	# of Containers	Preservation Code	Container Code	Field Filtered
1	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X				
2	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X				
3	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X				
4	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X				
5	DPT-GQB-2-110720223	7/11/23	1750		X	GW	U	X				
6	DPT-GQB-3-130720223	7/13/23	1705		X	GW	U	X				
7	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X				
8	DPT-DUP-2	7/13/23			X	GW	U	X				
9	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X				

ANALYSIS REQUESTED

Client has indicated that the incorrect analysis was requested for these samples. These samples should be analyzed by 1,4-Dioxane per Page 2. KKS 7/18/23

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(One of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
... = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Monica Kelley	7/14/2023 1300
Received by: (signature) 3.0°C	Date/Time: 7-15-23 1110
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Package Options (circle if required)
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☒ NY TOGS
☐ NY CP-51

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (New York)

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Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	22												# of Containers	[2] Preservation Code	[3] Container Code	Field Filtered / Lab to Filter
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X																
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X																
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X																
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X																
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X																
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X																
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X																
	DPT-DUP-2	7/13/23			X	GW	U	X																
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X																

Field Filtered ☐ Lab to Filter ☐
Field Filtered ☐ Lab to Filter ☐

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ (Mo) SAVE-DPT-40 for MS/MSD (one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverables
AWQ STDS ☐ NY TOGS ☒
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☐
NY Part 375 ☐

Reporting Info
Enhanced Data Package ☐
NYSDEC EQuIS EDD ☒
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

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[redacted]

FedEx® Tracking

DELIVERED

Saturday

7/15/2023 at 11:10 am

Signed for by: N.MULLIONAIRE

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Shipment is 1 of 2 pieces

TRACKING ID

781149303530

FROM
SYRACUSE, NY US

Label Created
7/14/2023 11:25 AM

WE HAVE YOUR PACKAGE
NORTH SYRACUSE, NY
7/14/2023 5:56 PM

IN TRANSIT
WINDSOR LOCKS, CT
7/15/2023 8:14 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
7/15/2023 8:37 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
7/15/2023 at 11:10 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL **SUBMIT**

MORE OPTIONS ASK FEDEX

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NY Tobs NY Cat B (MCP)

Deliverable Package Requirement NYSDEC EQuIS EDD

Location Bay Shore, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/15/23 1110 STM 1110

Back-Sheet By / Date / Time STM 7/17/23 1630

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 3.0, 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE 7/15/23 TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

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August 3, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bay Shore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2098

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2098

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-2-45	23G2098-01	Ground Water		SW-846 8270E	
5AVE-DPT-2-35	23G2098-02	Ground Water		SW-846 8270E	
5AVE-DPT-3-50	23G2098-03	Ground Water		SW-846 8270E	
5AVE-DPT-3-40	23G2098-04	Ground Water		SW-846 8270E	
DPT-EQB-2-11072023	23G2098-05	Ground Water		SW-846 8270E	
DPT-EQB-3-13072023	23G2098-06	Ground Water		SW-846 8270E	
5AVE-DPT-1-40	23G2098-07	Ground Water		SW-846 8270E	
DPT-DUP-2	23G2098-08	Ground Water		SW-846 8270E	
5AVE-DPT-1-50	23G2098-09	Ground Water		SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

Qualifications:

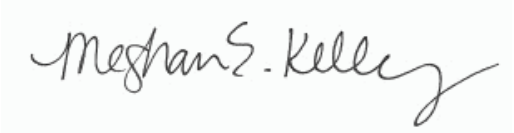
H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2098-07RE1[5AVE-DPT-1-40], 23G2098-09RE1[5AVE-DPT-1-50]

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



Meghan E. Kelley
Reporting Specialist

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2098-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 17:51	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	28.6	15-110		7/25/23 17:51

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2098-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:11	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	25.5	15-110		7/25/23 18:11

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2098-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.13	0.20	0.033	µg/L	1	J	SW-846 8270E	7/18/23	7/25/23 18:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	31.3	15-110		7/25/23 18:30

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2098-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	32.2	15-110		7/25/23 18:50	

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2098-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 19:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		7/25/23 19:10

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2098-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.22	0.036	µg/L	1		SW-846 8270E	7/20/23	7/25/23 19:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.0	15-110		7/25/23 19:29

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2098-07

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.0	15-110		8/2/23 18:15	

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2098-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 20:08	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			7/25/23 20:08

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2098-09

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.0	15-110			8/2/23 18:34

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Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-01 [5AVE-DPT-2-45]	B346225	1020	1.00	07/18/23
23G2098-02 [5AVE-DPT-2-35]	B346225	1010	1.00	07/18/23
23G2098-03 [5AVE-DPT-3-50]	B346225	1000	1.00	07/18/23
23G2098-04 [5AVE-DPT-3-40]	B346225	1000	1.00	07/18/23
23G2098-05 [DPT-EQB-2-11072023]	B346225	960	1.00	07/18/23
23G2098-08 [DPT-DUP-2]	B346225	960	1.00	07/18/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-06 [DPT-EQB-3-13072023]	B346502	900	1.00	07/20/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-07RE1 [5AVE-DPT-1-40]	B347697	990	1.00	08/01/23
23G2098-09RE1 [5AVE-DPT-1-50]	B347697	1000	1.00	08/01/23

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346225 - SW-846 3510C										
Blank (B346225-BLK1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.63*		µg/L	10.0		26.3	15-110			
LCS (B346225-BS1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140			
Surrogate: 1,4-Dioxane-d8	*3.31*		µg/L	10.0		33.1	15-110			
LCS Dup (B346225-BSD1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140	0.676	30	
Surrogate: 1,4-Dioxane-d8	*3.26*		µg/L	10.0		32.6	15-110			
Batch B346502 - SW-846 3510C										
Blank (B346502-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.60*		µg/L	10.0		26.0	15-110			
LCS (B346502-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	9.17	0.20	µg/L	10.0		91.7	40-140			
Surrogate: 1,4-Dioxane-d8	*3.53*		µg/L	10.0		35.3	15-110			
LCS Dup (B346502-BSD1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	10.1	0.20	µg/L	10.0		101	40-140	9.49	30	
Surrogate: 1,4-Dioxane-d8	*2.92*		µg/L	10.0		29.2	15-110			
Batch B347697 - SW-846 3510C										
Blank (B347697-BLK1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*5.95*		µg/L	10.0		59.5	15-110			
LCS (B347697-BS1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	11.7	0.20	µg/L	10.0		117	40-140			
Surrogate: 1,4-Dioxane-d8	*3.40*		µg/L	10.0		34.0	15-110			
LCS Dup (B347697-BSD1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	10.9	0.20	µg/L	10.0		109	40-140	6.51	30	
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
Matrix Spike (B347697-MS1)	**Source: 23G2098-07RE1**			Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140			
Surrogate: 1,4-Dioxane-d8	*3.37*		µg/L	10.3		32.7	15-110			

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

QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347697 - SW-846 3510C										
Matrix Spike Dup (B347697-MSD1)		**Source: 23G2098-07RE1**		Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140	0.294	20	
Surrogate: 1,4-Dioxane-d8	*3.51*		µg/L	10.3		34.0	15-110			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024

Pace Analytical™

Phone: 612-607-6400
Fax: 612-607-6344

L320048

https://www.pacelabs.com/ KS

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1396 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Kelley / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260D-VOCs	# of Containers	Preservation Code	Container Code	Field Filtered
1	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X				
2	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X				
3	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X				
4	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X				
5	DPT-GQB-2-110720223	7/11/23	1750		X	GW	U	X				
6	DPT-GQB-3-130720223	7/13/23	1705		X	GW	U	X				
7	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X				
8	DPT-DUP-2	7/13/23			X	GW	U	X				
9	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X				

ANALYSIS REQUESTED

Client has indicated that the incorrect analysis was requested for these samples. These samples should be analyzed by 1,4-Dioxane per Page 2. KKS 7/18/23

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(One of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
... = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Monica Kelley	7/14/2023 1300
Received by: (signature) 3.0°C	Date/Time: 7-15-23 1110
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Package Options (circle if required)
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☒ NY TOGS
☐ NY CP-51

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	22												# of Containers	[2] Preservation Code	[3] Container Code	Field Filtered / Lab to Filter
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X																
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X																
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X																
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X																
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X																
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X																
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X																
	DPT-DUP-2	7/13/23			X	GW	U	X																
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X																

Field Filtered ☐ Lab to Filter ☐
Field Filtered ☐ Lab to Filter ☐

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ (Mo) SAVE-DPT-40 for MS/MSD (one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverables
AWQ STDS ☐ NY TOGS ☒
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☐
NY Part 375 ☐

Reporting Info
Enhanced Data Package ☐
NYSDEC EQuIS EDD ☒
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

Table of Contents

[redacted]

FedEx® Tracking

DELIVERED

Saturday

7/15/2023 at 11:10 am

Signed for by: N.MULLIONAIRE

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Shipment is 1 of 2 pieces

TRACKING ID

781149303530

FROM
SYRACUSE, NY US

Label Created
7/14/2023 11:25 AM

WE HAVE YOUR PACKAGE
NORTH SYRACUSE, NY
7/14/2023 5:56 PM

IN TRANSIT
WINDSOR LOCKS, CT
7/15/2023 8:14 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
7/15/2023 8:37 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
7/15/2023 at 11:10 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL **SUBMIT**

MORE OPTIONS ASK FEDEX

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NY Tobs NY Cat B (MCP)

Deliverable Package Requirement NYSDEC EQuIS EDD

Location Bay Shore, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/15/23 1110 STM 1110

Back-Sheet By / Date / Time STM 7/17/23 1630

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 3.0, 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE 7/15/23 TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

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August 3, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bay Shore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2098

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/3/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2098

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bay Shore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-2-45	23G2098-01	Ground Water		SW-846 8270E	
5AVE-DPT-2-35	23G2098-02	Ground Water		SW-846 8270E	
5AVE-DPT-3-50	23G2098-03	Ground Water		SW-846 8270E	
5AVE-DPT-3-40	23G2098-04	Ground Water		SW-846 8270E	
DPT-EQB-2-11072023	23G2098-05	Ground Water		SW-846 8270E	
DPT-EQB-3-13072023	23G2098-06	Ground Water		SW-846 8270E	
5AVE-DPT-1-40	23G2098-07	Ground Water		SW-846 8270E	
DPT-DUP-2	23G2098-08	Ground Water		SW-846 8270E	
5AVE-DPT-1-50	23G2098-09	Ground Water		SW-846 8270E	

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CASE NARRATIVE SUMMARY

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

SW-846 8270E

Qualifications:

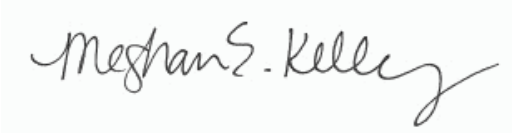
H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

23G2098-07RE1[5AVE-DPT-1-40], 23G2098-09RE1[5AVE-DPT-1-50]

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



Meghan E. Kelley
Reporting Specialist

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

Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2098-01

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 17:51	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	28.6	15-110		7/25/23 17:51

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2098-02

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.032	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:11	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	25.5	15-110		7/25/23 18:11

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2098-03

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	0.13	0.20	0.033	µg/L	1	J	SW-846 8270E	7/18/23	7/25/23 18:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	31.3	15-110		7/25/23 18:30

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2098-04

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	7/18/23	7/25/23 18:50	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	32.2	15-110		7/25/23 18:50	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2098-05

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 19:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	26.4	15-110		7/25/23 19:10

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2098-06

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.22	0.036	µg/L	1		SW-846 8270E	7/20/23	7/25/23 19:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,4-Dioxane-d8	30.0	15-110		7/25/23 19:29

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2098-07

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:15	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	29.0	15-110		8/2/23 18:15	

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2098-08

Sample Matrix: Ground Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.21	0.034	µg/L	1		SW-846 8270E	7/18/23	7/25/23 20:08	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	31.3	15-110			7/25/23 20:08

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Project Location: Bay Shore, NY | Sample Description: | Work Order: 23G2098

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2098-09

Sample Matrix: Ground Water

Sample Flags: H-06

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.20	0.033	µg/L	1		SW-846 8270E	8/1/23	8/2/23 18:34	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,4-Dioxane-d8	30.0	15-110			8/2/23 18:34

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Sample Extraction Data

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-01 [5AVE-DPT-2-45]	B346225	1020	1.00	07/18/23
23G2098-02 [5AVE-DPT-2-35]	B346225	1010	1.00	07/18/23
23G2098-03 [5AVE-DPT-3-50]	B346225	1000	1.00	07/18/23
23G2098-04 [5AVE-DPT-3-40]	B346225	1000	1.00	07/18/23
23G2098-05 [DPT-EQB-2-11072023]	B346225	960	1.00	07/18/23
23G2098-08 [DPT-DUP-2]	B346225	960	1.00	07/18/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-06 [DPT-EQB-3-13072023]	B346502	900	1.00	07/20/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2098-07RE1 [5AVE-DPT-1-40]	B347697	990	1.00	08/01/23
23G2098-09RE1 [5AVE-DPT-1-50]	B347697	1000	1.00	08/01/23

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346225 - SW-846 3510C										
Blank (B346225-BLK1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.63*		µg/L	10.0		26.3	15-110			
LCS (B346225-BS1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140			
Surrogate: 1,4-Dioxane-d8	*3.31*		µg/L	10.0		33.1	15-110			
LCS Dup (B346225-BSD1)				Prepared: 07/18/23 Analyzed: 07/25/23						
1,4-Dioxane	10.2	0.20	µg/L	10.0		102	40-140	0.676	30	
Surrogate: 1,4-Dioxane-d8	*3.26*		µg/L	10.0		32.6	15-110			
Batch B346502 - SW-846 3510C										
Blank (B346502-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*2.60*		µg/L	10.0		26.0	15-110			
LCS (B346502-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	9.17	0.20	µg/L	10.0		91.7	40-140			
Surrogate: 1,4-Dioxane-d8	*3.53*		µg/L	10.0		35.3	15-110			
LCS Dup (B346502-BSD1)				Prepared: 07/20/23 Analyzed: 07/24/23						
1,4-Dioxane	10.1	0.20	µg/L	10.0		101	40-140	9.49	30	
Surrogate: 1,4-Dioxane-d8	*2.92*		µg/L	10.0		29.2	15-110			
Batch B347697 - SW-846 3510C										
Blank (B347697-BLK1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	*5.95*		µg/L	10.0		59.5	15-110			
LCS (B347697-BS1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	11.7	0.20	µg/L	10.0		117	40-140			
Surrogate: 1,4-Dioxane-d8	*3.40*		µg/L	10.0		34.0	15-110			
LCS Dup (B347697-BSD1)				Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	10.9	0.20	µg/L	10.0		109	40-140	6.51	30	
Surrogate: 1,4-Dioxane-d8	*3.45*		µg/L	10.0		34.5	15-110			
Matrix Spike (B347697-MS1)	**Source: 23G2098-07RE1**			Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140			
Surrogate: 1,4-Dioxane-d8	*3.37*		µg/L	10.3		32.7	15-110			

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B347697 - SW-846 3510C										
Matrix Spike Dup (B347697-MSD1)		**Source: 23G2098-07RE1**		Prepared: 08/01/23 Analyzed: 08/02/23						
1,4-Dioxane	12.3	0.21	µg/L	10.3	ND	119	40-140	0.294	20	
Surrogate: 1,4-Dioxane-d8	*3.51*		µg/L	10.3		34.0	15-110			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,4-Dioxane	NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024

Pace Analytical™

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Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1396 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Kelley / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260D-VOCs	# of Containers	Preservation Code	Container Code	Field Filtered
1	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X				
2	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X				
3	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X				
4	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X				
5	DPT-GQB-2-110720223	7/11/23	1750		X	GW	U	X				
6	DPT-GQB-3-130720223	7/13/23	1705		X	GW	U	X				
7	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X				
8	DPT-DUP-2	7/13/23			X	GW	U	X				
9	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X				

ANALYSIS REQUESTED

Client has indicated that the incorrect analysis was requested for these samples. These samples should be analyzed by 1,4-Dioxane per Page 2. KKS 7/18/23

Comments:
Extra volume was taken w/ MS SAVE-DPT-40 for MS/MSD
(One of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
... = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Monica Kelley	7/14/2023 1300
Received by: (signature) 3.0°C	Date/Time: 7-15-23 1110
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Package Options (circle if required)
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☒ NY TOGS
☐ NY CP-51

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company: EA Engineering
Address: 269 W Jefferson St, Syracuse NY 13202
Phone: 315 380 1346 (Sampler's phone)
South Shore Outdoor
Project Location: Bay Shore, NY
Project Number: EA(152228) NYSDEC(1602533)
Project Manager: Kritika Thapa
Pace Analytical Quote Name/Number: Callout #147379
Invoice Recipient:
Sampled By: Monica Gilkey / Jeremy Fontaine

7-Day ☐ 10-Day ☒
Due Date:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☐ EXCEL ☐
Other: Cat B Deliverables
CLP Like Data Pkg Required: ☐
Email To: kthapa@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8270 SIM- 1,4-Dioxane	22												# of Containers	[2] Preservation Code	[3] Container Code	Field Filtered / Lab to Filter
	SAVE-DPT-2-45	7/11/23	1705		X	GW	U	X																
	SAVE-DPT-2-35	7/11/23	1630		X	GW	U	X																
	SAVE-DPT-3-50	7/11/23	1335		X	GW	U	X																
	SAVE-DPT-3-40	7/11/23	1245		X	GW	U	X																
	DPT-EQB-2-11072023	7/11/23	1750		X	GW	U	X																
	DPT-EQB-3-13072023	7/13/23	1705		X	GW	U	X																
	SAVE-DPT-1-40	7/13/23	1520		X	GW	U	X																
	DPT-DUP-2	7/13/23			X	GW	U	X																
	SAVE-DPT-1-50	7/13/23	1620		X	GW	U	X																

Field Filtered ☐ Lab to Filter ☐
Field Filtered ☐ Lab to Filter ☐

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume was taken w/ (Mo) SAVE-DPT-40 for MS/MSD (one of two coolers)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Monica Gilkey	7/14/2023 1300
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverables
AWQ STDS ☐ NY TOGS ☒
NYC Sewer Discharge ☐ NY CP-51 ☐
Part 360 GW (Landfill) ☐
NY Restricted Use ☐
NY Unrestricted Use ☐
NY Part 375 ☐

Reporting Info
Enhanced Data Package ☐
NYSDEC EQuIS EDD ☒
EQuIS (Standard) EDD ☐
NY Regulatory EDD ☐
NY Regs Hits-Only EDD ☐

Other
NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
Chromatogram ☐
AIHA-LAP, LLC ☐

PCB ONLY
Soxhlet ☐
Non Soxhlet ☐

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[redacted]

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DELIVERED

Saturday

7/15/2023 at 11:10 am

Signed for by: N.MULLIONAIRE

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

Shipment is 1 of 2 pieces

TRACKING ID

781149303530

FROM
SYRACUSE, NY US

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7/14/2023 11:25 AM

WE HAVE YOUR PACKAGE
NORTH SYRACUSE, NY
7/14/2023 5:56 PM

IN TRANSIT
WINDSOR LOCKS, CT
7/15/2023 8:14 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
7/15/2023 8:37 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
7/15/2023 at 11:10 AM

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NY Tobs NY Cat B (MCP)

Deliverable Package Requirement NYSDEC EQuIS EDD

Location Bay Shore, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐

Received By / Date / Time AAM 7/15/23 1110 STM 1110

Back-Sheet By / Date / Time STM 7/17/23 1630

Temperature Method Gun # 5

Temp X < 6° C Actual Temperature 3.0, 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE 7/15/23 TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

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July 30, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2118

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 7/30/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2118

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CLAR-DPT-1-35	23G2118-01	Ground Water		SW-846 8260D	
CLAR-DPT-1-45	23G2118-02	Ground Water		SW-846 8260D	
CLAR-DPT-1-55	23G2118-03	Ground Water		SW-846 8260D	
DPT-DUP-1	23G2118-04	Ground Water		SW-846 8260D	
DPT-FB-1-10072023	23G2118-05	Field Blank		SW-846 8260D	
DPT-EQB-1-10072023	23G2118-06	Equipment Blank Water		SW-846 8260D	
CLAR-DPT-2-35	23G2118-07	Ground Water		SW-846 8260D	
CLAR-DPT-2-45	23G2118-08	Ground Water		SW-846 8260D	
CLAR-DPT-2-55	23G2118-09	Ground Water		SW-846 8260D	
5AVE-DPT-3-40	23G2118-10	Ground Water		SW-846 8260D	
5AVE-DPT-3-50	23G2118-11	Ground Water		SW-846 8260D	
5AVE-DPT-2-35	23G2118-12	Ground Water		SW-846 8260D	
5AVE-DPT-2-45	23G2118-13	Ground Water		SW-846 8260D	
DPT-FB-2-11072023	23G2118-14	Field Blank		SW-846 8260D	
DPT-EQB-2-11072023	23G2118-15	Equipment Blank Water		SW-846 8260D	
ABI-DPT-1-35	23G2118-16	Ground Water		SW-846 8260D	
ABI-DPT-1-45	23G2118-17	Ground Water		SW-846 8260D	
DPT-FB-3-12072023	23G2118-18	Field Blank		SW-846 8260D	
ABI-DPT-2-35	23G2118-19	Ground Water		SW-846 8260D	
ABI-DPT-2-45	23G2118-20	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

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SW-846 8260D

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B346810-MS1, B346810-MSD1

1,2-Dibromo-3-chloropropane (DBCP)
B346810-MS1, B346810-MSD1

1,3,5-Trichlorobenzene
B346810-MS1, B346810-MSD1

2-Hexanone (MBK)
B346810-MS1, B346810-MSD1

4-Chlorotoluene
B346810-MS1, B346810-MSD1

Bromoform
B346810-MS1, B346810-MSD1

Methyl Acetate
B346810-MS1, B346810-MSD1

n-Butylbenzene
B346810-MS1, B346810-MSD1

n-Propylbenzene
B346810-MS1, B346810-MSD1

Styrene
B346810-MS1, B346810-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B346810-MS1, B346810-MSD1

Naphthalene
B346810-MS1, B346810-MSD1

tert-Butyl Alcohol (TBA)
B346810-MS1, B346810-MSD1

trans-1,4-Dichloro-2-butene
B346810-MS1, B346810-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
B346810-MSD1

1,4-Dichlorobenzene
B346810-MSD1

1,4-Dioxane
B346810-MS1

Methylene Chloride
B346810-MSD1

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

1,2,4-Trichlorobenzene
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

1,2-Dibromo-3-chloropropane (DBCP)
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

1,4-Dioxane
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

2,2-Dichloropropane
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

Carbon Tetrachloride
23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, S091141-CCV1

Naphthalene
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

tert-Butyl Alcohol (TBA)
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

trans-1,4-Dichloro-2-butene
23G2118-01[CLAR-DPT-1-35], 23G2118-01RE1[CLAR-DPT-1-35], 23G2118-02[CLAR-DPT-1-45], 23G2118-03[CLAR-DPT-1-55], 23G2118-04[DPT-DUP-1], 23G2118-05[DPT-FB-1-10072023], 23G2118-06[DPT-EQB-1-10072023], 23G2118-07[CLAR-DPT-2-35], 23G2118-08[CLAR-DPT-2-45], 23G2118-09[CLAR-DPT-2-55], 23G2118-10[5AVE-DPT-3-40], 23G2118-11[5AVE-DPT-3-50], 23G2118-12[5AVE-DPT-2-35], 23G2118-13[5AVE-DPT-2-45], 23G2118-14[DPT-FB-2-11072023], 23G2118-15[DPT-EQB-2-11072023], 23G2118-16[ABI-DPT-1-35], 23G2118-17[ABI-DPT-1-45], 23G2118-18[DPT-FB-3-12072023], 23G2118-19[ABI-DPT-2-35], 23G2118-20[ABI-DPT-2-45], B346728-BLK1, B346728-BS1, B346728-BSD1, B346810-BLK1, B346810-BS1, B346810-BSD1, S091141-CCV1, S091188-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Vinyl Chloride
B346810-BS1, B346810-BSD1, S091188-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
S091188-CCV1

Hexachlorobutadiene
S091188-CCV1

Methyl Cyclohexane
S091188-CCV1

Z-01

Original run within hold with failing MS/MSD. Sample rerun past hold with MS/MSD.

Analyte & Samples(s) Qualified:

23G2118-01[CLAR-DPT-1-35]

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



Tod E. Kopyscinski
Laboratory Director

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A Pace Analytical® Laboratory

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.2	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Acetone	3.3	50	2.0	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Benzene	0.85	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Benzene	0.95	1.0	0.18	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Methylene Chloride	3.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Tetrachloroethylene	0.38	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Tetrachloroethylene	0.43	1.0	0.17	µg/L	1	J	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:32	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-35 | Sampled: 7/10/2023 15:15

Sample ID: 23G2118-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:32	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/24/23	7/25/23 13:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/22/23 15:32
1,2-Dichloroethane-d4	98.0	70-130		7/25/23 13:30
Toluene-d8	97.4	70-130		7/22/23 15:32
Toluene-d8	99.7	70-130		7/25/23 13:30
4-Bromofluorobenzene	81.9	70-130		7/22/23 15:32
4-Bromofluorobenzene	80.1	70-130		7/25/23 13:30

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-45 | Sampled: 7/10/2023 15:55

Sample ID: 23G2118-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Benzene	0.45	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chloroethane	0.69	2.0	0.34	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1-Dichloroethane	23	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
cis-1,2-Dichloroethylene	0.24	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-45 | Sampled: 7/10/2023 15:55

Sample ID: 23G2118-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Methylene Chloride	2.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Tetrachloroethylene	0.50	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 15:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 15:59
Toluene-d8	99.6	70-130		7/22/23 15:59
4-Bromofluorobenzene	83.4	70-130		7/22/23 15:59

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-55 | Sampled: 7/10/2023 16:37

Sample ID: 23G2118-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.4	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Benzene	1.3	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1-Dichloroethane	13	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1-Dichloroethylene	0.15	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
cis-1,2-Dichloroethylene	0.87	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-1-55 | Sampled: 7/10/2023 16:37

Sample ID: 23G2118-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Methylene Chloride	2.4	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Tetrachloroethylene	0.72	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		7/22/23 16:25
Toluene-d8	97.8	70-130		7/22/23 16:25
4-Bromofluorobenzene	83.2	70-130		7/22/23 16:25

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-DUP-1 | Sampled: 7/10/2023 00:00

Sample ID: 23G2118-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Benzene	1.1	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1-Dichloroethane	13	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1-Dichloroethylene	0.21	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
cis-1,2-Dichloroethylene	0.92	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-DUP-1 | Sampled: 7/10/2023 00:00

Sample ID: 23G2118-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Tetrachloroethylene	0.65	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 16:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/22/23 16:52
Toluene-d8	99.2	70-130		7/22/23 16:52
4-Bromofluorobenzene	81.1	70-130		7/22/23 16:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-1-10072023 | Sampled: 7/10/2023 16:55

Sample ID: 23G2118-05

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-1-10072023 | Sampled: 7/10/2023 16:55

Sample ID: 23G2118-05

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Methylene Chloride	2.3	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		7/22/23 17:19
Toluene-d8	98.8	70-130		7/22/23 17:19
4-Bromofluorobenzene	82.8	70-130		7/22/23 17:19

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-1-10072023 | Sampled: 7/10/2023 17:00

Sample ID: 23G2118-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-1-10072023 | Sampled: 7/10/2023 17:00

Sample ID: 23G2118-06

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Methylene Chloride	2.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 17:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		7/22/23 17:45
Toluene-d8	96.6	70-130		7/22/23 17:45
4-Bromofluorobenzene	84.2	70-130		7/22/23 17:45

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-35 | Sampled: 7/11/2023 08:50

Sample ID: 23G2118-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.0	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-35 | Sampled: 7/11/2023 08:50

Sample ID: 23G2118-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/22/23 18:12
Toluene-d8	99.4	70-130		7/22/23 18:12
4-Bromofluorobenzene	84.3	70-130		7/22/23 18:12

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-45 | Sampled: 7/11/2023 09:23

Sample ID: 23G2118-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-45 | Sampled: 7/11/2023 09:23

Sample ID: 23G2118-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Methylene Chloride	2.0	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,1-Trichloroethane	0.18	1.0	0.15	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 18:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 18:38
Toluene-d8	99.3	70-130		7/22/23 18:38
4-Bromofluorobenzene	82.3	70-130		7/22/23 18:38

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-55 | Sampled: 7/11/2023 10:20

Sample ID: 23G2118-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Benzene	0.55	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: CLAR-DPT-2-55 | Sampled: 7/11/2023 10:20

Sample ID: 23G2118-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Methylene Chloride	2.6	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,1-Trichloroethane	0.23	1.0	0.15	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/22/23 19:05
Toluene-d8	96.7	70-130		7/22/23 19:05
4-Bromofluorobenzene	82.8	70-130		7/22/23 19:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2118-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.0	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1-Dichloroethane	15	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1-Dichloroethylene	0.45	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
cis-1,2-Dichloroethylene	0.46	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2118-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Methylene Chloride	2.1	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		7/22/23 19:32
Toluene-d8	97.2	70-130		7/22/23 19:32
4-Bromofluorobenzene	83.7	70-130		7/22/23 19:32

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2118-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.4	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Carbon Disulfide	1.9	5.0	1.6	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1-Dichloroethane	11	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1-Dichloroethylene	0.27	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
cis-1,2-Dichloroethylene	0.31	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2118-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Methylene Chloride	2.2	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Tetrachloroethylene	0.28	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,1-Trichloroethane	6.0	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Trichloroethylene	1.6	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 19:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		7/22/23 19:58
Toluene-d8	98.0	70-130		7/22/23 19:58
4-Bromofluorobenzene	82.2	70-130		7/22/23 19:58

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2118-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.7	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1-Dichloroethane	5.6	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2118-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Methylene Chloride	2.4	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,1-Trichloroethane	4.0	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Trichloroethylene	0.20	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.8	70-130		7/22/23 20:25
Toluene-d8	97.0	70-130		7/22/23 20:25
4-Bromofluorobenzene	81.3	70-130		7/22/23 20:25

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2118-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.2	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Benzene	0.69	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1-Dichloroethane	4.5	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2118-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Methylene Chloride	2.6	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 20:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 20:51
Toluene-d8	97.5	70-130		7/22/23 20:51
4-Bromofluorobenzene	82.6	70-130		7/22/23 20:51

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2118-14

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2118-14

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/22/23 21:18
Toluene-d8	99.2	70-130		7/22/23 21:18
4-Bromofluorobenzene	83.0	70-130		7/22/23 21:18

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2118-15

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2118-15

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Methylene Chloride	0.18	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 21:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		7/22/23 21:45
Toluene-d8	98.3	70-130		7/22/23 21:45
4-Bromofluorobenzene	83.0	70-130		7/22/23 21:45

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-35 | Sampled: 7/12/2023 10:40

Sample ID: 23G2118-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.2	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Benzene	0.32	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-35 | Sampled: 7/12/2023 10:40

Sample ID: 23G2118-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.3	70-130		7/22/23 22:11
Toluene-d8	98.3	70-130		7/22/23 22:11
4-Bromofluorobenzene	84.4	70-130		7/22/23 22:11

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-45 | Sampled: 7/12/2023 11:05

Sample ID: 23G2118-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-1-45 | Sampled: 7/12/2023 11:05

Sample ID: 23G2118-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 22:38	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/22/23 22:38
Toluene-d8	97.7	70-130		7/22/23 22:38
4-Bromofluorobenzene	81.4	70-130		7/22/23 22:38

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-3-12072023 | Sampled: 7/12/2023 11:30

Sample ID: 23G2118-18

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: DPT-FB-3-12072023 | Sampled: 7/12/2023 11:30

Sample ID: 23G2118-18

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		7/22/23 23:05
Toluene-d8	100	70-130		7/22/23 23:05
4-Bromofluorobenzene	84.7	70-130		7/22/23 23:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-35 | Sampled: 7/12/2023 12:35

Sample ID: 23G2118-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.4	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,4-Dichlorobenzene	0.26	1.0	0.13	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-35 | Sampled: 7/12/2023 12:35

Sample ID: 23G2118-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		7/22/23 23:31
Toluene-d8	97.8	70-130		7/22/23 23:31
4-Bromofluorobenzene	81.6	70-130		7/22/23 23:31

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-45 | Sampled: 7/12/2023 13:15

Sample ID: 23G2118-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2118

Date Received: 7/15/2023

Field Sample #: ABI-DPT-2-45 | Sampled: 7/12/2023 13:15

Sample ID: 23G2118-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,4-Dioxane	ND	50	18	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
p-Isopropyltoluene (p-Cymene)	0.22	1.0	0.13	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 23:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.0	70-130		7/22/23 23:58
Toluene-d8	94.2	70-130		7/22/23 23:58
4-Bromofluorobenzene	90.0	70-130		7/22/23 23:58

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

Sample Extraction Data

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2118-01RE1 [CLAR-DPT-1-35]	B346728	5	5.00	07/21/23
23G2118-02 [CLAR-DPT-1-45]	B346728	5	5.00	07/21/23
23G2118-03 [CLAR-DPT-1-55]	B346728	5	5.00	07/21/23
23G2118-04 [DPT-DUP-1]	B346728	5	5.00	07/21/23
23G2118-05 [DPT-FB-1-10072023]	B346728	5	5.00	07/21/23
23G2118-06 [DPT-EQB-1-10072023]	B346728	5	5.00	07/21/23
23G2118-07 [CLAR-DPT-2-35]	B346728	5	5.00	07/21/23
23G2118-08 [CLAR-DPT-2-45]	B346728	5	5.00	07/21/23
23G2118-09 [CLAR-DPT-2-55]	B346728	5	5.00	07/21/23
23G2118-10 [5AVE-DPT-3-40]	B346728	5	5.00	07/21/23
23G2118-11 [5AVE-DPT-3-50]	B346728	5	5.00	07/21/23
23G2118-12 [5AVE-DPT-2-35]	B346728	5	5.00	07/21/23
23G2118-13 [5AVE-DPT-2-45]	B346728	5	5.00	07/21/23
23G2118-14 [DPT-FB-2-11072023]	B346728	5	5.00	07/21/23
23G2118-15 [DPT-EQB-2-11072023]	B346728	5	5.00	07/21/23
23G2118-16 [ABI-DPT-1-35]	B346728	5	5.00	07/21/23
23G2118-17 [ABI-DPT-1-45]	B346728	5	5.00	07/21/23
23G2118-18 [DPT-FB-3-12072023]	B346728	5	5.00	07/21/23
23G2118-19 [ABI-DPT-2-35]	B346728	5	5.00	07/21/23
23G2118-20 [ABI-DPT-2-45]	B346728	5	5.00	07/21/23

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2118-01 [CLAR-DPT-1-35]	B346810	5	5.00	07/24/23

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346728 - SW-846 5030B										
Blank (B346728-BLK1)				Prepared: 07/21/23 Analyzed: 07/22/23						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							V-05
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
Blank (B346728-BLK1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130				
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.7	70-130				
Surrogate: 4-Bromofluorobenzene	*21.1*		µg/L	25.0		84.4	70-130				
LCS (B346728-BS1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	82.3	50	µg/L	100		82.3	70-160				†
Acrylonitrile	8.23	5.0	µg/L	10.0		82.3	70-130				
tert-Amyl Methyl Ether (TAME)	8.49	0.50	µg/L	10.0		84.9	70-130				
Benzene	10.0	1.0	µg/L	10.0		100	70-130				
Bromobenzene	9.64	1.0	µg/L	10.0		96.4	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	8.10	1.0	µg/L	10.0		81.0	70-130				
Bromomethane	11.8	2.0	µg/L	10.0		118	40-160				†
2-Butanone (MEK)	91.7	20	µg/L	100		91.7	40-160				†
tert-Butyl Alcohol (TBA)	68.8	20	µg/L	100		68.8	40-160			V-05	†
n-Butylbenzene	9.08	1.0	µg/L	10.0		90.8	70-130				
sec-Butylbenzene	8.77	1.0	µg/L	10.0		87.7	70-130				
tert-Butylbenzene	8.59	1.0	µg/L	10.0		85.9	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.85	0.50	µg/L	10.0		88.5	70-130				
Carbon Disulfide	89.2	5.0	µg/L	100		89.2	70-130				
Carbon Tetrachloride	7.69	5.0	µg/L	10.0		76.9	70-130			V-05	
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Chlorodibromomethane	9.55	0.50	µg/L	10.0		95.5	70-130				
Chloroethane	8.35	2.0	µg/L	10.0		83.5	70-130				
Chloroform	9.85	2.0	µg/L	10.0		98.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
LCS (B346728-BS1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Chloromethane	8.76	2.0	µg/L	10.0		87.6	40-160				†
2-Chlorotoluene	9.16	1.0	µg/L	10.0		91.6	70-130				
4-Chlorotoluene	9.32	1.0	µg/L	10.0		93.2	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.76	5.0	µg/L	10.0		77.6	70-130			V-05	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	9.88	1.0	µg/L	10.0		98.8	70-130				
1,3-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130				
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,4-Dichloro-2-butene	7.82	2.0	µg/L	10.0		78.2	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	8.60	2.0	µg/L	10.0		86.0	40-160				†
1,1-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130				
1,2-Dichloroethane	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1-Dichloroethylene	8.86	1.0	µg/L	10.0		88.6	70-130				
cis-1,2-Dichloroethylene	9.30	1.0	µg/L	10.0		93.0	70-130				
trans-1,2-Dichloroethylene	8.94	1.0	µg/L	10.0		89.4	70-130				
1,2-Dichloropropane	9.88	1.0	µg/L	10.0		98.8	70-130				
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130				
2,2-Dichloropropane	9.01	1.0	µg/L	10.0		90.1	40-130			V-05	†
1,1-Dichloropropene	9.48	2.0	µg/L	10.0		94.8	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130				
Diethyl Ether	9.02	2.0	µg/L	10.0		90.2	70-130				
Diisopropyl Ether (DIPE)	9.50	0.50	µg/L	10.0		95.0	70-130				
1,4-Dioxane	73.7	50	µg/L	100		73.7	40-130			V-05	†
Ethylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130				
Hexachlorobutadiene	10.7	0.60	µg/L	10.0		107	70-130				
2-Hexanone (MBK)	87.3	10	µg/L	100		87.3	70-160				†
Isopropylbenzene (Cumene)	8.76	1.0	µg/L	10.0		87.6	70-130				
p-Isopropyltoluene (p-Cymene)	8.90	1.0	µg/L	10.0		89.0	70-130				
Methyl Acetate	7.83	1.0	µg/L	10.0		78.3	70-130				
Methyl tert-Butyl Ether (MTBE)	8.35	1.0	µg/L	10.0		83.5	70-130				
Methyl Cyclohexane	10.0	1.0	µg/L	10.0		100	70-130				
Methylene Chloride	9.17	5.0	µg/L	10.0		91.7	70-130				
4-Methyl-2-pentanone (MIBK)	87.2	10	µg/L	100		87.2	70-160				†
Naphthalene	5.88	2.0	µg/L	10.0		58.8	40-130			V-05	†
n-Propylbenzene	8.88	1.0	µg/L	10.0		88.8	70-130				
Styrene	8.83	1.0	µg/L	10.0		88.3	70-130				
1,1,1,2-Tetrachloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	9.61	0.50	µg/L	10.0		96.1	70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
Tetrahydrofuran	8.87	10	µg/L	10.0		88.7	70-130			J	
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	7.68	5.0	µg/L	10.0		76.8	70-130			V-05	
1,2,4-Trichlorobenzene	7.22	1.0	µg/L	10.0		72.2	70-130			V-05	
1,3,5-Trichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130				
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Trichlorofluoromethane (Freon 11)	8.64	2.0	µg/L	10.0		86.4	70-130				
1,2,3-Trichloropropane	8.95	2.0	µg/L	10.0		89.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
LCS (B346728-BS1)				Prepared: 07/21/23 Analyzed: 07/22/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.17	1.0	µg/L	10.0		91.7	70-130				
1,2,4-Trimethylbenzene	8.87	1.0	µg/L	10.0		88.7	70-130				
1,3,5-Trimethylbenzene	9.29	1.0	µg/L	10.0		92.9	70-130				
Vinyl Chloride	9.60	2.0	µg/L	10.0		96.0	40-160				†
m+p Xylene	18.9	2.0	µg/L	20.0		94.3	70-130				
o-Xylene	8.82	1.0	µg/L	10.0		88.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: Toluene-d8	*25.7*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.6	70-130				
LCS Dup (B346728-BSD1)				Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	84.9	50	µg/L	100		84.9	70-160	3.18	25		†
Acrylonitrile	9.02	5.0	µg/L	10.0		90.2	70-130	9.16	25		
tert-Amyl Methyl Ether (TAME)	8.71	0.50	µg/L	10.0		87.1	70-130	2.56	25		
Benzene	10.5	1.0	µg/L	10.0		105	70-130	4.68	25		
Bromobenzene	9.55	1.0	µg/L	10.0		95.5	70-130	0.938	25		
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	1.38	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	1.67	25		
Bromoform	8.31	1.0	µg/L	10.0		83.1	70-130	2.56	25		
Bromomethane	11.8	2.0	µg/L	10.0		118	40-160	0.170	25		†
2-Butanone (MEK)	95.8	20	µg/L	100		95.8	40-160	4.35	25		†
tert-Butyl Alcohol (TBA)	70.5	20	µg/L	100		70.5	40-160	2.44	25	V-05	†
n-Butylbenzene	9.20	1.0	µg/L	10.0		92.0	70-130	1.31	25		
sec-Butylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130	3.03	25		
tert-Butylbenzene	8.80	1.0	µg/L	10.0		88.0	70-130	2.42	25		
tert-Butyl Ethyl Ether (TBEE)	9.07	0.50	µg/L	10.0		90.7	70-130	2.46	25		
Carbon Disulfide	91.0	5.0	µg/L	100		91.0	70-130	1.94	25		
Carbon Tetrachloride	7.94	5.0	µg/L	10.0		79.4	70-130	3.20	25	V-05	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.38	25		
Chlorodibromomethane	9.51	0.50	µg/L	10.0		95.1	70-130	0.420	25		
Chloroethane	8.93	2.0	µg/L	10.0		89.3	70-130	6.71	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	2.11	25		
Chloromethane	8.89	2.0	µg/L	10.0		88.9	40-160	1.47	25		†
2-Chlorotoluene	9.65	1.0	µg/L	10.0		96.5	70-130	5.21	25		
4-Chlorotoluene	9.29	1.0	µg/L	10.0		92.9	70-130	0.322	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.09	5.0	µg/L	10.0		80.9	70-130	4.16	25	V-05	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	0.00	25		
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130	0.496	25		
1,2-Dichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	0.605	25		
1,3-Dichlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130	0.610	25		
1,4-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	4.12	25		
trans-1,4-Dichloro-2-butene	7.44	2.0	µg/L	10.0		74.4	70-130	4.98	25	V-05	
Dichlorodifluoromethane (Freon 12)	8.46	2.0	µg/L	10.0		84.6	40-160	1.64	25		†
1,1-Dichloroethane	9.70	1.0	µg/L	10.0		97.0	70-130	3.35	25		
1,2-Dichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	1.44	25		
1,1-Dichloroethylene	8.97	1.0	µg/L	10.0		89.7	70-130	1.23	25		
cis-1,2-Dichloroethylene	9.63	1.0	µg/L	10.0		96.3	70-130	3.49	25		
trans-1,2-Dichloroethylene	9.14	1.0	µg/L	10.0		91.4	70-130	2.21	25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	8.62	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	0.988	25		
2,2-Dichloropropane	8.80	1.0	µg/L	10.0		88.0	40-130	2.36	25	V-05	†
1,1-Dichloropropene	9.79	2.0	µg/L	10.0		97.9	70-130	3.22	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346728 - SW-846 5030B											
LCS Dup (B346728-BSD1)				Prepared: 07/21/23 Analyzed: 07/22/23							
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	1.38	25		
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130	1.03	25		
Diethyl Ether	9.18	2.0	µg/L	10.0		91.8	70-130	1.76	25		
Diisopropyl Ether (DIPE)	9.63	0.50	µg/L	10.0		96.3	70-130	1.36	25		
1,4-Dioxane	74.8	50	µg/L	100		74.8	40-130	1.48	50	V-05	† ‡
Ethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130	1.97	25		
Hexachlorobutadiene	10.9	0.60	µg/L	10.0		109	70-130	1.39	25		
2-Hexanone (MBK)	88.5	10	µg/L	100		88.5	70-160	1.38	25		†
Isopropylbenzene (Cumene)	8.87	1.0	µg/L	10.0		88.7	70-130	1.25	25		
p-Isopropyltoluene (p-Cymene)	8.91	1.0	µg/L	10.0		89.1	70-130	0.112	25		
Methyl Acetate	8.43	1.0	µg/L	10.0		84.3	70-130	7.38	25		
Methyl tert-Butyl Ether (MTBE)	8.58	1.0	µg/L	10.0		85.8	70-130	2.72	25		
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130	2.76	25		
Methylene Chloride	9.08	5.0	µg/L	10.0		90.8	70-130	0.986	25		
4-Methyl-2-pentanone (MIBK)	88.7	10	µg/L	100		88.7	70-160	1.69	25		†
Naphthalene	5.90	2.0	µg/L	10.0		59.0	40-130	0.340	25	V-05	†
n-Propylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130	1.79	25		
Styrene	8.90	1.0	µg/L	10.0		89.0	70-130	0.790	25		
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.892	25		
1,1,2,2-Tetrachloroethane	9.63	0.50	µg/L	10.0		96.3	70-130	0.208	25		
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	0.670	25		
Tetrahydrofuran	9.02	10	µg/L	10.0		90.2	70-130	1.68	25	J	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	0.677	25		
1,2,3-Trichlorobenzene	7.98	5.0	µg/L	10.0		79.8	70-130	3.83	25	V-05	
1,2,4-Trichlorobenzene	7.47	1.0	µg/L	10.0		74.7	70-130	3.40	25	V-05	
1,3,5-Trichlorobenzene	9.32	1.0	µg/L	10.0		93.2	70-130	1.60	25		
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.598	25		
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.35	25		
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.497	25		
Trichlorofluoromethane (Freon 11)	8.98	2.0	µg/L	10.0		89.8	70-130	3.86	25		
1,2,3-Trichloropropane	9.12	2.0	µg/L	10.0		91.2	70-130	1.88	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34	1.0	µg/L	10.0		93.4	70-130	1.84	25		
1,2,4-Trimethylbenzene	8.95	1.0	µg/L	10.0		89.5	70-130	0.898	25		
1,3,5-Trimethylbenzene	9.27	1.0	µg/L	10.0		92.7	70-130	0.216	25		
Vinyl Chloride	9.55	2.0	µg/L	10.0		95.5	40-160	0.522	25		†
m+p Xylene	18.4	2.0	µg/L	20.0		92.0	70-130	2.52	25		
o-Xylene	8.88	1.0	µg/L	10.0		88.8	70-130	0.678	25		
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.7	70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.8	70-130				
Batch B346810 - SW-846 5030B											
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	ND	50	µg/L								
Acrylonitrile	ND	5.0	µg/L								
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L								
Benzene	ND	1.0	µg/L								
Bromobenzene	ND	1.0	µg/L								
Bromochloromethane	ND	1.0	µg/L								
Bromodichloromethane	ND	0.50	µg/L								
Bromoform	ND	1.0	µg/L								

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B										
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23						
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
Blank (B346810-BLK1)				Prepared: 07/24/23 Analyzed: 07/25/23							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.7	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*21.0*		µg/L	25.0		83.8	70-130				
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	87.0	50	µg/L	100		87.0	70-160				†
Acrylonitrile	10.1	5.0	µg/L	10.0		101	70-130				
tert-Amyl Methyl Ether (TAME)	9.25	0.50	µg/L	10.0		92.5	70-130				
Benzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromobenzene	9.95	1.0	µg/L	10.0		99.5	70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130				
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130				
Bromoform	8.08	1.0	µg/L	10.0		80.8	70-130				
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160				†
2-Butanone (MEK)	98.7	20	µg/L	100		98.7	40-160				†
tert-Butyl Alcohol (TBA)	71.1	20	µg/L	100		71.1	40-160			V-05	†
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130				
tert-Butylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.39	0.50	µg/L	10.0		93.9	70-130				
Carbon Disulfide	98.5	5.0	µg/L	100		98.5	70-130				
Carbon Tetrachloride	7.66	5.0	µg/L	10.0		76.6	70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Chlorodibromomethane	9.37	0.50	µg/L	10.0		93.7	70-130				
Chloroethane	9.45	2.0	µg/L	10.0		94.5	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160				†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130				
4-Chlorotoluene	9.78	1.0	µg/L	10.0		97.8	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.77	5.0	µg/L	10.0		77.7	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
trans-1,4-Dichloro-2-butene	7.79	2.0	µg/L	10.0		77.9	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160				†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130				
1,1-Dichloroethylene	9.41	1.0	µg/L	10.0		94.1	70-130				
cis-1,2-Dichloroethylene	9.66	1.0	µg/L	10.0		96.6	70-130				
trans-1,2-Dichloroethylene	9.32	1.0	µg/L	10.0		93.2	70-130				
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130				
2,2-Dichloropropane	8.99	1.0	µg/L	10.0		89.9	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130				
trans-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5	70-130				
Diethyl Ether	9.67	2.0	µg/L	10.0		96.7	70-130				
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130				
1,4-Dioxane	79.2	50	µg/L	100		79.2	40-130				†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130				
2-Hexanone (MBK)	91.0	10	µg/L	100		91.0	70-160				†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130				
p-Isopropyltoluene (p-Cymene)	9.90	1.0	µg/L	10.0		99.0	70-130				
Methyl Acetate	8.42	1.0	µg/L	10.0		84.2	70-130				
Methyl tert-Butyl Ether (MTBE)	8.90	1.0	µg/L	10.0		89.0	70-130				
Methyl Cyclohexane	11.5	1.0	µg/L	10.0		115	70-130				
Methylene Chloride	9.68	5.0	µg/L	10.0		96.8	70-130				
4-Methyl-2-pentanone (MIBK)	92.1	10	µg/L	100		92.1	70-160				†
Naphthalene	6.71	2.0	µg/L	10.0		67.1	40-130			V-05	†
n-Propylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130				
Styrene	9.23	1.0	µg/L	10.0		92.3	70-130				
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	9.81	0.50	µg/L	10.0		98.1	70-130				
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Tetrahydrofuran	9.81	10	µg/L	10.0		98.1	70-130			J	
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.34	5.0	µg/L	10.0		83.4	70-130				
1,2,4-Trichlorobenzene	7.64	1.0	µg/L	10.0		76.4	70-130			V-05	
1,3,5-Trichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130				
1,1,1-Trichloroethane	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.57	2.0	µg/L	10.0		95.7	70-130				
1,2,3-Trichloropropane	9.50	2.0	µg/L	10.0		95.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130				
1,2,4-Trimethylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
1,3,5-Trimethylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130				
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160			V-06	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130				
o-Xylene	9.31	1.0	µg/L	10.0		93.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		91.9	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS (B346810-BS1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.0	70-130				
LCS Dup (B346810-BSD1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	86.8	50	µg/L	100		86.8	70-160	0.230	25		†
Acrylonitrile	8.78	5.0	µg/L	10.0		87.8	70-130	14.0	25		
tert-Amyl Methyl Ether (TAME)	9.35	0.50	µg/L	10.0		93.5	70-130	1.08	25		
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.824	25		
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.10	25		
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	1.79	25		
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	1.87	25		
Bromoform	8.32	1.0	µg/L	10.0		83.2	70-130	2.93	25		
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160	7.34	25		†
2-Butanone (MEK)	96.5	20	µg/L	100		96.5	40-160	2.26	25		†
tert-Butyl Alcohol (TBA)	71.6	20	µg/L	100		71.6	40-160	0.659	25	V-05	†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.11	25		
sec-Butylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130	2.76	25		
tert-Butylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130	4.84	25		
tert-Butyl Ethyl Ether (TBEE)	9.41	0.50	µg/L	10.0		94.1	70-130	0.213	25		
Carbon Disulfide	85.1	5.0	µg/L	100		85.1	70-130	14.6	25		
Carbon Tetrachloride	7.48	5.0	µg/L	10.0		74.8	70-130	2.38	25		
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.12	25		
Chlorodibromomethane	9.62	0.50	µg/L	10.0		96.2	70-130	2.63	25		
Chloroethane	9.17	2.0	µg/L	10.0		91.7	70-130	3.01	25		
Chloroform	9.99	2.0	µg/L	10.0		99.9	70-130	3.06	25		
Chloromethane	9.99	2.0	µg/L	10.0		99.9	40-160	2.86	25		†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	2.46	25		
4-Chlorotoluene	9.53	1.0	µg/L	10.0		95.3	70-130	2.59	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.0		85.1	70-130	9.09	25		
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	2.03	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130	2.30	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.865	25		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.24	25		
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	9.59	25		
trans-1,4-Dichloro-2-butene	7.41	2.0	µg/L	10.0		74.1	70-130	5.00	25	V-05	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	7.18	25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.298	25		
1,2-Dichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130	1.99	25		
1,1-Dichloroethylene	9.13	1.0	µg/L	10.0		91.3	70-130	3.02	25		
cis-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.35	25		
trans-1,2-Dichloroethylene	9.17	1.0	µg/L	10.0		91.7	70-130	1.62	25		
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130	2.80	25		
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	2.31	25		
2,2-Dichloropropane	9.09	1.0	µg/L	10.0		90.9	40-130	1.11	25		†
1,1-Dichloropropene	9.91	2.0	µg/L	10.0		99.1	70-130	4.25	25		
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	0.289	25		
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.10	25		
Diethyl Ether	9.42	2.0	µg/L	10.0		94.2	70-130	2.62	25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	1.28	25		
1,4-Dioxane	81.7	50	µg/L	100		81.7	40-130	3.03	50		† ‡
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.884	25		
Hexachlorobutadiene	11.6	0.60	µg/L	10.0		116	70-130	2.26	25		
2-Hexanone (MBK)	90.8	10	µg/L	100		90.8	70-160	0.253	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346810 - SW-846 5030B											
LCS Dup (B346810-BSD1)				Prepared: 07/24/23 Analyzed: 07/25/23							
Isopropylbenzene (Cumene)	9.45	1.0	µg/L	10.0		94.5	70-130	0.637	25		
p-Isopropyltoluene (p-Cymene)	9.38	1.0	µg/L	10.0		93.8	70-130	5.39	25		
Methyl Acetate	8.09	1.0	µg/L	10.0		80.9	70-130	4.00	25		
Methyl tert-Butyl Ether (MTBE)	8.97	1.0	µg/L	10.0		89.7	70-130	0.783	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	6.18	25		
Methylene Chloride	9.34	5.0	µg/L	10.0		93.4	70-130	3.58	25		
4-Methyl-2-pentanone (MIBK)	92.4	10	µg/L	100		92.4	70-160	0.293	25		†
Naphthalene	6.59	2.0	µg/L	10.0		65.9	40-130	1.80	25	V-05	†
n-Propylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130	2.53	25		
Styrene	9.47	1.0	µg/L	10.0		94.7	70-130	2.57	25		
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.24	25		
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	2.62	25		
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.30	25		
Tetrahydrofuran	9.27	10	µg/L	10.0		92.7	70-130	5.66	25	J	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.935	25		
1,2,3-Trichlorobenzene	8.12	5.0	µg/L	10.0		81.2	70-130	2.67	25		
1,2,4-Trichlorobenzene	7.85	1.0	µg/L	10.0		78.5	70-130	2.71	25	V-05	
1,3,5-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.20	25		
1,1,1-Trichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	1.44	25		
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.03	25		
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.379	25		
Trichlorofluoromethane (Freon 11)	9.29	2.0	µg/L	10.0		92.9	70-130	2.97	25		
1,2,3-Trichloropropane	9.58	2.0	µg/L	10.0		95.8	70-130	0.839	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.83	1.0	µg/L	10.0		98.3	70-130	2.91	25		
1,2,4-Trimethylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130	3.30	25		
1,3,5-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	0.103	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	5.75	25	V-06	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.0	70-130	1.10	25		
o-Xylene	9.47	1.0	µg/L	10.0		94.7	70-130	1.70	25		
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.9	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.2	70-130				
Matrix Spike (B346810-MS1)		**Source: 23G2118-01**		Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	75.5	50	µg/L	100	3.29	72.2	70-130				
Acrylonitrile	7.86	5.0	µg/L	10.0	ND	78.6	70-130				
tert-Amyl Methyl Ether (TAME)	7.72	0.50	µg/L	10.0	ND	77.2	70-130				
Benzene	10.4	1.0	µg/L	10.0	0.950	94.8	70-130				
Bromobenzene	7.12	1.0	µg/L	10.0	ND	71.2	70-130				
Bromochloromethane	10.2	1.0	µg/L	10.0	ND	102	70-130				
Bromodichloromethane	8.78	0.50	µg/L	10.0	ND	87.8	70-130				
Bromoform	6.52	1.0	µg/L	10.0	ND	**65.2**	* 70-130			MS-07A	
Bromomethane	10.6	2.0	µg/L	10.0	ND	106	70-130				
2-Butanone (MEK)	82.8	20	µg/L	100	ND	82.8	70-130				
tert-Butyl Alcohol (TBA)	59.6	20	µg/L	100	ND	**59.6**	* 70-130			MS-09	
n-Butylbenzene	6.50	1.0	µg/L	10.0	ND	**65.0**	* 70-130			MS-07A	
sec-Butylbenzene	7.41	1.0	µg/L	10.0	ND	74.1	70-130				
tert-Butylbenzene	7.28	1.0	µg/L	10.0	ND	72.8	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.36	0.50	µg/L	10.0	ND	83.6	70-130				
Carbon Disulfide	86.0	5.0	µg/L	100	ND	86.0	70-130				
Carbon Tetrachloride	8.18	5.0	µg/L	10.0	ND	81.8	70-130				
Chlorobenzene	7.98	1.0	µg/L	10.0	ND	79.8	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B											
Matrix Spike (B346810-MS1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
Chlorodibromomethane	7.87	0.50	µg/L	10.0	ND	78.7		70-130			
Chloroethane	9.11	2.0	µg/L	10.0	ND	91.1		70-130			
Chloroform	9.29	2.0	µg/L	10.0	ND	92.9		70-130			
Chloromethane	11.6	2.0	µg/L	10.0	ND	116		70-130			
2-Chlorotoluene	7.05	1.0	µg/L	10.0	ND	70.5		70-130			
4-Chlorotoluene	6.57	1.0	µg/L	10.0	ND	**65.7**	*	70-130			MS-07A
1,2-Dibromo-3-chloropropane (DBCP)	6.32	5.0	µg/L	10.0	ND	**63.2**	*	70-130			MS-07A
1,2-Dibromoethane (EDB)	8.31	0.50	µg/L	10.0	ND	83.1		70-130			
Dibromomethane	8.82	1.0	µg/L	10.0	ND	88.2		70-130			
1,2-Dichlorobenzene	7.23	1.0	µg/L	10.0	ND	72.3		70-130			
1,3-Dichlorobenzene	7.20	1.0	µg/L	10.0	ND	72.0		70-130			
1,4-Dichlorobenzene	7.09	1.0	µg/L	10.0	ND	70.9		70-130			
trans-1,4-Dichloro-2-butene	4.71	2.0	µg/L	10.0	ND	**47.1**	*	70-130			MS-09
Dichlorodifluoromethane (Freon 12)	9.29	2.0	µg/L	10.0	ND	92.9		70-130			
1,1-Dichloroethane	9.30	1.0	µg/L	10.0	ND	93.0		70-130			
1,2-Dichloroethane	8.50	1.0	µg/L	10.0	ND	85.0		70-130			
1,1-Dichloroethylene	8.71	1.0	µg/L	10.0	ND	87.1		70-130			
cis-1,2-Dichloroethylene	8.81	1.0	µg/L	10.0	ND	88.1		70-130			
trans-1,2-Dichloroethylene	8.36	1.0	µg/L	10.0	ND	83.6		70-130			
1,2-Dichloropropane	9.18	1.0	µg/L	10.0	ND	91.8		70-130			
1,3-Dichloropropane	8.28	0.50	µg/L	10.0	ND	82.8		70-130			
2,2-Dichloropropane	7.58	1.0	µg/L	10.0	ND	75.8		70-130			
1,1-Dichloropropene	8.59	2.0	µg/L	10.0	ND	85.9		70-130			
cis-1,3-Dichloropropene	7.90	0.50	µg/L	10.0	ND	79.0		70-130			
trans-1,3-Dichloropropene	7.43	0.50	µg/L	10.0	ND	74.3		70-130			
Diethyl Ether	8.86	2.0	µg/L	10.0	ND	88.6		70-130			
Diisopropyl Ether (DIPE)	8.99	0.50	µg/L	10.0	ND	89.9		70-130			
1,4-Dioxane	69.2	50	µg/L	100	ND	**69.2**	*	70-130			MS-24
Ethylbenzene	7.71	1.0	µg/L	10.0	ND	77.1		70-130			
Hexachlorobutadiene	7.81	0.60	µg/L	10.0	ND	78.1		70-130			
2-Hexanone (MBK)	62.4	10	µg/L	100	ND	**62.4**	*	70-130			MS-07A
Isopropylbenzene (Cumene)	7.00	1.0	µg/L	10.0	ND	70.0		70-130			
p-Isopropyltoluene (p-Cymene)	7.04	1.0	µg/L	10.0	ND	70.4		70-130			
Methyl Acetate	6.43	1.0	µg/L	10.0	ND	**64.3**	*	70-130			MS-07A
Methyl tert-Butyl Ether (MTBE)	7.92	1.0	µg/L	10.0	ND	79.2		70-130			
Methyl Cyclohexane	9.24	1.0	µg/L	10.0	ND	92.4		70-130			
Methylene Chloride	11.8	5.0	µg/L	10.0	2.96	88.5		70-130			
4-Methyl-2-pentanone (MIBK)	71.8	10	µg/L	100	ND	71.8		70-130			
Naphthalene	3.24	2.0	µg/L	10.0	ND	**32.4**	*	70-130			MS-09
n-Propylbenzene	6.77	1.0	µg/L	10.0	ND	**67.7**	*	70-130			MS-07A
Styrene	6.14	1.0	µg/L	10.0	ND	**61.4**	*	70-130			MS-07A
1,1,1,2-Tetrachloroethane	8.83	1.0	µg/L	10.0	ND	88.3		70-130			
1,1,2,2-Tetrachloroethane	8.35	0.50	µg/L	10.0	ND	83.5		70-130			
Tetrachloroethylene	9.56	1.0	µg/L	10.0	0.430	91.3		70-130			
Tetrahydrofuran	8.70	10	µg/L	10.0	ND	87.0		70-130			J
Toluene	8.70	1.0	µg/L	10.0	ND	87.0		70-130			
1,2,3-Trichlorobenzene	4.69	5.0	µg/L	10.0	ND	**46.9**	*	70-130			MS-07A, J
1,2,4-Trichlorobenzene	4.45	1.0	µg/L	10.0	ND	**44.5**	*	70-130			MS-09
1,3,5-Trichlorobenzene	6.60	1.0	µg/L	10.0	ND	**66.0**	*	70-130			MS-07A
1,1,1-Trichloroethane	9.05	1.0	µg/L	10.0	ND	90.5		70-130			
1,1,2-Trichloroethane	9.01	1.0	µg/L	10.0	ND	90.1		70-130			
Trichloroethylene	8.50	1.0	µg/L	10.0	ND	85.0		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B											
Matrix Spike (B346810-MS1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
Trichlorofluoromethane (Freon 11)	9.01	2.0	µg/L	10.0	ND	90.1		70-130			
1,2,3-Trichloropropane	8.34	2.0	µg/L	10.0	ND	83.4		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52	1.0	µg/L	10.0	ND	95.2		70-130			
1,2,4-Trimethylbenzene	7.80	1.0	µg/L	10.0	ND	78.0		70-130			
1,3,5-Trimethylbenzene	7.52	1.0	µg/L	10.0	ND	75.2		70-130			
Vinyl Chloride	10.7	2.0	µg/L	10.0	ND	107		70-130			
m+p Xylene	14.6	2.0	µg/L	20.0	ND	72.9		70-130			
o-Xylene	7.06	1.0	µg/L	10.0	ND	70.6		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.8		70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*22.3*		µg/L	25.0		89.4		70-130			
Matrix Spike Dup (B346810-MSD1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
Acetone	76.4	50	µg/L	100	3.29	73.2		70-130	1.24	30	
Acrylonitrile	8.31	5.0	µg/L	10.0	ND	83.1		70-130	5.57	30	
tert-Amyl Methyl Ether (TAME)	7.77	0.50	µg/L	10.0	ND	77.7		70-130	0.646	30	
Benzene	10.7	1.0	µg/L	10.0	0.950	97.3		70-130	2.37	30	
Bromobenzene	7.09	1.0	µg/L	10.0	ND	70.9		70-130	0.422	30	
Bromochloromethane	10.1	1.0	µg/L	10.0	ND	101		70-130	0.591	30	
Bromodichloromethane	8.93	0.50	µg/L	10.0	ND	89.3		70-130	1.69	30	
Bromoform	6.34	1.0	µg/L	10.0	ND	**63.4**	*	70-130	2.80	30	MS-07A
Bromomethane	11.4	2.0	µg/L	10.0	ND	114		70-130	8.01	30	
2-Butanone (MEK)	83.2	20	µg/L	100	ND	83.2		70-130	0.518	30	
tert-Butyl Alcohol (TBA)	61.7	20	µg/L	100	ND	**61.7**	*	70-130	3.55	30	MS-09
n-Butylbenzene	6.70	1.0	µg/L	10.0	ND	**67.0**	*	70-130	3.03	30	MS-07A
sec-Butylbenzene	7.58	1.0	µg/L	10.0	ND	75.8		70-130	2.27	30	
tert-Butylbenzene	7.30	1.0	µg/L	10.0	ND	73.0		70-130	0.274	30	
tert-Butyl Ethyl Ether (TBEE)	8.43	0.50	µg/L	10.0	ND	84.3		70-130	0.834	30	
Carbon Disulfide	84.2	5.0	µg/L	100	ND	84.2		70-130	2.17	30	
Carbon Tetrachloride	7.72	5.0	µg/L	10.0	ND	77.2		70-130	5.79	30	
Chlorobenzene	8.02	1.0	µg/L	10.0	ND	80.2		70-130	0.500	30	
Chlorodibromomethane	7.94	0.50	µg/L	10.0	ND	79.4		70-130	0.886	30	
Chloroethane	9.20	2.0	µg/L	10.0	ND	92.0		70-130	0.983	30	
Chloroform	9.33	2.0	µg/L	10.0	ND	93.3		70-130	0.430	30	
Chloromethane	11.8	2.0	µg/L	10.0	ND	118		70-130	1.62	30	
2-Chlorotoluene	7.13	1.0	µg/L	10.0	ND	71.3		70-130	1.13	30	
4-Chlorotoluene	6.52	1.0	µg/L	10.0	ND	**65.2**	*	70-130	0.764	30	MS-07A
1,2-Dibromo-3-chloropropane (DBCP)	6.09	5.0	µg/L	10.0	ND	**60.9**	*	70-130	3.71	30	MS-07A
1,2-Dibromoethane (EDB)	8.46	0.50	µg/L	10.0	ND	84.6		70-130	1.79	30	
Dibromomethane	8.77	1.0	µg/L	10.0	ND	87.7		70-130	0.568	30	
1,2-Dichlorobenzene	6.86	1.0	µg/L	10.0	ND	**68.6**	*	70-130	5.25	30	MS-24
1,3-Dichlorobenzene	7.18	1.0	µg/L	10.0	ND	71.8		70-130	0.278	30	
1,4-Dichlorobenzene	6.77	1.0	µg/L	10.0	ND	**67.7**	*	70-130	4.62	30	MS-24
trans-1,4-Dichloro-2-butene	4.99	2.0	µg/L	10.0	ND	**49.9**	*	70-130	5.77	30	MS-09
Dichlorodifluoromethane (Freon 12)	9.42	2.0	µg/L	10.0	ND	94.2		70-130	1.39	30	
1,1-Dichloroethane	9.40	1.0	µg/L	10.0	ND	94.0		70-130	1.07	30	
1,2-Dichloroethane	8.59	1.0	µg/L	10.0	ND	85.9		70-130	1.05	30	
1,1-Dichloroethylene	8.51	1.0	µg/L	10.0	ND	85.1		70-130	2.32	30	
cis-1,2-Dichloroethylene	8.39	1.0	µg/L	10.0	ND	83.9		70-130	4.88	30	
trans-1,2-Dichloroethylene	8.05	1.0	µg/L	10.0	ND	80.5		70-130	3.78	30	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0	ND	100		70-130	8.85	30	
1,3-Dichloropropane	8.50	0.50	µg/L	10.0	ND	85.0		70-130	2.62	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346810 - SW-846 5030B											
Matrix Spike Dup (B346810-MSD1)	**Source: 23G2118-01**			Prepared: 07/24/23 Analyzed: 07/25/23							
2,2-Dichloropropane	7.54	1.0	µg/L	10.0	ND	75.4		70-130	0.529	30	
1,1-Dichloropropene	8.61	2.0	µg/L	10.0	ND	86.1		70-130	0.233	30	
cis-1,3-Dichloropropene	7.80	0.50	µg/L	10.0	ND	78.0		70-130	1.27	30	
trans-1,3-Dichloropropene	7.60	0.50	µg/L	10.0	ND	76.0		70-130	2.26	30	
Diethyl Ether	8.41	2.0	µg/L	10.0	ND	84.1		70-130	5.21	30	
Diisopropyl Ether (DIPE)	9.20	0.50	µg/L	10.0	ND	92.0		70-130	2.31	30	
1,4-Dioxane	72.4	50	µg/L	100	ND	72.4		70-130	4.65	30	
Ethylbenzene	7.59	1.0	µg/L	10.0	ND	75.9		70-130	1.57	30	
Hexachlorobutadiene	8.14	0.60	µg/L	10.0	ND	81.4		70-130	4.14	30	
2-Hexanone (MBK)	63.8	10	µg/L	100	ND	**63.8**	*	70-130	2.19	30	MS-07A
Isopropylbenzene (Cumene)	7.20	1.0	µg/L	10.0	ND	72.0		70-130	2.82	30	
p-Isopropyltoluene (p-Cymene)	7.14	1.0	µg/L	10.0	ND	71.4		70-130	1.41	30	
Methyl Acetate	6.78	1.0	µg/L	10.0	ND	**67.8**	*	70-130	5.30	30	MS-07A
Methyl tert-Butyl Ether (MTBE)	8.10	1.0	µg/L	10.0	ND	81.0		70-130	2.25	30	
Methyl Cyclohexane	9.26	1.0	µg/L	10.0	ND	92.6		70-130	0.216	30	
Methylene Chloride	8.84	5.0	µg/L	10.0	2.96	**58.8**	*	70-130	28.8	30	MS-24
4-Methyl-2-pentanone (MIBK)	73.4	10	µg/L	100	ND	73.4		70-130	2.18	30	
Naphthalene	3.49	2.0	µg/L	10.0	ND	**34.9**	*	70-130	7.43	30	MS-09
n-Propylbenzene	6.82	1.0	µg/L	10.0	ND	**68.2**	*	70-130	0.736	30	MS-07A
Styrene	6.33	1.0	µg/L	10.0	ND	**63.3**	*	70-130	3.05	30	MS-07A
1,1,1,2-Tetrachloroethane	8.75	1.0	µg/L	10.0	ND	87.5		70-130	0.910	30	
1,1,2,2-Tetrachloroethane	8.16	0.50	µg/L	10.0	ND	81.6		70-130	2.30	30	
Tetrachloroethylene	9.45	1.0	µg/L	10.0	0.430	90.2		70-130	1.16	30	
Tetrahydrofuran	8.37	10	µg/L	10.0	ND	83.7		70-130	3.87	30	J
Toluene	8.83	1.0	µg/L	10.0	ND	88.3		70-130	1.48	30	
1,2,3-Trichlorobenzene	5.14	5.0	µg/L	10.0	ND	**51.4**	*	70-130	9.16	30	MS-07A
1,2,4-Trichlorobenzene	4.50	1.0	µg/L	10.0	ND	**45.0**	*	70-130	1.12	30	MS-09
1,3,5-Trichlorobenzene	6.31	1.0	µg/L	10.0	ND	**63.1**	*	70-130	4.49	30	MS-07A
1,1,1-Trichloroethane	9.14	1.0	µg/L	10.0	ND	91.4		70-130	0.990	30	
1,1,2-Trichloroethane	9.00	1.0	µg/L	10.0	ND	90.0		70-130	0.111	30	
Trichloroethylene	8.67	1.0	µg/L	10.0	ND	86.7		70-130	1.98	30	
Trichlorofluoromethane (Freon 11)	8.77	2.0	µg/L	10.0	ND	87.7		70-130	2.70	30	
1,2,3-Trichloropropane	8.32	2.0	µg/L	10.0	ND	83.2		70-130	0.240	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.43	1.0	µg/L	10.0	ND	94.3		70-130	0.950	30	
1,2,4-Trimethylbenzene	7.41	1.0	µg/L	10.0	ND	74.1		70-130	5.13	30	
1,3,5-Trimethylbenzene	7.44	1.0	µg/L	10.0	ND	74.4		70-130	1.07	30	
Vinyl Chloride	10.5	2.0	µg/L	10.0	ND	105		70-130	2.08	30	
m+p Xylene	14.6	2.0	µg/L	20.0	ND	72.8		70-130	0.0686	20	
o-Xylene	7.16	1.0	µg/L	10.0	ND	71.6		70-130	1.41	30	
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.6		70-130			
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*22.8*		µg/L	25.0		91.2		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Original run within hold with failing MS/MSD. Sample rerun past hold with MS/MSD.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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Minneapolis, MN 55414

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2362118

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	EA Engineering
Address:	269 W. Jefferson St., Syracuse NY 13202
Phone:	(478) 390-2213
Project Name:	South Shore Outdoor - Off-Site
Project Location:	Bay Shore, NY
Project Number:	1602533
Project Manager:	Kritika Thapa
Pace Analytical Quote Name/Number	CallOut ID 147379
Invoice Recipient:	northeastap@eaest.com
Sampled By:	Jeremy Fontaine

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	# of Containers
1	CLAR-DPT-1-35	7/10/23	1515		✓	GW	U	6	
2	CLAR-DPT-1-45	7/10/23	1555		✓	GW	U	2	
3	CLAR-DPT-1-55	7/10/23	1637		✓	GW	U	2	
4	DPT-DUP-1	7/10/23	—		✓	GW	U	2	
5	DPT-FB-1-10072023	7/10/23	1655		✓	W	C	2	
6	DPT-EQB-1-10072023	7/10/23	1700		✓	W	C	2	
7	CLAR-DPT-2-35	7/11/23	0850		✓	GW	U	2	
8	CLAR-DPT-2-45	7/11/23	0923		✓	GW	U	2	
9	CLAR-DPT-2-55	7/11/23	1020		✓	GW	U	2	
10	SAVE-DPT-3-40	7/11/23	1245		✓	GW	U	2	

24 H V

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = Water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)
KKS

Comments: Use CLAR-DPT-1-35 for MS/MSD.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Jeremy Fontaine	7/14/23 1230
Received by: (signature) 6.8°C (4)	7/14/23 12:30
Relinquished by: (signature) MS MA (AN)	7/14 1846
Received by: (signature) MS MA (AN)	7/14 2130
Relinquished by: (signature)	7/14 2100
Received by: (signature)	7/15 0040

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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23G 2118

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

See pg. 1

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: KHaga@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	20	H	V	# of Containers	[2] Preservation Code	[3] Container Code
11	SAVE-DPT-3-50	7/11/23	1335		✓	GW	U	2						
12	SAVE-DPT-2-35	7/11/23	1630		✓	GW	U	2						
13	SAVE-DPT-2-45	7/11/23	1705		✓	GW	U	2						
14	DPT-FB-2-11072023	7/11/23	1745		✓	W	C	2						
15	DPT-EQB-2-11072023	7/11/23	1750		✓	W	C	2						
16	ABI-DPT-1-35	7/12/23	1040		✓	GW	U	2						
17	ABI-DPT-1-45	7/12/23	1105		✓	GW	U	2						
18	DPT-FB-3-12072023	7/12/23	1130		✓	W	C	2						
19	ABI-DPT-2-35	7/12/23	1235		✓	GW	U	2						
20	ABI-DPT-2-45	7/12/23	1315		✓	GW	U	2						

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Lenny Morton	7/14/23 1230
Received by: (signature)	Date/Time: 7/14/23 12:30
Relinquished by: (signature) MSMA(AN)	Date/Time: 7/14 1816
Received by: (signature) MSMA(AN)	Date/Time: 7/14 2130
Relinquished by: (signature)	Date/Time: 7/14 2100
Received by: (signature)	Date/Time: 7/15 0040
	7/15 0330

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

AAL 7/15/23 0710

7-15-23 0930

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA engineering

Project ~~ss~~ Outdoor

MCP/RCP Required No

Deliverable Package Requirement No

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐ _____

Received By / Date / Time AMM 7/15/23 930

Back-Sheet By / Date / Time EL 7/15/23 2148

Temperature Method gun # 5

Temp < 6° C Actual Temperature 20

Rush Samples: Yes / (No) Notify _____

Short Hold: Yes / (No) Notify _____

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☑	☐
Received in Cooler	☐	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☒ 2
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Quaitrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics												VOA Vials						Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter			250mL		100mL	1 Liter			500mL		250mL																		
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact						
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July 26, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2119

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 7/26/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2119

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BEL-DPT-2-35	23G2119-01	Ground Water		SW-846 8260D	
BEL-DPT-2-45	23G2119-02	Ground Water		SW-846 8260D	
BEL-DPT-1-35	23G2119-03	Ground Water		SW-846 8260D	
BEL-DPT-1-45	23G2119-04	Ground Water		SW-846 8260D	
BEL-DPT-2-55	23G2119-05	Ground Water		SW-846 8260D	
BEL-DPT-1-55	23G2119-06	Ground Water		SW-846 8260D	
5AVE-DPT-1-40	23G2119-07	Ground Water		SW-846 8260D	
5AVE-DPT-1-50	23G2119-08	Ground Water		SW-846 8260D	
DPT-FB-4-13072023	23G2119-09	Field Blank		SW-846 8260D	
DPT-EQB-3-13072023	23G2119-10	Equipment Blank Water		SW-846 8260D	
DPT-DUP-2	23G2119-11	Ground Water		SW-846 8260D	
CW-01-130723	23G2119-12	Ground Water		SW-846 8260D	
MW-DUP-1-13072023	23G2119-13	Ground Water		SW-846 8260D	
FN-19-13072023	23G2119-14	Ground Water		SW-846 8260D	
VOC TRIP BLANK	23G2119-15	Trip Blank Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260D

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

Methyl Acetate
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

Naphthalene
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

tert-Butyl Alcohol (TBA)
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

trans-1,4-Dichloro-2-butene
23G2119-07[5AVE-DPT-1-40], 23G2119-14[FN-19-13072023], B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2

MS-19

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

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane
23G2119-07[5AVE-DPT-1-40], B346727-MS1, B346727-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B346727-MS1

1,4-Dioxane
B346727-MS2

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

Carbon Tetrachloride
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

Naphthalene
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

tert-Butyl Alcohol (TBA)
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

trans-1,4-Dichloro-2-butene
23G2119-01[BEL-DPT-2-35], 23G2119-02[BEL-DPT-2-45], 23G2119-03[BEL-DPT-1-35], 23G2119-04[BEL-DPT-1-45], 23G2119-05[BEL-DPT-2-55], 23G2119-06[BEL-DPT-1-55], 23G2119-07[5AVE-DPT-1-40], 23G2119-08[5AVE-DPT-1-50], 23G2119-09[DPT-FB-4-13072023], 23G2119-10[DPT-EQB-3-13072023], 23G2119-11[DPT-DUP-2], 23G2119-12[CW-01-130723], 23G2119-13[MW-DUP-1-13072023], 23G2119-14[FN-19-13072023], 23G2119-15[VOC TRIP BLANK], B346727-BLK1, B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

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V-20

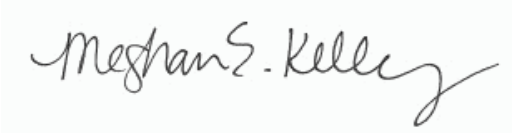
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B346727-BS1, B346727-BSD1, B346727-MS1, B346727-MS2, B346727-MSD1, B346727-MSD2, S090941-CCV1

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



Meghan E. Kelley
Reporting Specialist

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-35 | Sampled: 7/13/2023 08:38

Sample ID: 23G2119-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.7	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Benzene	0.25	1.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-35 | Sampled: 7/13/2023 08:38

Sample ID: 23G2119-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Ethylbenzene	7.2	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Isopropylbenzene (Cumene)	0.23	1.0	0.15	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Methylene Chloride	0.20	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
n-Propylbenzene	0.54	1.0	0.12	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Tetrachloroethylene	1.0	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Toluene	16	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,2,4-Trimethylbenzene	0.25	1.0	0.20	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:33	EEH
m+p Xylene	0.86	2.0	0.49	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH
o-Xylene	0.59	1.0	0.24	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		7/21/23 18:33
Toluene-d8	98.3	70-130		7/21/23 18:33
4-Bromofluorobenzene	84.2	70-130		7/21/23 18:33

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-45 | Sampled: 7/13/2023 09:15

Sample ID: 23G2119-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-45 | Sampled: 7/13/2023 09:15

Sample ID: 23G2119-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Ethylbenzene	0.53	1.0	0.22	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Toluene	1.1	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 18:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/21/23 18:59
Toluene-d8	97.6	70-130		7/21/23 18:59
4-Bromofluorobenzene	81.7	70-130		7/21/23 18:59

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-35 | Sampled: 7/13/2023 11:20

Sample ID: 23G2119-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-35 | Sampled: 7/13/2023 11:20

Sample ID: 23G2119-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:26	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/21/23 19:26
Toluene-d8	97.5	70-130		7/21/23 19:26
4-Bromofluorobenzene	83.2	70-130		7/21/23 19:26

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-45 | Sampled: 7/13/2023 11:50

Sample ID: 23G2119-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
tert-Butyl Ethyl Ether (TBEE)	0.90	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1-Dichloroethane	1.4	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-45 | Sampled: 7/13/2023 11:50

Sample ID: 23G2119-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methyl tert-Butyl Ether (MTBE)	0.26	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Trichloroethylene	0.78	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 19:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 19:52
Toluene-d8	98.8	70-130		7/21/23 19:52
4-Bromofluorobenzene	83.0	70-130		7/21/23 19:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-55 | Sampled: 7/13/2023 10:00

Sample ID: 23G2119-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-2-55 | Sampled: 7/13/2023 10:00

Sample ID: 23G2119-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Ethylbenzene	0.41	1.0	0.22	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Toluene	0.71	1.0	0.22	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		7/21/23 20:19
Toluene-d8	97.2	70-130		7/21/23 20:19
4-Bromofluorobenzene	84.4	70-130		7/21/23 20:19

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-55 | Sampled: 7/13/2023 12:30

Sample ID: 23G2119-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.5	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1-Dichloroethane	1.5	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: BEL-DPT-1-55 | Sampled: 7/13/2023 12:30

Sample ID: 23G2119-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,1-Trichloroethane	1.5	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Trichloroethylene	0.90	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 20:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 20:45
Toluene-d8	98.4	70-130		7/21/23 20:45
4-Bromofluorobenzene	83.4	70-130		7/21/23 20:45

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2119-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.0	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1-Dichloroethane	13	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1-Dichloroethylene	0.53	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
cis-1,2-Dichloroethylene	0.26	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2119-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1	MS-07A	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Tetrachloroethylene	0.31	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,1-Trichloroethane	55	1.0	0.15	µg/L	1	MS-19	SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Trichloroethylene	3.3	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/21/23 21:12
Toluene-d8	98.8	70-130		7/21/23 21:12
4-Bromofluorobenzene	85.2	70-130		7/21/23 21:12

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2119-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2119-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Methylene Chloride	0.19	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 21:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/21/23 21:39
Toluene-d8	98.6	70-130		7/21/23 21:39
4-Bromofluorobenzene	84.0	70-130		7/21/23 21:39

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2119-09

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2119-09

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Methylene Chloride	0.23	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		7/21/23 22:05
Toluene-d8	99.2	70-130		7/21/23 22:05
4-Bromofluorobenzene	86.8	70-130		7/21/23 22:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2119-10

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2119-10

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Methylene Chloride	0.27	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/22/23 0:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.3	70-130		7/22/23 0:45
Toluene-d8	97.9	70-130		7/22/23 0:45
4-Bromofluorobenzene	86.6	70-130		7/22/23 0:45

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.8	50	2.0	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 22:32
Toluene-d8	98.9	70-130		7/21/23 22:32
4-Bromofluorobenzene	83.4	70-130		7/21/23 22:32

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: CW-01-130723 | Sampled: 7/13/2023 18:24

Sample ID: 23G2119-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: CW-01-130723 | Sampled: 7/13/2023 18:24

Sample ID: 23G2119-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Methylene Chloride	0.21	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,1-Trichloroethane	4.9	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Trichloroethylene	0.34	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 22:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 22:59
Toluene-d8	99.1	70-130		7/21/23 22:59
4-Bromofluorobenzene	82.8	70-130		7/21/23 22:59

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: MW-DUP-1-13072023 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: MW-DUP-1-13072023 | Sampled: 7/13/2023 00:00

Sample ID: 23G2119-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Methylene Chloride	0.19	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,1-Trichloroethane	4.7	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Trichloroethylene	0.23	1.0	0.17	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/21/23 23:25
Toluene-d8	98.0	70-130		7/21/23 23:25
4-Bromofluorobenzene	83.2	70-130		7/21/23 23:25

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: FN-19-13072023 | Sampled: 7/13/2023 16:56

Sample ID: 23G2119-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1-Dichloroethane	2.8	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1-Dichloroethylene	0.21	1.0	0.14	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: FN-19-13072023 | Sampled: 7/13/2023 16:56

Sample ID: 23G2119-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1	MS-07A	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Methylene Chloride	0.22	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	MS-07A, V-05	SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,1-Trichloroethane	17	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Trichloroethylene	1.1	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 23:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		7/21/23 23:52
Toluene-d8	98.1	70-130		7/21/23 23:52
4-Bromofluorobenzene	84.7	70-130		7/21/23 23:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: VOC TRIP BLANK | Sampled: 7/10/2023 15:15

Sample ID: 23G2119-15

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2119

Date Received: 7/15/2023

Field Sample #: VOC TRIP BLANK | Sampled: 7/10/2023 15:15

Sample ID: 23G2119-15

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Methylene Chloride	0.23	5.0	0.18	µg/L	1	J	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/21/23	7/21/23 17:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		7/21/23 17:39
Toluene-d8	96.1	70-130		7/21/23 17:39
4-Bromofluorobenzene	84.4	70-130		7/21/23 17:39

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Sample Extraction Data

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2119-01 [BEL-DPT-2-35]	B346727	5	5.00	07/21/23
23G2119-02 [BEL-DPT-2-45]	B346727	5	5.00	07/21/23
23G2119-03 [BEL-DPT-1-35]	B346727	5	5.00	07/21/23
23G2119-04 [BEL-DPT-1-45]	B346727	5	5.00	07/21/23
23G2119-05 [BEL-DPT-2-55]	B346727	5	5.00	07/21/23
23G2119-06 [BEL-DPT-1-55]	B346727	5	5.00	07/21/23
23G2119-07 [5AVE-DPT-1-40]	B346727	5	5.00	07/21/23
23G2119-08 [5AVE-DPT-1-50]	B346727	5	5.00	07/21/23
23G2119-09 [DPT-FB-4-13072023]	B346727	5	5.00	07/21/23
23G2119-10 [DPT-EQB-3-13072023]	B346727	5	5.00	07/21/23
23G2119-11 [DPT-DUP-2]	B346727	5	5.00	07/21/23
23G2119-12 [CW-01-130723]	B346727	5	5.00	07/21/23
23G2119-13 [MW-DUP-1-13072023]	B346727	5	5.00	07/21/23
23G2119-14 [FN-19-13072023]	B346727	5	5.00	07/21/23
23G2119-15 [VOC TRIP BLANK]	B346727	5	5.00	07/21/23

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B										
Blank (B346727-BLK1)				Prepared & Analyzed: 07/21/23						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
Blank (B346727-BLK1)				Prepared & Analyzed: 07/21/23							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.3	70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.1	70-130				
Surrogate: 4-Bromofluorobenzene	*21.1*		µg/L	25.0		84.4	70-130				
LCS (B346727-BS1)				Prepared & Analyzed: 07/21/23							
Acetone	84.6	50	µg/L	100		84.6	70-160				†
Acrylonitrile	9.48	5.0	µg/L	10.0		94.8	70-130				
tert-Amyl Methyl Ether (TAME)	8.60	0.50	µg/L	10.0		86.0	70-130				
Benzene	10.7	1.0	µg/L	10.0		107	70-130				
Bromobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130				
Bromoform	8.32	1.0	µg/L	10.0		83.2	70-130				
Bromomethane	13.0	2.0	µg/L	10.0		130	40-160			V-20	†
2-Butanone (MEK)	94.0	20	µg/L	100		94.0	40-160				†
tert-Butyl Alcohol (TBA)	71.0	20	µg/L	100		71.0	40-160			V-05	†
n-Butylbenzene	9.87	1.0	µg/L	10.0		98.7	70-130				
sec-Butylbenzene	9.40	1.0	µg/L	10.0		94.0	70-130				
tert-Butylbenzene	8.84	1.0	µg/L	10.0		88.4	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.24	0.50	µg/L	10.0		92.4	70-130				
Carbon Disulfide	98.9	5.0	µg/L	100		98.9	70-130				
Carbon Tetrachloride	8.27	5.0	µg/L	10.0		82.7	70-130			V-05	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130				
Chlorodibromomethane	9.54	0.50	µg/L	10.0		95.4	70-130				
Chloroethane	9.58	2.0	µg/L	10.0		95.8	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
LCS (B346727-BS1)				Prepared & Analyzed: 07/21/23							
Chloromethane	9.93	2.0	µg/L	10.0		99.3	40-160				†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130				
4-Chlorotoluene	9.97	1.0	µg/L	10.0		99.7	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.51	5.0	µg/L	10.0		75.1	70-130				
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130				
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,4-Dichloro-2-butene	8.08	2.0	µg/L	10.0		80.8	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	11.1	2.0	µg/L	10.0		111	40-160				†
1,1-Dichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130				
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130				
cis-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0		99.2	70-130				
trans-1,2-Dichloroethylene	9.40	1.0	µg/L	10.0		94.0	70-130				
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130				
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130				
2,2-Dichloropropane	9.69	1.0	µg/L	10.0		96.9	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130				
Diethyl Ether	9.47	2.0	µg/L	10.0		94.7	70-130				
Diisopropyl Ether (DIPE)	9.97	0.50	µg/L	10.0		99.7	70-130				
1,4-Dioxane	80.1	50	µg/L	100		80.1	40-130				†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Hexachlorobutadiene	11.7	0.60	µg/L	10.0		117	70-130				
2-Hexanone (MBK)	86.8	10	µg/L	100		86.8	70-160				†
Isopropylbenzene (Cumene)	9.16	1.0	µg/L	10.0		91.6	70-130				
p-Isopropyltoluene (p-Cymene)	9.37	1.0	µg/L	10.0		93.7	70-130				
Methyl Acetate	8.10	1.0	µg/L	10.0		81.0	70-130				
Methyl tert-Butyl Ether (MTBE)	8.73	1.0	µg/L	10.0		87.3	70-130				
Methyl Cyclohexane	11.4	1.0	µg/L	10.0		114	70-130				
Methylene Chloride	9.36	5.0	µg/L	10.0		93.6	70-130				
4-Methyl-2-pentanone (MIBK)	88.3	10	µg/L	100		88.3	70-160				†
Naphthalene	6.07	2.0	µg/L	10.0		60.7	40-130			V-05	†
n-Propylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130				
Styrene	9.58	1.0	µg/L	10.0		95.8	70-130				
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2,2-Tetrachloroethane	9.64	0.50	µg/L	10.0		96.4	70-130				
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
Tetrahydrofuran	9.48	10	µg/L	10.0		94.8	70-130			J	
Toluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2,3-Trichlorobenzene	8.22	5.0	µg/L	10.0		82.2	70-130				
1,2,4-Trichlorobenzene	7.79	1.0	µg/L	10.0		77.9	70-130			V-05	
1,3,5-Trichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130				
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.98	2.0	µg/L	10.0		99.8	70-130				
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
LCS (B346727-BS1)				Prepared & Analyzed: 07/21/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.42	1.0	µg/L	10.0		94.2	70-130				
1,3,5-Trimethylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130				
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160				†
m+p Xylene	19.9	2.0	µg/L	20.0		99.4	70-130				
o-Xylene	9.44	1.0	µg/L	10.0		94.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.1*		µg/L	25.0		96.2	70-130				
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.6	70-130				
LCS Dup (B346727-BSD1)				Prepared & Analyzed: 07/21/23							
Acetone	87.0	50	µg/L	100		87.0	70-160	2.75	25		†
Acrylonitrile	8.75	5.0	µg/L	10.0		87.5	70-130	8.01	25		
tert-Amyl Methyl Ether (TAME)	8.82	0.50	µg/L	10.0		88.2	70-130	2.53	25		
Benzene	10.6	1.0	µg/L	10.0		106	70-130	0.188	25		
Bromobenzene	9.52	1.0	µg/L	10.0		95.2	70-130	5.22	25		
Bromochloromethane	10.7	1.0	µg/L	10.0		107	70-130	0.742	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.13	25		
Bromoform	8.03	1.0	µg/L	10.0		80.3	70-130	3.55	25		
Bromomethane	13.2	2.0	µg/L	10.0		132	40-160	2.29	25	V-20	†
2-Butanone (MEK)	97.2	20	µg/L	100		97.2	40-160	3.27	25		†
tert-Butyl Alcohol (TBA)	71.7	20	µg/L	100		71.7	40-160	0.995	25	V-05	†
n-Butylbenzene	9.42	1.0	µg/L	10.0		94.2	70-130	4.67	25		
sec-Butylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130	3.57	25		
tert-Butylbenzene	8.91	1.0	µg/L	10.0		89.1	70-130	0.789	25		
tert-Butyl Ethyl Ether (TBEE)	9.39	0.50	µg/L	10.0		93.9	70-130	1.61	25		
Carbon Disulfide	97.0	5.0	µg/L	100		97.0	70-130	1.93	25		
Carbon Tetrachloride	7.84	5.0	µg/L	10.0		78.4	70-130	5.34	25	V-05	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	5.41	25		
Chlorodibromomethane	9.26	0.50	µg/L	10.0		92.6	70-130	2.98	25		
Chloroethane	9.30	2.0	µg/L	10.0		93.0	70-130	2.97	25		
Chloroform	9.79	2.0	µg/L	10.0		97.9	70-130	4.10	25		
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160	3.37	25		†
2-Chlorotoluene	9.47	1.0	µg/L	10.0		94.7	70-130	8.59	25		
4-Chlorotoluene	9.22	1.0	µg/L	10.0		92.2	70-130	7.82	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.24	5.0	µg/L	10.0		82.4	70-130	9.27	25		
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130	1.57	25		
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130	3.50	25		
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.297	25		
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.585	25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.66	25		
trans-1,4-Dichloro-2-butene	7.59	2.0	µg/L	10.0		75.9	70-130	6.25	25	V-05	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160	1.73	25		†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	2.10	25		
1,2-Dichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	5.85	25		
1,1-Dichloroethylene	9.52	1.0	µg/L	10.0		95.2	70-130	1.77	25		
cis-1,2-Dichloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	1.42	25		
trans-1,2-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130	2.21	25		
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	3.28	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	0.196	25		
2,2-Dichloropropane	9.28	1.0	µg/L	10.0		92.8	40-130	4.32	25		†
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100	70-130	2.26	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B346727 - SW-846 5030B											
LCS Dup (B346727-BSD1)				Prepared & Analyzed: 07/21/23							
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.29	25		
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	0.891	25		
Diethyl Ether	9.45	2.0	µg/L	10.0		94.5	70-130	0.211	25		
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130	1.69	25		
1,4-Dioxane	71.6	50	µg/L	100		71.6	40-130	11.3	50		† ‡
Ethylbenzene	9.47	1.0	µg/L	10.0		94.7	70-130	7.13	25		
Hexachlorobutadiene	11.9	0.60	µg/L	10.0		119	70-130	1.36	25		
2-Hexanone (MBK)	83.8	10	µg/L	100		83.8	70-160	3.53	25		†
Isopropylbenzene (Cumene)	8.88	1.0	µg/L	10.0		88.8	70-130	3.10	25		
p-Isopropyltoluene (p-Cymene)	9.18	1.0	µg/L	10.0		91.8	70-130	2.05	25		
Methyl Acetate	8.60	1.0	µg/L	10.0		86.0	70-130	5.99	25		
Methyl tert-Butyl Ether (MTBE)	8.94	1.0	µg/L	10.0		89.4	70-130	2.38	25		
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130	5.02	25		
Methylene Chloride	9.49	5.0	µg/L	10.0		94.9	70-130	1.38	25		
4-Methyl-2-pentanone (MIBK)	88.1	10	µg/L	100		88.1	70-160	0.204	25		†
Naphthalene	6.30	2.0	µg/L	10.0		63.0	40-130	3.72	25	V-05	†
n-Propylbenzene	8.88	1.0	µg/L	10.0		88.8	70-130	9.54	25		
Styrene	8.72	1.0	µg/L	10.0		87.2	70-130	9.40	25		
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.90	25		
1,1,2,2-Tetrachloroethane	9.09	0.50	µg/L	10.0		90.9	70-130	5.87	25		
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	7.15	25		
Tetrahydrofuran	9.69	10	µg/L	10.0		96.9	70-130	2.19	25	J	
Toluene	10.5	1.0	µg/L	10.0		105	70-130	2.55	25		
1,2,3-Trichlorobenzene	8.36	5.0	µg/L	10.0		83.6	70-130	1.69	25		
1,2,4-Trichlorobenzene	7.82	1.0	µg/L	10.0		78.2	70-130	0.384	25	V-05	
1,3,5-Trichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	1.12	25		
1,1,1-Trichloroethane	9.82	1.0	µg/L	10.0		98.2	70-130	5.54	25		
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.85	25		
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.956	25		
Trichlorofluoromethane (Freon 11)	9.56	2.0	µg/L	10.0		95.6	70-130	4.30	25		
1,2,3-Trichloropropane	11.7	2.0	µg/L	10.0		117	70-130	0.766	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130	2.99	25		
1,2,4-Trimethylbenzene	8.98	1.0	µg/L	10.0		89.8	70-130	4.78	25		
1,3,5-Trimethylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130	5.39	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	6.17	25		†
m+p Xylene	19.1	2.0	µg/L	20.0		95.4	70-130	4.16	25		
o-Xylene	8.73	1.0	µg/L	10.0		87.3	70-130	7.82	25		
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.9	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*22.6*		µg/L	25.0		90.4	70-130				
Matrix Spike (B346727-MS1)		**Source: 23G2119-07**		Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	75.3	50	µg/L	100	4.05	71.3	70-130				
Acrylonitrile	7.85	5.0	µg/L	10.0	ND	78.5	70-130				
tert-Amyl Methyl Ether (TAME)	7.30	0.50	µg/L	10.0	ND	73.0	70-130				
Benzene	9.66	1.0	µg/L	10.0	ND	96.6	70-130				
Bromobenzene	8.47	1.0	µg/L	10.0	ND	84.7	70-130				
Bromochloromethane	9.68	1.0	µg/L	10.0	ND	96.8	70-130				
Bromodichloromethane	9.38	0.50	µg/L	10.0	ND	93.8	70-130				
Bromoform	7.46	1.0	µg/L	10.0	ND	74.6	70-130				
Bromomethane	10.6	2.0	µg/L	10.0	ND	106	70-130			V-20	
2-Butanone (MEK)	85.5	20	µg/L	100	ND	85.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike (B346727-MS1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
tert-Butyl Alcohol (TBA)	63.7	20	µg/L	100	ND	**63.7**	*	70-130			MS-07A, V-05
n-Butylbenzene	8.02	1.0	µg/L	10.0	ND	80.2		70-130			
sec-Butylbenzene	8.03	1.0	µg/L	10.0	ND	80.3		70-130			
tert-Butylbenzene	7.73	1.0	µg/L	10.0	ND	77.3		70-130			
tert-Butyl Ethyl Ether (TBEE)	8.07	0.50	µg/L	10.0	ND	80.7		70-130			
Carbon Disulfide	89.8	5.0	µg/L	100	ND	89.8		70-130			
Carbon Tetrachloride	9.23	5.0	µg/L	10.0	ND	92.3		70-130			V-05
Chlorobenzene	9.22	1.0	µg/L	10.0	ND	92.2		70-130			
Chlorodibromomethane	8.69	0.50	µg/L	10.0	ND	86.9		70-130			
Chloroethane	8.29	2.0	µg/L	10.0	ND	82.9		70-130			
Chloroform	9.22	2.0	µg/L	10.0	ND	92.2		70-130			
Chloromethane	9.11	2.0	µg/L	10.0	ND	91.1		70-130			
2-Chlorotoluene	8.53	1.0	µg/L	10.0	ND	85.3		70-130			
4-Chlorotoluene	8.21	1.0	µg/L	10.0	ND	82.1		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.00	5.0	µg/L	10.0	ND	70.0		70-130			
1,2-Dibromoethane (EDB)	9.22	0.50	µg/L	10.0	ND	92.2		70-130			
Dibromomethane	9.25	1.0	µg/L	10.0	ND	92.5		70-130			
1,2-Dichlorobenzene	8.51	1.0	µg/L	10.0	ND	85.1		70-130			
1,3-Dichlorobenzene	8.73	1.0	µg/L	10.0	ND	87.3		70-130			
1,4-Dichlorobenzene	7.99	1.0	µg/L	10.0	ND	79.9		70-130			
trans-1,4-Dichloro-2-butene	5.56	2.0	µg/L	10.0	ND	**55.6**	*	70-130			MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0	ND	106		70-130			
1,1-Dichloroethane	22.1	1.0	µg/L	10.0	12.6	94.6		70-130			
1,2-Dichloroethane	9.13	1.0	µg/L	10.0	ND	91.3		70-130			
1,1-Dichloroethylene	9.44	1.0	µg/L	10.0	0.530	89.1		70-130			
cis-1,2-Dichloroethylene	8.93	1.0	µg/L	10.0	0.260	86.7		70-130			
trans-1,2-Dichloroethylene	8.53	1.0	µg/L	10.0	ND	85.3		70-130			
1,2-Dichloropropane	9.45	1.0	µg/L	10.0	ND	94.5		70-130			
1,3-Dichloropropane	9.10	0.50	µg/L	10.0	ND	91.0		70-130			
2,2-Dichloropropane	7.23	1.0	µg/L	10.0	ND	72.3		70-130			
1,1-Dichloropropene	9.08	2.0	µg/L	10.0	ND	90.8		70-130			
cis-1,3-Dichloropropene	8.51	0.50	µg/L	10.0	ND	85.1		70-130			
trans-1,3-Dichloropropene	8.58	0.50	µg/L	10.0	ND	85.8		70-130			
Diethyl Ether	8.41	2.0	µg/L	10.0	ND	84.1		70-130			
Diisopropyl Ether (DIPE)	8.63	0.50	µg/L	10.0	ND	86.3		70-130			
1,4-Dioxane	70.2	50	µg/L	100	ND	70.2		70-130			
Ethylbenzene	8.74	1.0	µg/L	10.0	ND	87.4		70-130			
Hexachlorobutadiene	9.09	0.60	µg/L	10.0	ND	90.9		70-130			
2-Hexanone (MBK)	77.4	10	µg/L	100	ND	77.4		70-130			
Isopropylbenzene (Cumene)	7.90	1.0	µg/L	10.0	ND	79.0		70-130			
p-Isopropyltoluene (p-Cymene)	7.93	1.0	µg/L	10.0	ND	79.3		70-130			
Methyl Acetate	5.94	1.0	µg/L	10.0	ND	**59.4**	*	70-130			MS-07A
Methyl tert-Butyl Ether (MTBE)	7.75	1.0	µg/L	10.0	ND	77.5		70-130			
Methyl Cyclohexane	9.70	1.0	µg/L	10.0	ND	97.0		70-130			
Methylene Chloride	8.44	5.0	µg/L	10.0	0.210	82.3		70-130			
4-Methyl-2-pentanone (MIBK)	79.6	10	µg/L	100	ND	79.6		70-130			
Naphthalene	4.58	2.0	µg/L	10.0	ND	**45.8**	*	70-130			MS-07A, V-05
n-Propylbenzene	8.05	1.0	µg/L	10.0	ND	80.5		70-130			
Styrene	7.39	1.0	µg/L	10.0	ND	73.9		70-130			
1,1,1,2-Tetrachloroethane	9.38	1.0	µg/L	10.0	ND	93.8		70-130			
1,1,2,2-Tetrachloroethane	8.82	0.50	µg/L	10.0	ND	88.2		70-130			
Tetrachloroethylene	9.81	1.0	µg/L	10.0	0.310	95.0		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike (B346727-MS1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
Tetrahydrofuran	7.94	10	µg/L	10.0	ND	79.4		70-130			J
Toluene	9.64	1.0	µg/L	10.0	ND	96.4		70-130			
1,2,3-Trichlorobenzene	6.31	5.0	µg/L	10.0	ND	**63.1**	*	70-130			MS-24
1,2,4-Trichlorobenzene	5.95	1.0	µg/L	10.0	ND	**59.5**	*	70-130			MS-07A, V-05
1,3,5-Trichlorobenzene	7.85	1.0	µg/L	10.0	ND	78.5		70-130			
1,1,1-Trichloroethane	72.0	1.0	µg/L	10.0	55.2	**169**	*	70-130			MS-19
1,1,2-Trichloroethane	9.51	1.0	µg/L	10.0	ND	95.1		70-130			
Trichloroethylene	13.6	1.0	µg/L	10.0	3.30	103		70-130			
Trichlorofluoromethane (Freon 11)	9.05	2.0	µg/L	10.0	ND	90.5		70-130			
1,2,3-Trichloropropane	9.88	2.0	µg/L	10.0	ND	98.8		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.29	1.0	µg/L	10.0	ND	92.9		70-130			
1,2,4-Trimethylbenzene	8.01	1.0	µg/L	10.0	ND	80.1		70-130			
1,3,5-Trimethylbenzene	8.23	1.0	µg/L	10.0	ND	82.3		70-130			
Vinyl Chloride	10.4	2.0	µg/L	10.0	ND	104		70-130			
m+p Xylene	17.0	2.0	µg/L	20.0	ND	85.0		70-130			
o-Xylene	7.90	1.0	µg/L	10.0	ND	79.0		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.6		70-130			
Surrogate: Toluene-d8	*26.4*		µg/L	25.0		106		70-130			
Surrogate: 4-Bromofluorobenzene	*23.0*		µg/L	25.0		91.9		70-130			
Matrix Spike (B346727-MS2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	74.4	50	µg/L	100	ND	74.4		70-130			
Acrylonitrile	7.71	5.0	µg/L	10.0	ND	77.1		70-130			
tert-Amyl Methyl Ether (TAME)	7.55	0.50	µg/L	10.0	ND	75.5		70-130			
Benzene	9.78	1.0	µg/L	10.0	ND	97.8		70-130			
Bromobenzene	8.83	1.0	µg/L	10.0	ND	88.3		70-130			
Bromochloromethane	9.97	1.0	µg/L	10.0	ND	99.7		70-130			
Bromodichloromethane	9.48	0.50	µg/L	10.0	ND	94.8		70-130			
Bromoform	7.23	1.0	µg/L	10.0	ND	72.3		70-130			
Bromomethane	11.4	2.0	µg/L	10.0	ND	114		70-130			V-20
2-Butanone (MEK)	82.8	20	µg/L	100	ND	82.8		70-130			
tert-Butyl Alcohol (TBA)	62.5	20	µg/L	100	ND	**62.5**	*	70-130			MS-07A, V-05
n-Butylbenzene	8.72	1.0	µg/L	10.0	ND	87.2		70-130			
sec-Butylbenzene	8.49	1.0	µg/L	10.0	ND	84.9		70-130			
tert-Butylbenzene	8.09	1.0	µg/L	10.0	ND	80.9		70-130			
tert-Butyl Ethyl Ether (TBEE)	8.07	0.50	µg/L	10.0	ND	80.7		70-130			
Carbon Disulfide	92.0	5.0	µg/L	100	ND	92.0		70-130			
Carbon Tetrachloride	8.77	5.0	µg/L	10.0	ND	87.7		70-130			V-05
Chlorobenzene	9.50	1.0	µg/L	10.0	ND	95.0		70-130			
Chlorodibromomethane	8.53	0.50	µg/L	10.0	ND	85.3		70-130			
Chloroethane	8.85	2.0	µg/L	10.0	ND	88.5		70-130			
Chloroform	9.26	2.0	µg/L	10.0	ND	92.6		70-130			
Chloromethane	9.43	2.0	µg/L	10.0	ND	94.3		70-130			
2-Chlorotoluene	8.41	1.0	µg/L	10.0	ND	84.1		70-130			
4-Chlorotoluene	8.50	1.0	µg/L	10.0	ND	85.0		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.24	5.0	µg/L	10.0	ND	72.4		70-130			
1,2-Dibromoethane (EDB)	9.12	0.50	µg/L	10.0	ND	91.2		70-130			
Dibromomethane	9.31	1.0	µg/L	10.0	ND	93.1		70-130			
1,2-Dichlorobenzene	9.09	1.0	µg/L	10.0	ND	90.9		70-130			
1,3-Dichlorobenzene	9.18	1.0	µg/L	10.0	ND	91.8		70-130			
1,4-Dichlorobenzene	9.20	1.0	µg/L	10.0	ND	92.0		70-130			
trans-1,4-Dichloro-2-butene	5.79	2.0	µg/L	10.0	ND	**57.9**	*	70-130			MS-07A, V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike (B346727-MS2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0	ND	109		70-130			
1,1-Dichloroethane	11.9	1.0	µg/L	10.0	2.75	91.6		70-130			
1,2-Dichloroethane	8.90	1.0	µg/L	10.0	ND	89.0		70-130			
1,1-Dichloroethylene	9.26	1.0	µg/L	10.0	0.210	90.5		70-130			
cis-1,2-Dichloroethylene	8.92	1.0	µg/L	10.0	ND	89.2		70-130			
trans-1,2-Dichloroethylene	8.84	1.0	µg/L	10.0	ND	88.4		70-130			
1,2-Dichloropropane	9.81	1.0	µg/L	10.0	ND	98.1		70-130			
1,3-Dichloropropane	9.01	0.50	µg/L	10.0	ND	90.1		70-130			
2,2-Dichloropropane	7.40	1.0	µg/L	10.0	ND	74.0		70-130			
1,1-Dichloropropene	9.55	2.0	µg/L	10.0	ND	95.5		70-130			
cis-1,3-Dichloropropene	8.75	0.50	µg/L	10.0	ND	87.5		70-130			
trans-1,3-Dichloropropene	8.53	0.50	µg/L	10.0	ND	85.3		70-130			
Diethyl Ether	8.64	2.0	µg/L	10.0	ND	86.4		70-130			
Diisopropyl Ether (DIPE)	8.85	0.50	µg/L	10.0	ND	88.5		70-130			
1,4-Dioxane	69.2	50	µg/L	100	ND	**69.2**	*	70-130			MS-24
Ethylbenzene	9.09	1.0	µg/L	10.0	ND	90.9		70-130			
Hexachlorobutadiene	10.6	0.60	µg/L	10.0	ND	106		70-130			
2-Hexanone (MBK)	73.1	10	µg/L	100	ND	73.1		70-130			
Isopropylbenzene (Cumene)	8.22	1.0	µg/L	10.0	ND	82.2		70-130			
p-Isopropyltoluene (p-Cymene)	8.45	1.0	µg/L	10.0	ND	84.5		70-130			
Methyl Acetate	6.06	1.0	µg/L	10.0	ND	**60.6**	*	70-130			MS-07A
Methyl tert-Butyl Ether (MTBE)	7.86	1.0	µg/L	10.0	ND	78.6		70-130			
Methyl Cyclohexane	9.78	1.0	µg/L	10.0	ND	97.8		70-130			
Methylene Chloride	8.99	5.0	µg/L	10.0	0.220	87.7		70-130			
4-Methyl-2-pentanone (MIBK)	76.7	10	µg/L	100	ND	76.7		70-130			
Naphthalene	5.33	2.0	µg/L	10.0	ND	**53.3**	*	70-130			MS-07A, V-05
n-Propylbenzene	8.51	1.0	µg/L	10.0	ND	85.1		70-130			
Styrene	7.94	1.0	µg/L	10.0	ND	79.4		70-130			
1,1,1,2-Tetrachloroethane	9.34	1.0	µg/L	10.0	ND	93.4		70-130			
1,1,2,2-Tetrachloroethane	8.68	0.50	µg/L	10.0	ND	86.8		70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0	ND	103		70-130			
Tetrahydrofuran	7.97	10	µg/L	10.0	ND	79.7		70-130			J
Toluene	9.87	1.0	µg/L	10.0	ND	98.7		70-130			
1,2,3-Trichlorobenzene	7.12	5.0	µg/L	10.0	ND	71.2		70-130			
1,2,4-Trichlorobenzene	6.84	1.0	µg/L	10.0	ND	**68.4**	*	70-130			MS-07A, V-05
1,3,5-Trichlorobenzene	8.73	1.0	µg/L	10.0	ND	87.3		70-130			
1,1,1-Trichloroethane	26.3	1.0	µg/L	10.0	16.6	96.6		70-130			
1,1,2-Trichloroethane	9.44	1.0	µg/L	10.0	ND	94.4		70-130			
Trichloroethylene	10.8	1.0	µg/L	10.0	1.08	97.6		70-130			
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0	ND	92.3		70-130			
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0	ND	102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.56	1.0	µg/L	10.0	ND	95.6		70-130			
1,2,4-Trimethylbenzene	8.45	1.0	µg/L	10.0	ND	84.5		70-130			
1,3,5-Trimethylbenzene	8.60	1.0	µg/L	10.0	ND	86.0		70-130			
Vinyl Chloride	10.9	2.0	µg/L	10.0	ND	109		70-130			
m+p Xylene	17.6	2.0	µg/L	20.0	ND	88.2		70-130			
o-Xylene	8.17	1.0	µg/L	10.0	ND	81.7		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.6		70-130			
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*22.7*		µg/L	25.0		90.7		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike Dup (B346727-MSD1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	78.9	50	µg/L	100	4.05	74.8		70-130	4.64	30	
Acrylonitrile	7.76	5.0	µg/L	10.0	ND	77.6		70-130	1.15	30	
tert-Amyl Methyl Ether (TAME)	7.71	0.50	µg/L	10.0	ND	77.1		70-130	5.46	30	
Benzene	9.92	1.0	µg/L	10.0	ND	99.2		70-130	2.66	30	
Bromobenzene	8.63	1.0	µg/L	10.0	ND	86.3		70-130	1.87	30	
Bromochloromethane	10.2	1.0	µg/L	10.0	ND	102		70-130	5.13	30	
Bromodichloromethane	9.59	0.50	µg/L	10.0	ND	95.9		70-130	2.21	30	
Bromoform	7.28	1.0	µg/L	10.0	ND	72.8		70-130	2.44	30	
Bromomethane	10.4	2.0	µg/L	10.0	ND	104		70-130	2.67	30	V-20
2-Butanone (MEK)	85.9	20	µg/L	100	ND	85.9		70-130	0.467	30	
tert-Butyl Alcohol (TBA)	66.8	20	µg/L	100	ND	**66.8**	*	70-130	4.89	30	MS-07A, V-05
n-Butylbenzene	8.35	1.0	µg/L	10.0	ND	83.5		70-130	4.03	30	
sec-Butylbenzene	8.38	1.0	µg/L	10.0	ND	83.8		70-130	4.27	30	
tert-Butylbenzene	7.94	1.0	µg/L	10.0	ND	79.4		70-130	2.68	30	
tert-Butyl Ethyl Ether (TBEE)	8.23	0.50	µg/L	10.0	ND	82.3		70-130	1.96	30	
Carbon Disulfide	94.6	5.0	µg/L	100	ND	94.6		70-130	5.27	30	
Carbon Tetrachloride	9.87	5.0	µg/L	10.0	ND	98.7		70-130	6.70	30	V-05
Chlorobenzene	9.46	1.0	µg/L	10.0	ND	94.6		70-130	2.57	30	
Chlorodibromomethane	8.94	0.50	µg/L	10.0	ND	89.4		70-130	2.84	30	
Chloroethane	8.98	2.0	µg/L	10.0	ND	89.8		70-130	7.99	30	
Chloroform	9.57	2.0	µg/L	10.0	ND	95.7		70-130	3.73	30	
Chloromethane	9.34	2.0	µg/L	10.0	ND	93.4		70-130	2.49	30	
2-Chlorotoluene	8.53	1.0	µg/L	10.0	ND	85.3		70-130	0.00	30	
4-Chlorotoluene	8.62	1.0	µg/L	10.0	ND	86.2		70-130	4.87	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.29	5.0	µg/L	10.0	ND	72.9		70-130	4.06	30	
1,2-Dibromoethane (EDB)	9.08	0.50	µg/L	10.0	ND	90.8		70-130	1.53	30	
Dibromomethane	9.24	1.0	µg/L	10.0	ND	92.4		70-130	0.108	30	
1,2-Dichlorobenzene	9.01	1.0	µg/L	10.0	ND	90.1		70-130	5.71	30	
1,3-Dichlorobenzene	8.94	1.0	µg/L	10.0	ND	89.4		70-130	2.38	30	
1,4-Dichlorobenzene	9.27	1.0	µg/L	10.0	ND	92.7		70-130	14.8	30	
trans-1,4-Dichloro-2-butene	5.21	2.0	µg/L	10.0	ND	**52.1**	*	70-130	6.50	30	MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	11.1	2.0	µg/L	10.0	ND	111		70-130	4.42	30	
1,1-Dichloroethane	23.0	1.0	µg/L	10.0	12.6	104		70-130	4.09	30	
1,2-Dichloroethane	9.06	1.0	µg/L	10.0	ND	90.6		70-130	0.770	30	
1,1-Dichloroethylene	9.43	1.0	µg/L	10.0	0.530	89.0		70-130	0.106	30	
cis-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0	0.260	87.9		70-130	1.33	30	
trans-1,2-Dichloroethylene	9.06	1.0	µg/L	10.0	ND	90.6		70-130	6.03	30	
1,2-Dichloropropane	9.49	1.0	µg/L	10.0	ND	94.9		70-130	0.422	30	
1,3-Dichloropropane	9.10	0.50	µg/L	10.0	ND	91.0		70-130	0.00	30	
2,2-Dichloropropane	7.67	1.0	µg/L	10.0	ND	76.7		70-130	5.91	30	
1,1-Dichloropropene	9.61	2.0	µg/L	10.0	ND	96.1		70-130	5.67	30	
cis-1,3-Dichloropropene	8.55	0.50	µg/L	10.0	ND	85.5		70-130	0.469	30	
trans-1,3-Dichloropropene	8.55	0.50	µg/L	10.0	ND	85.5		70-130	0.350	30	
Diethyl Ether	8.60	2.0	µg/L	10.0	ND	86.0		70-130	2.23	30	
Diisopropyl Ether (DIPE)	8.96	0.50	µg/L	10.0	ND	89.6		70-130	3.75	30	
1,4-Dioxane	70.6	50	µg/L	100	ND	70.6		70-130	0.667	30	
Ethylbenzene	8.85	1.0	µg/L	10.0	ND	88.5		70-130	1.25	30	
Hexachlorobutadiene	9.52	0.60	µg/L	10.0	ND	95.2		70-130	4.62	30	
2-Hexanone (MBK)	80.5	10	µg/L	100	ND	80.5		70-130	4.00	30	
Isopropylbenzene (Cumene)	8.13	1.0	µg/L	10.0	ND	81.3		70-130	2.87	30	
p-Isopropyltoluene (p-Cymene)	8.37	1.0	µg/L	10.0	ND	83.7		70-130	5.40	30	
Methyl Acetate	5.98	1.0	µg/L	10.0	ND	**59.8**	*	70-130	0.671	30	MS-07A

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike Dup (B346727-MSD1)	**Source: 23G2119-07**			Prepared: 07/21/23 Analyzed: 07/22/23							
Methyl tert-Butyl Ether (MTBE)	8.03	1.0	µg/L	10.0	ND	80.3		70-130	3.55	30	
Methyl Cyclohexane	9.61	1.0	µg/L	10.0	ND	96.1		70-130	0.932	30	
Methylene Chloride	9.08	5.0	µg/L	10.0	0.210	88.7		70-130	7.31	30	
4-Methyl-2-pentanone (MIBK)	79.2	10	µg/L	100	ND	79.2		70-130	0.579	30	
Naphthalene	5.19	2.0	µg/L	10.0	ND	**51.9**	*	70-130	12.5	30	MS-07A, V-05
n-Propylbenzene	8.39	1.0	µg/L	10.0	ND	83.9		70-130	4.14	30	
Styrene	7.78	1.0	µg/L	10.0	ND	77.8		70-130	5.14	30	
1,1,1,2-Tetrachloroethane	9.30	1.0	µg/L	10.0	ND	93.0		70-130	0.857	30	
1,1,2,2-Tetrachloroethane	8.47	0.50	µg/L	10.0	ND	84.7		70-130	4.05	30	
Tetrachloroethylene	9.93	1.0	µg/L	10.0	0.310	96.2		70-130	1.22	30	
Tetrahydrofuran	8.23	10	µg/L	10.0	ND	82.3		70-130	3.59	30	J
Toluene	9.91	1.0	µg/L	10.0	ND	99.1		70-130	2.76	30	
1,2,3-Trichlorobenzene	7.06	5.0	µg/L	10.0	ND	70.6		70-130	11.2	30	
1,2,4-Trichlorobenzene	6.37	1.0	µg/L	10.0	ND	**63.7**	*	70-130	6.82	30	MS-07A, V-05
1,3,5-Trichlorobenzene	8.00	1.0	µg/L	10.0	ND	80.0		70-130	1.89	30	
1,1,1-Trichloroethane	68.2	1.0	µg/L	10.0	55.2	**131**	*	70-130	5.41	30	MS-19
1,1,2-Trichloroethane	9.59	1.0	µg/L	10.0	ND	95.9		70-130	0.838	30	
Trichloroethylene	12.7	1.0	µg/L	10.0	3.30	94.3		70-130	6.53	30	
Trichlorofluoromethane (Freon 11)	9.10	2.0	µg/L	10.0	ND	91.0		70-130	0.551	30	
1,2,3-Trichloropropane	9.79	2.0	µg/L	10.0	ND	97.9		70-130	0.915	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.70	1.0	µg/L	10.0	ND	97.0		70-130	4.32	30	
1,2,4-Trimethylbenzene	8.35	1.0	µg/L	10.0	ND	83.5		70-130	4.16	30	
1,3,5-Trimethylbenzene	8.30	1.0	µg/L	10.0	ND	83.0		70-130	0.847	30	
Vinyl Chloride	11.0	2.0	µg/L	10.0	ND	110		70-130	5.06	30	
m+p Xylene	17.5	2.0	µg/L	20.0	ND	87.5		70-130	2.96	20	
o-Xylene	8.19	1.0	µg/L	10.0	ND	81.9		70-130	3.60	30	
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.2		70-130			
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*22.5*		µg/L	25.0		90.0		70-130			
Matrix Spike Dup (B346727-MSD2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Acetone	76.7	50	µg/L	100	ND	76.7		70-130	3.11	30	
Acrylonitrile	8.36	5.0	µg/L	10.0	ND	83.6		70-130	8.09	30	
tert-Amyl Methyl Ether (TAME)	7.76	0.50	µg/L	10.0	ND	77.6		70-130	2.74	30	
Benzene	9.71	1.0	µg/L	10.0	ND	97.1		70-130	0.718	30	
Bromobenzene	8.80	1.0	µg/L	10.0	ND	88.0		70-130	0.340	30	
Bromochloromethane	9.90	1.0	µg/L	10.0	ND	99.0		70-130	0.705	30	
Bromodichloromethane	9.68	0.50	µg/L	10.0	ND	96.8		70-130	2.09	30	
Bromoform	7.32	1.0	µg/L	10.0	ND	73.2		70-130	1.24	30	
Bromomethane	12.0	2.0	µg/L	10.0	ND	120		70-130	5.64	30	V-20
2-Butanone (MEK)	85.1	20	µg/L	100	ND	85.1		70-130	2.73	30	
tert-Butyl Alcohol (TBA)	68.3	20	µg/L	100	ND	**68.3**	*	70-130	8.75	30	MS-07A, V-05
n-Butylbenzene	8.60	1.0	µg/L	10.0	ND	86.0		70-130	1.39	30	
sec-Butylbenzene	8.31	1.0	µg/L	10.0	ND	83.1		70-130	2.14	30	
tert-Butylbenzene	8.00	1.0	µg/L	10.0	ND	80.0		70-130	1.12	30	
tert-Butyl Ethyl Ether (TBEE)	8.24	0.50	µg/L	10.0	ND	82.4		70-130	2.08	30	
Carbon Disulfide	93.5	5.0	µg/L	100	ND	93.5		70-130	1.69	30	
Carbon Tetrachloride	8.11	5.0	µg/L	10.0	ND	81.1		70-130	7.82	30	V-05
Chlorobenzene	9.59	1.0	µg/L	10.0	ND	95.9		70-130	0.943	30	
Chlorodibromomethane	8.58	0.50	µg/L	10.0	ND	85.8		70-130	0.584	30	
Chloroethane	9.03	2.0	µg/L	10.0	ND	90.3		70-130	2.01	30	
Chloroform	9.38	2.0	µg/L	10.0	ND	93.8		70-130	1.29	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B											
Matrix Spike Dup (B346727-MSD2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23							
Chloromethane	10.2	2.0	µg/L	10.0	ND	102		70-130	8.04	30	
2-Chlorotoluene	8.85	1.0	µg/L	10.0	ND	88.5		70-130	5.10	30	
4-Chlorotoluene	8.72	1.0	µg/L	10.0	ND	87.2		70-130	2.56	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.18	5.0	µg/L	10.0	ND	71.8		70-130	0.832	30	
1,2-Dibromoethane (EDB)	9.47	0.50	µg/L	10.0	ND	94.7		70-130	3.77	30	
Dibromomethane	9.12	1.0	µg/L	10.0	ND	91.2		70-130	2.06	30	
1,2-Dichlorobenzene	9.02	1.0	µg/L	10.0	ND	90.2		70-130	0.773	30	
1,3-Dichlorobenzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130	0.760	30	
1,4-Dichlorobenzene	9.24	1.0	µg/L	10.0	ND	92.4		70-130	0.434	30	
trans-1,4-Dichloro-2-butene	6.19	2.0	µg/L	10.0	ND	**61.9**	*	70-130	6.68	30	MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0	ND	103		70-130	5.75	30	
1,1-Dichloroethane	12.2	1.0	µg/L	10.0	2.75	94.0		70-130	2.00	30	
1,2-Dichloroethane	9.09	1.0	µg/L	10.0	ND	90.9		70-130	2.11	30	
1,1-Dichloroethylene	9.35	1.0	µg/L	10.0	0.210	91.4		70-130	0.967	30	
cis-1,2-Dichloroethylene	8.95	1.0	µg/L	10.0	ND	89.5		70-130	0.336	30	
trans-1,2-Dichloroethylene	8.90	1.0	µg/L	10.0	ND	89.0		70-130	0.676	30	
1,2-Dichloropropane	9.86	1.0	µg/L	10.0	ND	98.6		70-130	0.508	30	
1,3-Dichloropropane	9.12	0.50	µg/L	10.0	ND	91.2		70-130	1.21	30	
2,2-Dichloropropane	7.51	1.0	µg/L	10.0	ND	75.1		70-130	1.48	30	
1,1-Dichloropropene	9.43	2.0	µg/L	10.0	ND	94.3		70-130	1.26	30	
cis-1,3-Dichloropropene	8.82	0.50	µg/L	10.0	ND	88.2		70-130	0.797	30	
trans-1,3-Dichloropropene	8.68	0.50	µg/L	10.0	ND	86.8		70-130	1.74	30	
Diethyl Ether	8.63	2.0	µg/L	10.0	ND	86.3		70-130	0.116	30	
Diisopropyl Ether (DIPE)	9.01	0.50	µg/L	10.0	ND	90.1		70-130	1.79	30	
1,4-Dioxane	77.2	50	µg/L	100	ND	77.2		70-130	10.9	30	
Ethylbenzene	9.05	1.0	µg/L	10.0	ND	90.5		70-130	0.441	30	
Hexachlorobutadiene	10.2	0.60	µg/L	10.0	ND	102		70-130	4.24	30	
2-Hexanone (MBK)	80.5	10	µg/L	100	ND	80.5		70-130	9.62	30	
Isopropylbenzene (Cumene)	8.42	1.0	µg/L	10.0	ND	84.2		70-130	2.40	30	
p-Isopropyltoluene (p-Cymene)	8.31	1.0	µg/L	10.0	ND	83.1		70-130	1.67	30	
Methyl Acetate	6.22	1.0	µg/L	10.0	ND	**62.2**	*	70-130	2.61	30	MS-07A
Methyl tert-Butyl Ether (MTBE)	8.02	1.0	µg/L	10.0	ND	80.2		70-130	2.02	30	
Methyl Cyclohexane	9.41	1.0	µg/L	10.0	ND	94.1		70-130	3.86	30	
Methylene Chloride	9.05	5.0	µg/L	10.0	0.220	88.3		70-130	0.665	30	
4-Methyl-2-pentanone (MIBK)	80.2	10	µg/L	100	ND	80.2		70-130	4.49	30	
Naphthalene	5.33	2.0	µg/L	10.0	ND	**53.3**	*	70-130	0.00	30	MS-07A, V-05
n-Propylbenzene	8.47	1.0	µg/L	10.0	ND	84.7		70-130	0.471	30	
Styrene	7.92	1.0	µg/L	10.0	ND	79.2		70-130	0.252	30	
1,1,1,2-Tetrachloroethane	9.29	1.0	µg/L	10.0	ND	92.9		70-130	0.537	30	
1,1,2,2-Tetrachloroethane	8.58	0.50	µg/L	10.0	ND	85.8		70-130	1.16	30	
Tetrachloroethylene	10.2	1.0	µg/L	10.0	ND	102		70-130	0.974	30	
Tetrahydrofuran	8.15	10	µg/L	10.0	ND	81.5		70-130	2.23	30	J
Toluene	9.79	1.0	µg/L	10.0	ND	97.9		70-130	0.814	30	
1,2,3-Trichlorobenzene	7.13	5.0	µg/L	10.0	ND	71.3		70-130	0.140	30	
1,2,4-Trichlorobenzene	6.65	1.0	µg/L	10.0	ND	**66.5**	*	70-130	2.82	30	MS-07A, V-05
1,3,5-Trichlorobenzene	8.53	1.0	µg/L	10.0	ND	85.3		70-130	2.32	30	
1,1,1-Trichloroethane	26.1	1.0	µg/L	10.0	16.6	94.6		70-130	0.763	30	
1,1,2-Trichloroethane	9.32	1.0	µg/L	10.0	ND	93.2		70-130	1.28	30	
Trichloroethylene	10.9	1.0	µg/L	10.0	1.08	97.8		70-130	0.184	30	
Trichlorofluoromethane (Freon 11)	8.83	2.0	µg/L	10.0	ND	88.3		70-130	4.43	30	
1,2,3-Trichloropropane	9.84	2.0	µg/L	10.0	ND	98.4		70-130	4.08	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346727 - SW-846 5030B										
Matrix Spike Dup (B346727-MSD2)	**Source: 23G2119-14**			Prepared: 07/21/23 Analyzed: 07/22/23						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.82	1.0	µg/L	10.0	ND	88.2	70-130	8.05	30	
1,2,4-Trimethylbenzene	8.31	1.0	µg/L	10.0	ND	83.1	70-130	1.67	30	
1,3,5-Trimethylbenzene	8.63	1.0	µg/L	10.0	ND	86.3	70-130	0.348	30	
Vinyl Chloride	11.1	2.0	µg/L	10.0	ND	111	70-130	1.27	30	
m+p Xylene	17.6	2.0	µg/L	20.0	ND	88.2	70-130	0.113	20	
o-Xylene	8.26	1.0	µg/L	10.0	ND	82.6	70-130	1.10	30	
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.2	70-130			
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*22.4*		µg/L	25.0		89.8	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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23G2119

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager: See Pg. 1
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: Kthapa@eaest.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	24 H V VOCs 8260D	# of Containers	Preservation Code	Container Code
1	BEL-DPT-2-35	7/13/23	0838		✓	GW	U		2		
2	BEL-DPT-2-45	7/13/23	0915		✓	GW	U		2		
3	BEL-DPT-1-35	7/13/23	1120		✓	GW	U		2		
4	BEL-DPT-1-45	7/13/23	1150		✓	GW	U		2		
5	BEL-DPT-2-55	7/13/23	1000		✓	GW	U		2		
6	BEL-DPT-1-55	7/13/23	1230		✓	GW	U		2		
7	SAVE-DPT-1-40	7/13/23	1520		✓	GW	U		6		
8	SAVE-DPT-1-50	7/13/23	1620		✓	GW	U		2		
9	DPT-FB-4-13072023	7/13/23	1700		✓	W	C		2		
10	DPT-EQB-3-13072023	7/13/23	1705		✓	W	C		2		

ANALYSIS REQUESTED

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Comments: Use SAVE-DPT-1-40 for MS/MSD.

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = Water

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/14/23 1230	
Received by: (signature) 6.8°C (C)	Date/Time: 7/14/23 12:30	
Relinquished by: (signature) MSMA(AN)	Date/Time: 7/14 1816	
Received by: (signature) MSMA(AN)	Date/Time: 7/14 2130	
Relinquished by: (signature)	Date/Time: 7/14 2180	
Received by: (signature)	Date/Time: 7/15 0040	
	7/15 0330	

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

0°C 7-15-23 0930

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Pace Analytical®

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Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

1800 Elm Street SE
Minneapolis, MN 55414

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23G2119

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:
Address:
Phone:
Project Name:
Project Location:
Project Number:
Project Manager:
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

See pg. 1

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: K.thorpe@eaestrom
Fax To #:

ANALYSIS REQUESTED

VOCs 8260D

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers
11	DPT-DUP-2	7/13/23	—		✓	GW	U	2
12	CW-01-130723	7/13/23	1824		✓	GW	U	2
13	MW-DUP-1-13072023	7/13/23	—		✓	GW	U	2
14	FN-19-13072023	7/13/23	1656		✓	GW	U	6
15	VOC Trip Blank	6/26/23			✓	W	C	2
16								

Comments:
Use FN-19-13072023 for MS/MSD.
Client has indicated that the correct date and time for Sample-15 should be 7/10 @ 15:15.
KKS 7/18/23

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
W = water

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Relinquished by: (signature)	Date/Time: 7/14/23 1230	
Received by: (signature)	Date/Time: 7/14/23 12:30	6.8°C (W)
Relinquished by: (signature)	Date/Time: 7/14 18:16	
Received by: (signature)	Date/Time: 7/14 2130	
Relinquished by: (signature)	Date/Time: 7/14 2130	
Received by: (signature)	Date/Time: 7/15 0040	
	7/15 0330	

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA engineering

Project ss outdoor

MCP/RCP Required No

Deliverable Package Requirement No

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AMM 7/15/23 930

Back-Sheet By / Date / Time EE 7/15/23 2148

Temperature Method gun # 5

Temp < 6° C Actual Temperature 20

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Sample	Soils Jars (Circle Amb/Clear)				Ambers					Plastics										VOA Vials					Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter Unpreserved	1 Liter HCL	1 Liter Sulfuric	250mL Sulfuric	250mL Phosphoric	250mL HCl	100mL Unpreserved	1 Liter Unpreserved	1 Liter Sulfuric	500mL Unpreserved	500mL Sulfuric	250mL Unpreserved	250mL Trizma	250mL Sulfuric	250mL Nitric	250mL NaOH	250mL Ammonium Acetate	250mL NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact			
1																								2						
2																								2						
3																								2						
4																								2						
5																								2						
6																								2						
7																								6						
8																								2						
9																								2						
10																								2						
11																								2						
12																								2						
13																								2						
14																								6						
15																								2						
16																														
17																														
18																														
19																														
20																														

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August 4, 2023

Kritika Thapa
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Bayshore, NY
Client Job Number:
Project Number: C152228A
Laboratory Work Order Number: 23G2141

Enclosed are results of analyses for samples as received by the laboratory on July 15, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Kritika Thapa

REPORT DATE: 8/4/2023

PURCHASE ORDER NUMBER: 147379

PROJECT NUMBER: C152228A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23G2141

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bayshore, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5AVE-DPT-3-40	23G2141-01	Ground Water		Draft Method 1633	
5AVE-DPT-3-50	23G2141-02	Ground Water		Draft Method 1633	
5AVE-DPT-2-35	23G2141-03	Ground Water		Draft Method 1633	
5AVE-DPT-2-45	23G2141-04	Ground Water		Draft Method 1633	
DPT-FB-2-11072023	23G2141-05	Field Blank		Draft Method 1633	
DPT-EQB-2-11072023	23G2141-06	Ground Water		Draft Method 1633	
5AVE-DPT-1-40	23G2141-07	Ground Water		Draft Method 1633	
5AVE-DPT-1-50	23G2141-08	Ground Water		Draft Method 1633	
DPT-FB-4-13072023	23G2141-09	Field Blank		Draft Method 1633	
DPT-EQB-3-13072023	23G2141-10	Equipment Blank Water		Draft Method 1633	
DPT-DUP-2	23G2141-11	Ground Water		Draft Method 1633	

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CASE NARRATIVE SUMMARY

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

Draft Method 1633

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Total Suspended Solids

23G2141-01[5AVE-DPT-3-40], 23G2141-02[5AVE-DPT-3-50], 23G2141-03[5AVE-DPT-2-35], 23G2141-04[5AVE-DPT-2-45], 23G2141-07[5AVE-DPT-1-40], 23G2141-08[5AVE-DPT-1-50], 23G2141-11[DPT-DUP-2]

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



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2141-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoropentanoic acid (PFPeA)	ND	40	6.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorohexanoic acid (PFHxA)	ND	20	4.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoroheptanoic acid (PFHpA)	ND	20	5.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorooctanoic acid (PFOA)	10	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorohexanesulfonic acid (PFHxS)	4.3	20	4.1	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorooctanesulfonic acid (PFOS)	18	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-EtFOSAA (NEtFOSAA)	ND	20	4.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2141-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 18:49	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	83.8	10-130		7/28/23 18:49
13C5-PFPeA	81.5	35-150		7/28/23 18:49
13C5-PFHxA	83.5	55-150		7/28/23 18:49
13C4-PFHpA	82.0	55-150		7/28/23 18:49
13C8-PFOA	82.4	60-140		7/28/23 18:49
13C9-PFNA	83.5	55-140		7/28/23 18:49
13C6-PFDA	83.7	50-140		7/28/23 18:49
13C7-PFUnA	86.9	30-140		7/28/23 18:49
13C2-PFDoA	80.1	10-150		7/28/23 18:49
13C2-PFTeDA	78.1	10-130		7/28/23 18:49
13C3-PFBS	82.8	55-150		7/28/23 18:49
13C3-PFHxS	83.9	55-150		7/28/23 18:49
13C8-PFOS	84.4	45-140		7/28/23 18:49
13C2-4:2FTS	69.5	60-200		7/28/23 18:49
13C2-6:2FTS	74.8	60-200		7/28/23 18:49
13C2-8:2FTS	72.7	50-200		7/28/23 18:49
13C8-PFOSA	77.1	30-130		7/28/23 18:49
D3-NMeFOSA	60.5	15-130		7/28/23 18:49
D5-NEtFOSA	61.6	10-130		7/28/23 18:49
D3-NMeFOSAA	83.9	45-200		7/28/23 18:49
D5-NEtFOSAA	78.2	10-200		7/28/23 18:49
D7-NMeFOSE	74.1	10-150		7/28/23 18:49
D9-NEtFOSE	72.5	10-150		7/28/23 18:49
13C3-HFPO-DA	85.2	25-160		7/28/23 18:49

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-40 | Sampled: 7/11/2023 12:45

Sample ID: 23G2141-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1700	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2141-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	200	73	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoropentanoic acid (PFPeA)	20	100	17	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorohexanoic acid (PFHxA)	12	50	11	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoroheptanoic acid (PFHpA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorooctanoic acid (PFOA)	31	50	11	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorononanoic acid (PFNA)	ND	50	9.6	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorodecanoic acid (PFDA)	ND	50	9.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoroundecanoic acid (PFUnA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorododecanoic acid (PFDoA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	50	12	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	50	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorooctanesulfonic acid (PFOS)	23	50	16	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorononanesulfonic acid (PFNS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	50	16	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	200	35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	200	54	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	50	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-MeFOSAA (NMeFOSAA)	ND	50	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-EtFOSAA (NEtFOSAA)	ND	50	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	500	130	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	500	120	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	200	52	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	200	34	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
9Cl-PF3ONS (F53B Minor)	ND	200	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
11Cl-PF3OUdS (F53B Major)	ND	200	48	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	500	90	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	2500	510	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	2500	440	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	100	24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	100	25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2141-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	100	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	100	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:05	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	85.3	10-130		7/28/23 19:05
13C5-PFPeA	82.6	35-150		7/28/23 19:05
13C5-PFHxA	82.7	55-150		7/28/23 19:05
13C4-PFHpA	82.3	55-150		7/28/23 19:05
13C8-PFOA	85.6	60-140		7/28/23 19:05
13C9-PFNA	80.6	55-140		7/28/23 19:05
13C6-PFDA	88.7	50-140		7/28/23 19:05
13C7-PFUnA	87.1	30-140		7/28/23 19:05
13C2-PFDoA	81.9	10-150		7/28/23 19:05
13C2-PFTeDA	80.3	10-130		7/28/23 19:05
13C3-PFBS	85.5	55-150		7/28/23 19:05
13C3-PFHxS	87.9	55-150		7/28/23 19:05
13C8-PFOS	83.4	45-140		7/28/23 19:05
13C2-4:2FTS	69.9	60-200		7/28/23 19:05
13C2-6:2FTS	82.5	60-200		7/28/23 19:05
13C2-8:2FTS	78.5	50-200		7/28/23 19:05
13C8-PFOSA	76.5	30-130		7/28/23 19:05
D3-NMeFOSA	58.2	15-130		7/28/23 19:05
D5-NEtFOSA	59.9	10-130		7/28/23 19:05
D3-NMeFOSAA	81.7	45-200		7/28/23 19:05
D5-NEtFOSAA	80.6	10-200		7/28/23 19:05
D7-NMeFOSE	73.5	10-150		7/28/23 19:05
D9-NEtFOSE	73.2	10-150		7/28/23 19:05
13C3-HFPO-DA	83.3	25-160		7/28/23 19:05

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-3-50 | Sampled: 7/11/2023 13:35

Sample ID: 23G2141-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	3200	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2141-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoropentanoic acid (PFPeA)	7.7	40	6.9	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorohexanoic acid (PFHxA)	ND	20	4.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoroheptanoic acid (PFHpA)	ND	20	5.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorooctanoic acid (PFOA)	5.1	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	20	4.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorooctanesulfonic acid (PFOS)	19	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-EtFOSAA (NEtFOSAA)	ND	20	4.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2141-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:20	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	96.2	10-130		7/28/23 19:20
13C5-PFPeA	96.5	35-150		7/28/23 19:20
13C5-PFHxA	95.4	55-150		7/28/23 19:20
13C4-PFHpA	94.1	55-150		7/28/23 19:20
13C8-PFOA	91.4	60-140		7/28/23 19:20
13C9-PFNA	95.1	55-140		7/28/23 19:20
13C6-PFDA	101	50-140		7/28/23 19:20
13C7-PFUnA	102	30-140		7/28/23 19:20
13C2-PFDoA	97.3	10-150		7/28/23 19:20
13C2-PFTeDA	96.3	10-130		7/28/23 19:20
13C3-PFBS	94.6	55-150		7/28/23 19:20
13C3-PFHxS	97.0	55-150		7/28/23 19:20
13C8-PFOS	96.4	45-140		7/28/23 19:20
13C2-4:2FTS	77.7	60-200		7/28/23 19:20
13C2-6:2FTS	93.2	60-200		7/28/23 19:20
13C2-8:2FTS	87.4	50-200		7/28/23 19:20
13C8-PFOSA	88.4	30-130		7/28/23 19:20
D3-NMeFOSA	75.0	15-130		7/28/23 19:20
D5-NEtFOSA	75.0	10-130		7/28/23 19:20
D3-NMeFOSAA	94.1	45-200		7/28/23 19:20
D5-NEtFOSAA	93.2	10-200		7/28/23 19:20
D7-NMeFOSE	87.2	10-150		7/28/23 19:20
D9-NEtFOSE	84.3	10-150		7/28/23 19:20
13C3-HFPO-DA	98.8	25-160		7/28/23 19:20

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-35 | Sampled: 7/11/2023 16:30

Sample ID: 23G2141-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1400	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2141-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	200	73	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoropentanoic acid (PFPeA)	ND	100	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorohexanoic acid (PFHxA)	ND	50	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoroheptanoic acid (PFHpA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorooctanoic acid (PFOA)	15	50	11	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorononanoic acid (PFNA)	ND	50	9.6	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorodecanoic acid (PFDA)	ND	50	9.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoroundecanoic acid (PFUnA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorododecanoic acid (PFDoA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	50	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	50	12	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	50	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorooctanesulfonic acid (PFOS)	17	50	16	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorononanesulfonic acid (PFNS)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	50	16	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	50	13	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	200	35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	200	54	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	50	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	50	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-MeFOSAA (NMeFOSAA)	ND	50	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-EtFOSAA (NEtFOSAA)	ND	50	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	500	130	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	500	120	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	200	52	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	200	34	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
9Cl-PF3ONS (F53B Minor)	ND	200	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
11Cl-PF3OUdS (F53B Major)	ND	200	48	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	500	90	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	2500	510	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	2500	440	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	100	24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	100	25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2141-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	100	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	100	43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:36	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	80.3	10-130		7/28/23 19:36
13C5-PFPeA	79.2	35-150		7/28/23 19:36
13C5-PFHxA	79.1	55-150		7/28/23 19:36
13C4-PFHpA	76.8	55-150		7/28/23 19:36
13C8-PFOA	76.1	60-140		7/28/23 19:36
13C9-PFNA	78.0	55-140		7/28/23 19:36
13C6-PFDA	76.1	50-140		7/28/23 19:36
13C7-PFUnA	74.8	30-140		7/28/23 19:36
13C2-PFDoA	70.7	10-150		7/28/23 19:36
13C2-PFTeDA	68.6	10-130		7/28/23 19:36
13C3-PFBS	80.6	55-150		7/28/23 19:36
13C3-PFHxS	77.8	55-150		7/28/23 19:36
13C8-PFOS	76.4	45-140		7/28/23 19:36
13C2-4:2FTS	64.5	60-200		7/28/23 19:36
13C2-6:2FTS	78.2	60-200		7/28/23 19:36
13C2-8:2FTS	74.7	50-200		7/28/23 19:36
13C8-PFOSA	69.0	30-130		7/28/23 19:36
D3-NMeFOSA	58.6	15-130		7/28/23 19:36
D5-NEtFOSA	61.8	10-130		7/28/23 19:36
D3-NMeFOSAA	72.8	45-200		7/28/23 19:36
D5-NEtFOSAA	69.2	10-200		7/28/23 19:36
D7-NMeFOSE	69.6	10-150		7/28/23 19:36
D9-NEtFOSE	66.4	10-150		7/28/23 19:36
13C3-HFPO-DA	83.5	25-160		7/28/23 19:36

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-2-45 | Sampled: 7/11/2023 17:05

Sample ID: 23G2141-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	5200	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2141-05

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.1	1.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.1	0.71	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.1	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.42	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.45	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	0.70	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.1	0.87	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.1	0.99	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	51	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	51	9.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.51	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2141-05

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.41	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.88	ng/L	1		Draft Method 1633	7/27/23	7/28/23 19:52	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	90.1	10-130		7/28/23 19:52
13C5-PFPeA	90.4	35-150		7/28/23 19:52
13C5-PFHxA	91.4	55-150		7/28/23 19:52
13C4-PFHpA	87.3	55-150		7/28/23 19:52
13C8-PFOA	87.2	60-140		7/28/23 19:52
13C9-PFNA	90.8	55-140		7/28/23 19:52
13C6-PFDA	89.0	50-140		7/28/23 19:52
13C7-PFUnA	85.8	30-140		7/28/23 19:52
13C2-PFDoA	85.9	10-150		7/28/23 19:52
13C2-PFTeDA	82.8	10-130		7/28/23 19:52
13C3-PFBS	91.8	55-150		7/28/23 19:52
13C3-PFHxS	91.0	55-150		7/28/23 19:52
13C8-PFOS	93.6	45-140		7/28/23 19:52
13C2-4:2FTS	73.5	60-200		7/28/23 19:52
13C2-6:2FTS	91.9	60-200		7/28/23 19:52
13C2-8:2FTS	89.1	50-200		7/28/23 19:52
13C8-PFOSA	81.1	30-130		7/28/23 19:52
D3-NMeFOSA	61.7	15-130		7/28/23 19:52
D5-NEtFOSA	66.5	10-130		7/28/23 19:52
D3-NMeFOSAA	91.2	45-200		7/28/23 19:52
D5-NEtFOSAA	87.3	10-200		7/28/23 19:52
D7-NMeFOSE	77.6	10-150		7/28/23 19:52
D9-NEtFOSE	75.0	10-150		7/28/23 19:52
13C3-HFPO-DA	94.0	25-160		7/28/23 19:52

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-2-11072023 | Sampled: 7/11/2023 17:45

Sample ID: 23G2141-05

Sample Matrix: Field Blank

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2141-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.8	1.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.95	0.20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.95	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorooctanoic acid (PFOA)	ND	0.95	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorononanoic acid (PFNA)	ND	0.95	0.18	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorodecanoic acid (PFDA)	ND	0.95	0.18	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.95	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.95	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.95	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.95	0.20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.95	0.29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.95	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.66	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	0.94	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.95	0.29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.95	0.39	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	0.29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.95	0.42	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.95	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.5	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	2.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.99	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.65	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.81	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	0.92	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	1.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	9.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	48	8.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.47	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2141-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.38	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.82	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:07	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	87.3	10-130		7/28/23 20:07
13C5-PFPeA	87.1	35-150		7/28/23 20:07
13C5-PFHxA	85.9	55-150		7/28/23 20:07
13C4-PFHpA	82.7	55-150		7/28/23 20:07
13C8-PFOA	82.0	60-140		7/28/23 20:07
13C9-PFNA	86.2	55-140		7/28/23 20:07
13C6-PFDA	84.7	50-140		7/28/23 20:07
13C7-PFUnA	84.6	30-140		7/28/23 20:07
13C2-PFDoA	80.9	10-150		7/28/23 20:07
13C2-PFTeDA	78.6	10-130		7/28/23 20:07
13C3-PFBS	85.3	55-150		7/28/23 20:07
13C3-PFHxS	86.8	55-150		7/28/23 20:07
13C8-PFOS	85.0	45-140		7/28/23 20:07
13C2-4:2FTS	69.1	60-200		7/28/23 20:07
13C2-6:2FTS	85.0	60-200		7/28/23 20:07
13C2-8:2FTS	80.7	50-200		7/28/23 20:07
13C8-PFOSA	73.8	30-130		7/28/23 20:07
D3-NMeFOSA	60.8	15-130		7/28/23 20:07
D5-NEtFOSA	62.6	10-130		7/28/23 20:07
D3-NMeFOSAA	83.3	45-200		7/28/23 20:07
D5-NEtFOSAA	79.9	10-200		7/28/23 20:07
D7-NMeFOSE	72.6	10-150		7/28/23 20:07
D9-NEtFOSE	71.3	10-150		7/28/23 20:07
13C3-HFPO-DA	87.2	25-160		7/28/23 20:07

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-2-11072023 | Sampled: 7/11/2023 17:50

Sample ID: 23G2141-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2141-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	42	15	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoropentanoic acid (PFPeA)	14	21	3.7	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorohexanoic acid (PFHxA)	13	11	2.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoroheptanoic acid (PFHpA)	7.7	11	2.7	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorooctanoic acid (PFOA)	22	11	2.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorononanoic acid (PFNA)	ND	11	2.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorodecanoic acid (PFDA)	2.4	11	2.0	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoroundecanoic acid (PFUnA)	ND	11	2.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorododecanoic acid (PFDoA)	ND	11	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	11	2.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	11	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorobutanesulfonic acid (PFBS)	3.5	11	2.8	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	11	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.2	11	2.2	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	11	3.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorooctanesulfonic acid (PFOS)	53	11	3.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorononanesulfonic acid (PFNS)	ND	11	3.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	11	3.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	11	2.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	42	7.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	42	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	42	12	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	11	3.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	11	4.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	11	3.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-MeFOSAA (NMeFOSAA)	ND	11	4.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-EtFOSAA (NEtFOSAA)	10	11	2.3	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	110	28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	110	26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	42	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	42	7.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
9Cl-PF3ONS (F53B Minor)	ND	42	9.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
11Cl-PF3OUdS (F53B Major)	ND	42	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	110	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	530	110	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	530	93	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	21	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	21	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2141-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	21	4.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	21	9.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:23	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	86.9	10-130		7/28/23 20:23
13C5-PFPeA	88.6	35-150		7/28/23 20:23
13C5-PFHxA	88.0	55-150		7/28/23 20:23
13C4-PFHpA	84.6	55-150		7/28/23 20:23
13C8-PFOA	85.6	60-140		7/28/23 20:23
13C9-PFNA	84.7	55-140		7/28/23 20:23
13C6-PFDA	82.5	50-140		7/28/23 20:23
13C7-PFUnA	84.3	30-140		7/28/23 20:23
13C2-PFDoA	82.0	10-150		7/28/23 20:23
13C2-PFTeDA	75.8	10-130		7/28/23 20:23
13C3-PFBS	84.6	55-150		7/28/23 20:23
13C3-PFHxS	88.5	55-150		7/28/23 20:23
13C8-PFOS	86.9	45-140		7/28/23 20:23
13C2-4:2FTS	70.7	60-200		7/28/23 20:23
13C2-6:2FTS	81.3	60-200		7/28/23 20:23
13C2-8:2FTS	78.6	50-200		7/28/23 20:23
13C8-PFOSA	78.1	30-130		7/28/23 20:23
D3-NMeFOSA	63.9	15-130		7/28/23 20:23
D5-NEtFOSA	66.5	10-130		7/28/23 20:23
D3-NMeFOSAA	87.1	45-200		7/28/23 20:23
D5-NEtFOSAA	81.2	10-200		7/28/23 20:23
D7-NMeFOSE	74.0	10-150		7/28/23 20:23
D9-NEtFOSE	72.2	10-150		7/28/23 20:23
13C3-HFPO-DA	92.1	25-160		7/28/23 20:23

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-40 | Sampled: 7/13/2023 15:20

Sample ID: 23G2141-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	700	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2141-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoropentanoic acid (PFPeA)	16	40	6.9	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorohexanoic acid (PFHxA)	13	20	4.3	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoroheptanoic acid (PFHpA)	6.2	20	5.1	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorooctanoic acid (PFOA)	20	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorobutanesulfonic acid (PFBS)	15	20	5.2	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	20	4.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorooctanesulfonic acid (PFOS)	17	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-EtFOSAA (NEtFOSAA)	6.7	20	4.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2141-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:38	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	81.1	10-130		7/28/23 20:38
13C5-PFPeA	81.1	35-150		7/28/23 20:38
13C5-PFHxA	80.3	55-150		7/28/23 20:38
13C4-PFHpA	77.2	55-150		7/28/23 20:38
13C8-PFOA	79.8	60-140		7/28/23 20:38
13C9-PFNA	78.2	55-140		7/28/23 20:38
13C6-PFDA	78.8	50-140		7/28/23 20:38
13C7-PFUnA	79.1	30-140		7/28/23 20:38
13C2-PFDoA	75.1	10-150		7/28/23 20:38
13C2-PFTeDA	80.7	10-130		7/28/23 20:38
13C3-PFBS	79.4	55-150		7/28/23 20:38
13C3-PFHxS	80.7	55-150		7/28/23 20:38
13C8-PFOS	82.0	45-140		7/28/23 20:38
13C2-4:2FTS	65.4	60-200		7/28/23 20:38
13C2-6:2FTS	80.3	60-200		7/28/23 20:38
13C2-8:2FTS	80.2	50-200		7/28/23 20:38
13C8-PFOSA	73.0	30-130		7/28/23 20:38
D3-NMeFOSA	57.3	15-130		7/28/23 20:38
D5-NEtFOSA	61.4	10-130		7/28/23 20:38
D3-NMeFOSAA	79.4	45-200		7/28/23 20:38
D5-NEtFOSAA	75.3	10-200		7/28/23 20:38
D7-NMeFOSE	71.8	10-150		7/28/23 20:38
D9-NEtFOSE	69.5	10-150		7/28/23 20:38
13C3-HFPO-DA	81.5	25-160		7/28/23 20:38

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: 5AVE-DPT-1-50 | Sampled: 7/13/2023 16:20

Sample ID: 23G2141-08

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1300	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2141-09

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.1	1.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.1	0.36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.33	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.1	0.72	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.1	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.43	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.45	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	0.71	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.1	0.88	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.1	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	52	11	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	52	9.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.1	0.51	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2141-09

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.1	0.41	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.89	ng/L	1		Draft Method 1633	7/27/23	7/28/23 20:54	AMS

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
13C4-PFBA	68.3		10-130		7/28/23 20:54
13C5-PFPeA	67.4		35-150		7/28/23 20:54
13C5-PFHxA	67.6		55-150		7/28/23 20:54
13C4-PFHpA	65.4		55-150		7/28/23 20:54
13C8-PFOA	67.4		60-140		7/28/23 20:54
13C9-PFNA	70.1		55-140		7/28/23 20:54
13C6-PFDA	70.1		50-140		7/28/23 20:54
13C7-PFUnA	70.8		30-140		7/28/23 20:54
13C2-PFDoA	68.5		10-150		7/28/23 20:54
13C2-PFTeDA	65.5		10-130		7/28/23 20:54
13C3-PFBS	65.1		55-150		7/28/23 20:54
13C3-PFHxS	65.7		55-150		7/28/23 20:54
13C8-PFOS	67.5		45-140		7/28/23 20:54
13C2-4:2FTS	**56.2**	*	60-200		7/28/23 20:54
13C2-6:2FTS	71.5		60-200		7/28/23 20:54
13C2-8:2FTS	71.6		50-200		7/28/23 20:54
13C8-PFOSA	62.4		30-130		7/28/23 20:54
D3-NMeFOSA	49.8		15-130		7/28/23 20:54
D5-NEtFOSA	51.1		10-130		7/28/23 20:54
D3-NMeFOSAA	69.6		45-200		7/28/23 20:54
D5-NEtFOSAA	66.1		10-200		7/28/23 20:54
D7-NMeFOSE	58.2		10-150		7/28/23 20:54
D9-NEtFOSE	58.9		10-150		7/28/23 20:54
13C3-HFPO-DA	71.6		25-160		7/28/23 20:54

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-FB-4-13072023 | Sampled: 7/13/2023 17:00

Sample ID: 23G2141-09

Sample Matrix: Field Blank

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2141-10

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.0	1.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.35	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.23	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.24	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.32	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	0.70	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	1.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.0	0.42	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.45	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	1.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	0.69	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.0	0.86	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.0	0.98	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	1.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	51	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	51	8.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.50	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2141-10

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.41	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.88	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:41	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	97.6	10-130		7/28/23 21:41
13C5-PFPeA	101	35-150		7/28/23 21:41
13C5-PFHxA	99.4	55-150		7/28/23 21:41
13C4-PFHpA	96.9	55-150		7/28/23 21:41
13C8-PFOA	93.9	60-140		7/28/23 21:41
13C9-PFNA	101	55-140		7/28/23 21:41
13C6-PFDA	99.9	50-140		7/28/23 21:41
13C7-PFUnA	97.1	30-140		7/28/23 21:41
13C2-PFDoA	96.8	10-150		7/28/23 21:41
13C2-PFTeDA	93.5	10-130		7/28/23 21:41
13C3-PFBS	98.2	55-150		7/28/23 21:41
13C3-PFHxS	97.4	55-150		7/28/23 21:41
13C8-PFOS	97.1	45-140		7/28/23 21:41
13C2-4:2FTS	79.0	60-200		7/28/23 21:41
13C2-6:2FTS	100	60-200		7/28/23 21:41
13C2-8:2FTS	99.4	50-200		7/28/23 21:41
13C8-PFOSA	88.0	30-130		7/28/23 21:41
D3-NMeFOSA	73.3	15-130		7/28/23 21:41
D5-NEtFOSA	77.4	10-130		7/28/23 21:41
D3-NMeFOSAA	96.7	45-200		7/28/23 21:41
D5-NEtFOSAA	96.1	10-200		7/28/23 21:41
D7-NMeFOSE	84.4	10-150		7/28/23 21:41
D9-NEtFOSE	81.6	10-150		7/28/23 21:41
13C3-HFPO-DA	104	25-160		7/28/23 21:41

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-EQB-3-13072023 | Sampled: 7/13/2023 17:05

Sample ID: 23G2141-10

Sample Matrix: Equipment Blank Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	7/18/23	7/18/23 12:53	LL

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2141-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	80	29	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoropentanoic acid (PFPeA)	18	40	6.9	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorohexanoic acid (PFHxA)	11	20	4.3	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoroheptanoic acid (PFHpA)	7.0	20	5.1	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorooctanoic acid (PFOA)	18	20	4.5	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorononanoic acid (PFNA)	ND	20	3.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorodecanoic acid (PFDA)	ND	20	3.7	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoroundecanoic acid (PFUnA)	ND	20	5.5	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorododecanoic acid (PFDoA)	ND	20	5.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	20	5.4	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	20	5.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorobutanesulfonic acid (PFBS)	13	20	5.2	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	20	4.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	20	4.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorooctanesulfonic acid (PFOS)	20	20	6.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorononanesulfonic acid (PFNS)	ND	20	5.9	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	20	6.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	20	5.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	80	20	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	80	22	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	20	6.1	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	20	8.3	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	20	6.2	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-MeFOSAA (NMeFOSAA)	ND	20	8.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-EtFOSAA (NEtFOSAA)	7.4	20	4.4	ng/L	1	J	Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	200	53	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	200	49	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	80	21	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	80	14	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
9Cl-PF3ONS (F53B Minor)	ND	80	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
11Cl-PF3OUdS (F53B Major)	ND	80	19	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	200	36	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	1000	200	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	1000	180	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	40	9.8	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	40	10	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS

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Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2141-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	40	8.0	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	40	17	ng/L	1		Draft Method 1633	7/27/23	7/28/23 21:57	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	89.0	10-130		7/28/23 21:57
13C5-PFPeA	88.4	35-150		7/28/23 21:57
13C5-PFHxA	89.5	55-150		7/28/23 21:57
13C4-PFHpA	83.8	55-150		7/28/23 21:57
13C8-PFOA	86.1	60-140		7/28/23 21:57
13C9-PFNA	86.1	55-140		7/28/23 21:57
13C6-PFDA	84.1	50-140		7/28/23 21:57
13C7-PFUnA	84.0	30-140		7/28/23 21:57
13C2-PFDoA	81.7	10-150		7/28/23 21:57
13C2-PFTeDA	80.3	10-130		7/28/23 21:57
13C3-PFBS	89.4	55-150		7/28/23 21:57
13C3-PFHxS	87.9	55-150		7/28/23 21:57
13C8-PFOS	88.0	45-140		7/28/23 21:57
13C2-4:2FTS	72.0	60-200		7/28/23 21:57
13C2-6:2FTS	88.0	60-200		7/28/23 21:57
13C2-8:2FTS	81.9	50-200		7/28/23 21:57
13C8-PFOSA	77.4	30-130		7/28/23 21:57
D3-NMeFOSA	64.5	15-130		7/28/23 21:57
D5-NEtFOSA	66.9	10-130		7/28/23 21:57
D3-NMeFOSAA	85.1	45-200		7/28/23 21:57
D5-NEtFOSAA	82.2	10-200		7/28/23 21:57
D7-NMeFOSE	76.8	10-150		7/28/23 21:57
D9-NEtFOSE	74.8	10-150		7/28/23 21:57
13C3-HFPO-DA	92.1	25-160		7/28/23 21:57

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

Project Location: Bayshore, NY | Sample Description: | Work Order: 23G2141

Date Received: 7/15/2023

Field Sample #: DPT-DUP-2 | Sampled: 7/13/2023 00:00

Sample ID: 23G2141-11

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1100	10	mg/L	1	H-01	Draft Method 1633	7/20/23	7/24/23 11:50	RRB

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Sample Extraction Data

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2141-05 [DPT-FB-2-11072023]	B346281	50.0	07/18/23
23G2141-06 [DPT-EQB-2-11072023]	B346281	50.0	07/18/23
23G2141-09 [DPT-FB-4-13072023]	B346281	50.0	07/18/23
23G2141-10 [DPT-EQB-3-13072023]	B346281	50.0	07/18/23

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
23G2141-01 [5AVE-DPT-3-40]	B346639	50.0	07/20/23
23G2141-02 [5AVE-DPT-3-50]	B346639	50.0	07/20/23
23G2141-03 [5AVE-DPT-2-35]	B346639	50.0	07/20/23
23G2141-04 [5AVE-DPT-2-45]	B346639	50.0	07/20/23
23G2141-07 [5AVE-DPT-1-40]	B346639	50.0	07/20/23
23G2141-08 [5AVE-DPT-1-50]	B346639	50.0	07/20/23
23G2141-11 [DPT-DUP-2]	B346639	50.0	07/20/23

Prep Method:Draft Method 1633 **Analytical Method:Draft Method 1633** **Leachates were extracted on 7/20/2023 per NO PREP in Batch B346639**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23G2141-01 [5AVE-DPT-3-40]	B346881	25.0	5.00	07/27/23
23G2141-02 [5AVE-DPT-3-50]	B346881	10.0	5.00	07/27/23
23G2141-03 [5AVE-DPT-2-35]	B346881	25.0	5.00	07/27/23
23G2141-04 [5AVE-DPT-2-45]	B346881	10.0	5.00	07/27/23
23G2141-05 [DPT-FB-2-11072023]	B346881	491	5.00	07/27/23
23G2141-06 [DPT-EQB-2-11072023]	B346881	526	5.00	07/27/23
23G2141-07 [5AVE-DPT-1-40]	B346881	47.1	5.00	07/27/23
23G2141-08 [5AVE-DPT-1-50]	B346881	25.0	5.00	07/27/23
23G2141-09 [DPT-FB-4-13072023]	B346881	485	5.00	07/27/23
23G2141-10 [DPT-EQB-3-13072023]	B346881	495	5.00	07/27/23
23G2141-11 [DPT-DUP-2]	B346881	25.0	5.00	07/27/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Blank (B346881-BLK1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	ND	3.9	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.98	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.98	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.98	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.98	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.98	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.98	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.98	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.98	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.98	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.98	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.98	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.98	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.98	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.98	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.98	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.98	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.98	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.98	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.98	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.98	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.98	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.98	ng/L							
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.8	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	3.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	3.9	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.8	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	*83.9*		ng/L	97.9		85.7	10-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Blank (B346881-BLK1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Surrogate: 13C5-PFPeA	*42.6*		ng/L	49.0		87.0	35-150			
Surrogate: 13C5-PFHxA	*21.5*		ng/L	24.5		87.7	55-150			
Surrogate: 13C4-PFHpA	*20.8*		ng/L	24.5		85.0	55-150			
Surrogate: 13C8-PFOA	*20.2*		ng/L	24.5		82.6	60-140			
Surrogate: 13C9-PFNA	*10.6*		ng/L	12.2		86.4	55-140			
Surrogate: 13C6-PFDA	*10.3*		ng/L	12.2		84.2	50-140			
Surrogate: 13C7-PFUnA	*10.1*		ng/L	12.2		82.9	30-140			
Surrogate: 13C2-PFDoA	*9.69*		ng/L	12.2		79.2	10-150			
Surrogate: 13C2-PFTeDA	*9.31*		ng/L	12.2		76.1	10-130			
Surrogate: 13C3-PFBS	*21.5*		ng/L	24.5		87.8	55-150			
Surrogate: 13C3-PFHxS	*21.3*		ng/L	24.5		86.9	55-150			
Surrogate: 13C8-PFOS	*20.2*		ng/L	24.5		82.6	45-140			
Surrogate: 13C2-4:2FTS	*33.5*		ng/L	49.0		68.5	60-200			
Surrogate: 13C2-6:2FTS	*41.7*		ng/L	49.0		85.1	60-200			
Surrogate: 13C2-8:2FTS	*40.4*		ng/L	49.0		82.6	50-200			
Surrogate: 13C8-PFOSA	*18.5*		ng/L	24.5		75.4	30-130			
Surrogate: D3-NMeFOSA	*13.3*		ng/L	24.5		54.5	15-130			
Surrogate: D5-NEtFOSA	*13.8*		ng/L	24.5		56.2	10-130			
Surrogate: D3-NMeFOSAA	*40.5*		ng/L	49.0		82.8	45-200			
Surrogate: D5-NEtFOSAA	*39.5*		ng/L	49.0		80.7	10-200			
Surrogate: D7-NMeFOSE	*176*		ng/L	245		71.9	10-150			
Surrogate: D9-NEtFOSE	*168*		ng/L	245		68.7	10-150			
Surrogate: 13C3-HFPO-DA	*86.8*		ng/L	97.9		88.6	25-160			
LCS (B346881-BS1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	99.6	3.9	ng/L	94.0		106	58-148			
Perfluoropentanoic acid (PFPeA)	48.2	2.0	ng/L	47.0		102	54-152			
Perfluorohexanoic acid (PFHxA)	24.3	0.98	ng/L	23.5		103	55-152			
Perfluoroheptanoic acid (PFHpA)	24.0	0.98	ng/L	23.5		102	54-154			
Perfluorooctanoic acid (PFOA)	24.8	0.98	ng/L	23.5		105	52-161			
Perfluorononanoic acid (PFNA)	23.7	0.98	ng/L	23.5		101	59-149			
Perfluorodecanoic acid (PFDA)	24.2	0.98	ng/L	23.5		103	52-147			
Perfluoroundecanoic acid (PFUnA)	24.2	0.98	ng/L	23.5		103	48-159			
Perfluorododecanoic acid (PFDoA)	24.4	0.98	ng/L	23.5		104	64-142			
Perfluorotridecanoic acid (PFTrDA)	24.4	0.98	ng/L	23.5		104	49-148			
Perfluorotetradecanoic acid (PFTeDA)	24.8	0.98	ng/L	23.5		105	47-161			
Perfluorobutanesulfonic acid (PFBS)	21.5	0.98	ng/L	20.9		103	62-144			
Perfluoropentanesulfonic acid (PFPeS)	23.6	0.98	ng/L	22.1		107	59-151			
Perfluorohexanesulfonic acid (PFHxS)	22.4	0.98	ng/L	21.5		104	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	23.8	0.98	ng/L	22.4		106	55-152			
Perfluorooctanesulfonic acid (PFOS)	21.5	0.98	ng/L	21.8		98.7	58-149			
Perfluorononanesulfonic acid (PFNS)	23.6	0.98	ng/L	22.6		104	52-148			
Perfluorodecanesulfonic acid (PFDS)	23.0	0.98	ng/L	22.7		101	51-147			
Perfluorododecanesulfonic acid (PFDoS)	22.8	0.98	ng/L	22.8		99.9	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	92.2	3.9	ng/L	88.1		105	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	92.2	3.9	ng/L	89.3		103	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	93.4	3.9	ng/L	90.5		103	63-152			
Perfluorooctanesulfonamide (PFOSA)	23.9	0.98	ng/L	23.5		102	61-148			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	21.9	0.98	ng/L	23.5		93.3	63-145			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
LCS (B346881-BS1)				Prepared: 07/27/23 Analyzed: 07/28/23						
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	22.0	0.98	ng/L	23.5		93.4	65-139			
N-MeFOSAA (NMeFOSAA)	24.1	0.98	ng/L	23.5		102	58-144			
N-EtFOSAA (NEtFOSAA)	24.6	0.98	ng/L	23.5		105	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	246	9.8	ng/L	235		105	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	249	9.8	ng/L	235		106	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	93.4	3.9	ng/L	94.0		99.4	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	83.4	3.9	ng/L	88.7		94.0	68-146			
9Cl-PF3ONS (F53B Minor)	86.3	3.9	ng/L	88.1		97.9	56-156			
11Cl-PF3OUdS (F53B Major)	82.7	3.9	ng/L	88.7		93.2	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	192	9.8	ng/L	235		81.7	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1040	49	ng/L	1180		88.7	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	973	49	ng/L	1180		82.8	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	41.7	2.0	ng/L	41.8		99.6	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.6	2.0	ng/L	47.0		92.8	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	45.2	2.0	ng/L	47.0		96.1	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	47.5	2.0	ng/L	47.0		101	48-161			
Surrogate: 13C4-PFBA	*86.8*		ng/L	97.9		88.6	10-130			
Surrogate: 13C5-PFPeA	*43.3*		ng/L	49.0		88.4	35-150			
Surrogate: 13C5-PFHxA	*21.6*		ng/L	24.5		88.2	55-150			
Surrogate: 13C4-PFHpA	*21.3*		ng/L	24.5		86.8	55-150			
Surrogate: 13C8-PFOA	*21.5*		ng/L	24.5		87.9	60-140			
Surrogate: 13C9-PFNA	*10.9*		ng/L	12.2		88.9	55-140			
Surrogate: 13C6-PFDA	*10.8*		ng/L	12.2		88.2	50-140			
Surrogate: 13C7-PFUnA	*10.3*		ng/L	12.2		83.7	30-140			
Surrogate: 13C2-PFDoA	*10.2*		ng/L	12.2		83.0	10-150			
Surrogate: 13C2-PFTeDA	*10.0*		ng/L	12.2		81.9	10-130			
Surrogate: 13C3-PFBS	*21.6*		ng/L	24.5		88.3	55-150			
Surrogate: 13C3-PFHxS	*20.9*		ng/L	24.5		85.4	55-150			
Surrogate: 13C8-PFOS	*20.9*		ng/L	24.5		85.4	45-140			
Surrogate: 13C2-4:2FTS	*37.4*		ng/L	49.0		76.4	60-200			
Surrogate: 13C2-6:2FTS	*45.3*		ng/L	49.0		92.5	60-200			
Surrogate: 13C2-8:2FTS	*43.3*		ng/L	49.0		88.5	50-200			
Surrogate: 13C8-PFOSA	*19.5*		ng/L	24.5		79.7	30-130			
Surrogate: D3-NMeFOSA	*16.8*		ng/L	24.5		68.5	15-130			
Surrogate: D5-NEtFOSA	*17.4*		ng/L	24.5		71.0	10-130			
Surrogate: D3-NMeFOSAA	*42.1*		ng/L	49.0		85.9	45-200			
Surrogate: D5-NEtFOSAA	*41.1*		ng/L	49.0		84.0	10-200			
Surrogate: D7-NMeFOSE	*192*		ng/L	245		78.2	10-150			
Surrogate: D9-NEtFOSE	*188*		ng/L	245		76.8	10-150			
Surrogate: 13C3-HFPO-DA	*85.2*		ng/L	97.9		87.0	25-160			
MRL Check (B346881-MRL1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	7.76	3.9	ng/L	7.85		98.9	44-157			
Perfluoropentanoic acid (PFPeA)	3.59	2.0	ng/L	3.93		91.4	57-148			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
MRL Check (B346881-MRL1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorohexanoic acid (PFHxA)	1.80	0.98	ng/L	1.96		91.7	62-149			
Perfluoroheptanoic acid (PFHpA)	1.69	0.98	ng/L	1.96		86.0	56-150			
Perfluorooctanoic acid (PFOA)	1.79	0.98	ng/L	1.96		91.4	57-161			
Perfluorononanoic acid (PFNA)	1.68	0.98	ng/L	1.96		85.4	53-157			
Perfluorodecanoic acid (PFDA)	1.63	0.98	ng/L	1.96		83.2	43-158			
Perfluoroundecanoic acid (PFUnA)	1.69	0.98	ng/L	1.96		86.2	50-155			
Perfluorododecanoic acid (PFDoA)	1.80	0.98	ng/L	1.96		91.6	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.66	0.98	ng/L	1.96		84.7	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.80	0.98	ng/L	1.96		91.8	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.45	0.98	ng/L	1.74		83.2	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.74	0.98	ng/L	1.85		94.4	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.58	0.98	ng/L	1.80		87.7	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	1.59	0.98	ng/L	1.87		85.3	51-150			
Perfluorooctanesulfonic acid (PFOS)	1.69	0.98	ng/L	1.82		93.0	43-162			
Perfluorononanesulfonic acid (PFNS)	1.64	0.98	ng/L	1.89		86.6	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.57	0.98	ng/L	1.89		83.0	50-144			
Perfluorododecanesulfonic acid (PFDoS)	1.59	0.98	ng/L	1.90		83.6	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	6.66	3.9	ng/L	7.36		90.5	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	6.63	3.9	ng/L	7.46		88.9	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	6.46	3.9	ng/L	7.56		85.5	46-165			
Perfluorooctanesulfonamide (PFOSA)	1.75	0.98	ng/L	1.96		88.9	47-163			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.60	0.98	ng/L	1.96		81.4	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.70	0.98	ng/L	1.96		86.7	49-156			
N-MeFOSAA (NMeFOSAA)	1.67	0.98	ng/L	1.96		85.1	32-160			
N-EtFOSAA (NEtFOSAA)	1.72	0.98	ng/L	1.96		87.5	51-154			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	17.7	9.8	ng/L	19.6		90.4	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	17.8	9.8	ng/L	19.6		90.7	60-147			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.02	3.9	ng/L	7.85		89.3	58-154			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.22	3.9	ng/L	7.41		83.9	61-148			
9Cl-PF3ONS (F53B Minor)	6.41	3.9	ng/L	7.36		87.1	44-167			
11Cl-PF3OUdS (F53B Major)	6.13	3.9	ng/L	7.41		82.7	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	17.2	9.8	ng/L	19.6		87.8	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	87.2	49	ng/L	98.2		88.9	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	78.4	49	ng/L	98.2		79.9	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.11	2.0	ng/L	3.49		89.0	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.44	2.0	ng/L	3.93		87.6	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.43	2.0	ng/L	3.93		87.5	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.60	2.0	ng/L	3.93		91.6	47-160			
Surrogate: 13C4-PFBA	*84.1*		ng/L	98.2		85.7	10-130			
Surrogate: 13C5-PFPeA	*43.0*		ng/L	49.1		87.6	35-150			
Surrogate: 13C5-PFHxA	*21.2*		ng/L	24.5		86.6	55-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
MRL Check (B346881-MRL1)				Prepared: 07/27/23 Analyzed: 07/28/23						
Surrogate: 13C4-PFHpA	*21.3*		ng/L	24.5		86.8	55-150			
Surrogate: 13C8-PFOA	*21.4*		ng/L	24.5		87.1	60-140			
Surrogate: 13C9-PFNA	*10.7*		ng/L	12.3		87.3	55-140			
Surrogate: 13C6-PFDA	*10.5*		ng/L	12.3		85.8	50-140			
Surrogate: 13C7-PFUnA	*10.4*		ng/L	12.3		84.6	30-140			
Surrogate: 13C2-PFDoA	*10.1*		ng/L	12.3		81.9	10-150			
Surrogate: 13C2-PFTeDA	*10.1*		ng/L	12.3		82.3	10-130			
Surrogate: 13C3-PFBS	*21.7*		ng/L	24.5		88.5	55-150			
Surrogate: 13C3-PFHxS	*20.6*		ng/L	24.5		84.1	55-150			
Surrogate: 13C8-PFOS	*21.9*		ng/L	24.5		89.3	45-140			
Surrogate: 13C2-4:2FTS	*34.7*		ng/L	49.1		70.7	60-200			
Surrogate: 13C2-6:2FTS	*43.6*		ng/L	49.1		88.8	60-200			
Surrogate: 13C2-8:2FTS	*39.5*		ng/L	49.1		80.6	50-200			
Surrogate: 13C8-PFOSA	*19.9*		ng/L	24.5		81.1	30-130			
Surrogate: D3-NMeFOSA	*15.9*		ng/L	24.5		64.7	15-130			
Surrogate: D5-NEtFOSA	*16.8*		ng/L	24.5		68.4	10-130			
Surrogate: D3-NMeFOSAA	*42.0*		ng/L	49.1		85.6	45-200			
Surrogate: D5-NEtFOSAA	*41.0*		ng/L	49.1		83.6	10-200			
Surrogate: D7-NMeFOSE	*195*		ng/L	245		79.4	10-150			
Surrogate: D9-NEtFOSE	*192*		ng/L	245		78.1	10-150			
Surrogate: 13C3-HFPO-DA	*89.7*		ng/L	98.2		91.4	25-160			
Matrix Spike (B346881-MS1)		**Source: 23G2141-07**		Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	1110	42	ng/L	1020	ND	109	58-148			
Perfluoropentanoic acid (PFPeA)	551	21	ng/L	509	13.9	106	54-152			
Perfluorohexanoic acid (PFHxA)	281	11	ng/L	255	13.3	105	55-152			
Perfluoroheptanoic acid (PFHpA)	267	11	ng/L	255	7.70	102	54-154			
Perfluorooctanoic acid (PFOA)	294	11	ng/L	255	22.1	107	52-161			
Perfluorononanoic acid (PFNA)	274	11	ng/L	255	ND	107	59-149			
Perfluorodecanoic acid (PFDA)	280	11	ng/L	255	2.38	109	52-147			
Perfluoroundecanoic acid (PFUnA)	269	11	ng/L	255	ND	105	48-159			
Perfluorododecanoic acid (PFDoA)	269	11	ng/L	255	ND	106	64-142			
Perfluorotridecanoic acid (PFTrDA)	259	11	ng/L	255	ND	102	49-148			
Perfluorotetradecanoic acid (PFTeDA)	264	11	ng/L	255	ND	104	47-161			
Perfluorobutanesulfonic acid (PFBS)	235	11	ng/L	226	3.51	102	62-144			
Perfluoropentanesulfonic acid (PFPeS)	255	11	ng/L	239	ND	107	59-151			
Perfluorohexanesulfonic acid (PFHxS)	243	11	ng/L	233	3.16	103	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	259	11	ng/L	243	ND	107	55-152			
Perfluorooctanesulfonic acid (PFOS)	285	11	ng/L	236	52.6	98.5	58-149			
Perfluorononanesulfonic acid (PFNS)	245	11	ng/L	245	ND	100	52-148			
Perfluorodecanesulfonic acid (PFDS)	243	11	ng/L	246	ND	98.8	51-147			
Perfluorododecanesulfonic acid (PFDoS)	234	11	ng/L	247	ND	94.7	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	1010	42	ng/L	955	ND	106	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	1040	42	ng/L	968	ND	108	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	1050	42	ng/L	981	ND	108	63-152			
Perfluorooctanesulfonamide (PFOSA)	259	11	ng/L	255	ND	102	61-148			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	232	11	ng/L	255	ND	91.1	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	237	11	ng/L	255	ND	93.2	65-139			
N-MeFOSAA (NMeFOSAA)	259	11	ng/L	255	ND	102	58-144			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Matrix Spike (B346881-MS1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
N-EtFOSAA (NEtFOSAA)	276	11	ng/L	255	10.5	104	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	2610	110	ng/L	2550	ND	102	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	2580	110	ng/L	2550	ND	101	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	929	42	ng/L	1020	ND	91.2	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	823	42	ng/L	962	ND	85.6	68-146			
9Cl-PF3ONS (F53B Minor)	850	42	ng/L	955	ND	89.0	56-156			
11Cl-PF3OUdS (F53B Major)	788	42	ng/L	962	ND	81.9	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	2120	110	ng/L	2550	ND	83.4	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	11200	530	ng/L	12700	ND	87.9	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	10900	530	ng/L	12700	ND	85.5	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	440	21	ng/L	453	ND	97.2	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	464	21	ng/L	509	ND	91.2	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	483	21	ng/L	509	ND	94.7	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	502	21	ng/L	509	ND	98.5	48-161			
Surrogate: 13C4-PFBA	*935*		ng/L	1060		88.1	10-130			
Surrogate: 13C5-PFPeA	*466*		ng/L	531		87.8	35-150			
Surrogate: 13C5-PFHxA	*234*		ng/L	265		88.3	55-150			
Surrogate: 13C4-PFHpA	*234*		ng/L	265		88.3	55-150			
Surrogate: 13C8-PFOA	*231*		ng/L	265		86.9	60-140			
Surrogate: 13C9-PFNA	*117*		ng/L	133		87.8	55-140			
Surrogate: 13C6-PFDA	*113*		ng/L	133		85.2	50-140			
Surrogate: 13C7-PFUnA	*112*		ng/L	133		84.4	30-140			
Surrogate: 13C2-PFDoA	*106*		ng/L	133		79.7	10-150			
Surrogate: 13C2-PFTeDA	*103*		ng/L	133		77.3	10-130			
Surrogate: 13C3-PFBS	*239*		ng/L	265		90.2	55-150			
Surrogate: 13C3-PFHxS	*234*		ng/L	265		88.0	55-150			
Surrogate: 13C8-PFOS	*233*		ng/L	265		87.8	45-140			
Surrogate: 13C2-4:2FTS	*420*		ng/L	531		79.1	60-200			
Surrogate: 13C2-6:2FTS	*463*		ng/L	531		87.2	60-200			
Surrogate: 13C2-8:2FTS	*473*		ng/L	531		89.1	50-200			
Surrogate: 13C8-PFOSA	*217*		ng/L	265		81.7	30-130			
Surrogate: D3-NMeFOSA	*170*		ng/L	265		64.2	15-130			
Surrogate: D5-NEtFOSA	*169*		ng/L	265		63.8	10-130			
Surrogate: D3-NMeFOSAA	*465*		ng/L	531		87.5	45-200			
Surrogate: D5-NEtFOSAA	*446*		ng/L	531		84.1	10-200			
Surrogate: D7-NMeFOSE	*2060*		ng/L	2650		77.7	10-150			
Surrogate: D9-NEtFOSE	*2040*		ng/L	2650		76.7	10-150			
Surrogate: 13C3-HFPO-DA	*989*		ng/L	1060		93.2	25-160			
Matrix Spike Dup (B346881-MSD1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorobutanoic acid (PFBA)	1050	42	ng/L	1010	ND	104	58-148	5.80	20	
Perfluoropentanoic acid (PFPeA)	522	21	ng/L	505	13.9	101	54-152	5.45	20	
Perfluorohexanoic acid (PFHxA)	265	11	ng/L	253	13.3	99.6	55-152	6.06	25	
Perfluoroheptanoic acid (PFHpA)	258	11	ng/L	253	7.70	99.2	54-154	3.47	25	
Perfluorooctanoic acid (PFOA)	284	11	ng/L	253	22.1	104	52-161	3.68	25	

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Matrix Spike Dup (B346881-MSD1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
Perfluorononanoic acid (PFNA)	254	11	ng/L	253	ND	101	59-149	7.54	25	
Perfluorodecanoic acid (PFDA)	255	11	ng/L	253	2.38	100	52-147	9.26	25	
Perfluoroundecanoic acid (PFUnA)	263	11	ng/L	253	ND	104	48-159	2.18	30	
Perfluorododecanoic acid (PFDoA)	254	11	ng/L	253	ND	101	64-142	5.63	25	
Perfluorotridecanoic acid (PFTrDA)	247	11	ng/L	253	ND	97.9	49-148	4.71	25	
Perfluorotetradecanoic acid (PFTeDA)	256	11	ng/L	253	ND	101	47-161	2.92	25	
Perfluorobutanesulfonic acid (PFBS)	226	11	ng/L	224	3.51	99.3	62-144	3.79	20	
Perfluoropentanesulfonic acid (PFPeS)	240	11	ng/L	237	ND	101	59-151	6.01	25	
Perfluorohexanesulfonic acid (PFHxS)	225	11	ng/L	231	3.16	96.2	57-146	7.44	25	
Perfluoroheptanesulfonic acid (PFHpS)	234	11	ng/L	241	ND	97.4	55-152	10.1	25	
Perfluorooctanesulfonic acid (PFOS)	275	11	ng/L	234	52.6	95.1	58-149	3.57	20	
Perfluorononanesulfonic acid (PFNS)	237	11	ng/L	243	ND	97.4	52-148	3.64	25	
Perfluorodecanesulfonic acid (PFDS)	237	11	ng/L	244	ND	97.4	51-147	2.23	25	
Perfluorododecanesulfonic acid (PFDoS)	236	11	ng/L	245	ND	96.3	36-145	0.808	30	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	968	42	ng/L	947	ND	102	67-146	4.54	25	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	960	42	ng/L	960	ND	100	61-151	8.26	30	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	992	42	ng/L	972	ND	102	63-152	6.06	30	
Perfluorooctanesulfonamide (PFOSA)	252	11	ng/L	253	ND	99.6	61-148	3.06	20	
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	221	11	ng/L	253	ND	87.6	63-145	4.79	25	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	222	11	ng/L	253	ND	88.1	65-139	6.52	25	
N-MeFOSAA (NMeFOSAA)	268	11	ng/L	253	ND	106	58-144	3.37	25	
N-EtFOSAA (NEtFOSAA)	254	11	ng/L	253	10.5	96.5	59-146	8.17	25	
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	2540	110	ng/L	2530	ND	101	71-136	2.37	20	
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	2500	110	ng/L	2530	ND	99.0	69-137	3.25	25	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	982	42	ng/L	1010	ND	97.2	63-144	5.50	25	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	854	42	ng/L	953	ND	89.6	68-146	3.66	20	
9Cl-PF3ONS (F53B Minor)	873	42	ng/L	947	ND	92.2	56-156	2.73	30	
11Cl-PF3OUdS (F53B Major)	844	42	ng/L	953	ND	88.5	46-156	6.88	35	
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	2070	110	ng/L	2530	ND	81.9	62-129	2.60	20	
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	10600	530	ng/L	12600	ND	84.1	63-134	5.23	20	
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	10300	530	ng/L	12600	ND	81.8	50-138	5.38	25	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	442	21	ng/L	449	ND	98.4	56-151	0.382	20	
Perfluoro-3-methoxypropanoic acid (PFMPA)	463	21	ng/L	505	ND	91.6	51-145	0.371	25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	474	21	ng/L	505	ND	93.8	55-148	1.80	20	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	505	21	ng/L	505	ND	99.9	48-161	0.572	35	
Surrogate: 13C4-PFBA	*866*		ng/L	1050		82.3	10-130			
Surrogate: 13C5-PFPeA	*429*		ng/L	526		81.6	35-150			
Surrogate: 13C5-PFHxA	*215*		ng/L	263		81.7	55-150			
Surrogate: 13C4-PFHpA	*211*		ng/L	263		80.3	55-150			
Surrogate: 13C8-PFOA	*209*		ng/L	263		79.4	60-140			
Surrogate: 13C9-PFNA	*111*		ng/L	132		84.4	55-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346881 - Draft Method 1633										
Matrix Spike Dup (B346881-MSD1)	**Source: 23G2141-07**			Prepared: 07/27/23 Analyzed: 07/28/23						
Surrogate: 13C6-PFDA	*107*		ng/L	132		81.0	50-140			
Surrogate: 13C7-PFUnA	*101*		ng/L	132		77.1	30-140			
Surrogate: 13C2-PFDoA	*100*		ng/L	132		76.4	10-150			
Surrogate: 13C2-PFTeDA	*101*		ng/L	132		77.0	10-130			
Surrogate: 13C3-PFBS	*217*		ng/L	263		82.3	55-150			
Surrogate: 13C3-PFHxS	*217*		ng/L	263		82.6	55-150			
Surrogate: 13C8-PFOS	*224*		ng/L	263		85.3	45-140			
Surrogate: 13C2-4:2FTS	*383*		ng/L	526		72.7	60-200			
Surrogate: 13C2-6:2FTS	*437*		ng/L	526		83.1	60-200			
Surrogate: 13C2-8:2FTS	*426*		ng/L	526		80.9	50-200			
Surrogate: 13C8-PFOSA	*206*		ng/L	263		78.3	30-130			
Surrogate: D3-NMeFOSA	*166*		ng/L	263		63.1	15-130			
Surrogate: D5-NEtFOSA	*169*		ng/L	263		64.4	10-130			
Surrogate: D3-NMeFOSAA	*429*		ng/L	526		81.6	45-200			
Surrogate: D5-NEtFOSAA	*429*		ng/L	526		81.5	10-200			
Surrogate: D7-NMeFOSE	*2000*		ng/L	2630		75.9	10-150			
Surrogate: D9-NEtFOSE	*1970*		ng/L	2630		74.9	10-150			
Surrogate: 13C3-HFPO-DA	*872*		ng/L	1050		82.9	25-160			
Batch B346882 - Draft Method 1633										
Blank (B346882-BLK1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	ND	3.9	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.98	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.98	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.98	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.98	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.98	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.98	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.98	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.98	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.98	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.98	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.98	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.98	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.98	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.98	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.98	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.98	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.98	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.98	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.98	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.98	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.98	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.98	ng/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
Blank (B346882-BLK1)				Prepared: 07/31/23 Analyzed: 08/03/23						
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	9.8	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	3.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	3.9	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.8	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	49	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	49	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	*94.9*		ng/L	97.9		96.9	10-130			
Surrogate: 13C5-PFPeA	*46.2*		ng/L	48.9		94.5	35-150			
Surrogate: 13C5-PFHxA	*23.8*		ng/L	24.5		97.4	55-150			
Surrogate: 13C4-PFHpA	*23.8*		ng/L	24.5		97.1	55-150			
Surrogate: 13C8-PFOA	*24.2*		ng/L	24.5		98.9	60-140			
Surrogate: 13C9-PFNA	*11.6*		ng/L	12.2		95.1	55-140			
Surrogate: 13C6-PFDA	*11.6*		ng/L	12.2		95.0	50-140			
Surrogate: 13C7-PFUnA	*11.4*		ng/L	12.2		93.4	30-140			
Surrogate: 13C2-PFDoA	*11.0*		ng/L	12.2		89.9	10-150			
Surrogate: 13C2-PFTeDA	*11.0*		ng/L	12.2		90.1	10-130			
Surrogate: 13C3-PFBS	*22.9*		ng/L	24.5		93.4	55-150			
Surrogate: 13C3-PFHxS	*22.9*		ng/L	24.5		93.5	55-150			
Surrogate: 13C8-PFOS	*24.0*		ng/L	24.5		98.0	45-140			
Surrogate: 13C2-4:2FTS	*38.0*		ng/L	48.9		77.7	60-200			
Surrogate: 13C2-6:2FTS	*44.2*		ng/L	48.9		90.3	60-200			
Surrogate: 13C2-8:2FTS	*45.2*		ng/L	48.9		92.4	50-200			
Surrogate: 13C8-PFOSA	*21.6*		ng/L	24.5		88.1	30-130			
Surrogate: D3-NMeFOSA	*16.4*		ng/L	24.5		67.0	15-130			
Surrogate: D5-NEtFOSA	*18.1*		ng/L	24.5		74.0	10-130			
Surrogate: D3-NMeFOSAA	*44.8*		ng/L	48.9		91.6	45-200			
Surrogate: D5-NEtFOSAA	*43.9*		ng/L	48.9		89.7	10-200			
Surrogate: D7-NMeFOSE	*214*		ng/L	245		87.6	10-150			
Surrogate: D9-NEtFOSE	*211*		ng/L	245		86.3	10-150			
Surrogate: 13C3-HFPO-DA	*96.9*		ng/L	97.9		99.0	25-160			
LCS (B346882-BS1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	90.5	3.9	ng/L	94.2		96.1	58-148			
Perfluoropentanoic acid (PFPeA)	43.9	2.0	ng/L	47.1		93.3	54-152			
Perfluorohexanoic acid (PFHxA)	21.7	0.98	ng/L	23.6		92.2	55-152			
Perfluoroheptanoic acid (PFHpA)	22.2	0.98	ng/L	23.6		94.2	54-154			
Perfluorooctanoic acid (PFOA)	22.1	0.98	ng/L	23.6		93.8	52-161			
Perfluorononanoic acid (PFNA)	22.7	0.98	ng/L	23.6		96.2	59-149			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
LCS (B346882-BS1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorodecanoic acid (PFDA)	22.2	0.98	ng/L	23.6		94.1	52-147			
Perfluoroundecanoic acid (PFUnA)	21.4	0.98	ng/L	23.6		90.8	48-159			
Perfluorododecanoic acid (PFDoA)	22.2	0.98	ng/L	23.6		94.1	64-142			
Perfluorotridecanoic acid (PFTrDA)	21.9	0.98	ng/L	23.6		93.1	49-148			
Perfluorotetradecanoic acid (PFTeDA)	21.8	0.98	ng/L	23.6		92.6	47-161			
Perfluorobutanesulfonic acid (PFBS)	19.3	0.98	ng/L	20.9		92.6	62-144			
Perfluoropentanesulfonic acid (PFPeS)	20.6	0.98	ng/L	22.1		93.0	59-151			
Perfluorohexanesulfonic acid (PFHxS)	20.0	0.98	ng/L	21.6		92.7	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	20.6	0.98	ng/L	22.4		92.0	55-152			
Perfluorooctanesulfonic acid (PFOS)	19.6	0.98	ng/L	21.8		89.8	58-149			
Perfluorononanesulfonic acid (PFNS)	19.9	0.98	ng/L	22.7		87.9	52-148			
Perfluorodecanesulfonic acid (PFDS)	19.6	0.98	ng/L	22.7		86.4	51-147			
Perfluorododecanesulfonic acid (PFDoS)	19.2	0.98	ng/L	22.8		83.9	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	84.4	3.9	ng/L	88.3		95.6	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	80.0	3.9	ng/L	89.5		89.4	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	85.8	3.9	ng/L	90.7		94.6	63-152			
Perfluorooctanesulfonamide (PFOSA)	21.8	0.98	ng/L	23.6		92.8	61-148			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	21.0	0.98	ng/L	23.6		89.1	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	20.4	0.98	ng/L	23.6		86.5	65-139			
N-MeFOSAA (NMeFOSAA)	19.8	0.98	ng/L	23.6		84.0	58-144			
N-EtFOSAA (NEtFOSAA)	21.4	0.98	ng/L	23.6		90.8	59-146			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	222	9.8	ng/L	236		94.0	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	219	9.8	ng/L	236		93.0	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	95.1	3.9	ng/L	94.2		101	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	80.3	3.9	ng/L	88.9		90.4	68-146			
9Cl-PF3ONS (F53B Minor)	85.9	3.9	ng/L	88.3		97.2	56-156			
11Cl-PF3OUdS (F53B Major)	81.4	3.9	ng/L	88.9		91.6	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	210	9.8	ng/L	236		89.1	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1050	49	ng/L	1180		89.2	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	1010	49	ng/L	1180		85.6	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	40.3	2.0	ng/L	41.9		96.1	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.8	2.0	ng/L	47.1		93.0	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	46.1	2.0	ng/L	47.1		97.8	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	46.1	2.0	ng/L	47.1		97.9	48-161			
Surrogate: 13C4-PFBA	*97.1*		ng/L	98.1		98.9	10-130			
Surrogate: 13C5-PFPeA	*47.7*		ng/L	49.1		97.3	35-150			
Surrogate: 13C5-PFHxA	*24.6*		ng/L	24.5		100	55-150			
Surrogate: 13C4-PFHpA	*24.5*		ng/L	24.5		99.7	55-150			
Surrogate: 13C8-PFOA	*23.6*		ng/L	24.5		96.0	60-140			
Surrogate: 13C9-PFNA	*12.0*		ng/L	12.3		97.9	55-140			
Surrogate: 13C6-PFDA	*12.1*		ng/L	12.3		98.8	50-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
LCS (B346882-BS1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Surrogate: 13C7-PFUnA	*12.2*		ng/L	12.3		99.3	30-140			
Surrogate: 13C2-PFDoA	*11.4*		ng/L	12.3		92.7	10-150			
Surrogate: 13C2-PFTeDA	*11.4*		ng/L	12.3		93.0	10-130			
Surrogate: 13C3-PFBS	*23.4*		ng/L	24.5		95.6	55-150			
Surrogate: 13C3-PFHxS	*24.5*		ng/L	24.5		99.8	55-150			
Surrogate: 13C8-PFOS	*24.7*		ng/L	24.5		101	45-140			
Surrogate: 13C2-4:2FTS	*41.4*		ng/L	49.1		84.4	60-200			
Surrogate: 13C2-6:2FTS	*47.1*		ng/L	49.1		95.9	60-200			
Surrogate: 13C2-8:2FTS	*49.6*		ng/L	49.1		101	50-200			
Surrogate: 13C8-PFOSA	*21.9*		ng/L	24.5		89.1	30-130			
Surrogate: D3-NMeFOSA	*16.4*		ng/L	24.5		66.9	15-130			
Surrogate: D5-NEtFOSA	*18.1*		ng/L	24.5		73.6	10-130			
Surrogate: D3-NMeFOSAA	*48.1*		ng/L	49.1		98.1	45-200			
Surrogate: D5-NEtFOSAA	*45.0*		ng/L	49.1		91.7	10-200			
Surrogate: D7-NMeFOSE	*224*		ng/L	245		91.2	10-150			
Surrogate: D9-NEtFOSE	*217*		ng/L	245		88.5	10-150			
Surrogate: 13C3-HFPO-DA	*98.0*		ng/L	98.1		99.9	25-160			
MRL Check (B346882-MRL1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Perfluorobutanoic acid (PFBA)	8.52	3.9	ng/L	7.89		108	44-157			
Perfluoropentanoic acid (PFPeA)	4.07	2.0	ng/L	3.95		103	57-148			
Perfluorohexanoic acid (PFHxA)	2.05	0.99	ng/L	1.97		104	62-149			
Perfluoroheptanoic acid (PFHpA)	2.04	0.99	ng/L	1.97		103	56-150			
Perfluorooctanoic acid (PFOA)	1.92	0.99	ng/L	1.97		97.0	57-161			
Perfluorononanoic acid (PFNA)	2.04	0.99	ng/L	1.97		104	53-157			
Perfluorodecanoic acid (PFDA)	1.79	0.99	ng/L	1.97		90.9	43-158			
Perfluoroundecanoic acid (PFUnA)	1.80	0.99	ng/L	1.97		91.4	50-155			
Perfluorododecanoic acid (PFDoA)	2.07	0.99	ng/L	1.97		105	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.92	0.99	ng/L	1.97		97.4	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.92	0.99	ng/L	1.97		97.2	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.71	0.99	ng/L	1.75		97.5	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.79	0.99	ng/L	1.86		96.5	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.89	0.99	ng/L	1.81		105	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	2.09	0.99	ng/L	1.88		111	51-150			
Perfluorooctanesulfonic acid (PFOS)	2.13	0.99	ng/L	1.83		116	43-162			
Perfluorononanesulfonic acid (PFNS)	2.01	0.99	ng/L	1.90		106	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.87	0.99	ng/L	1.90		98.0	50-144			
Perfluorododecanesulfonic acid (PFDoS)	2.06	0.99	ng/L	1.91		108	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.63	3.9	ng/L	7.40		103	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.30	3.9	ng/L	7.50		97.4	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	8.34	3.9	ng/L	7.60		110	46-165			
Perfluorooctanesulfonamide (PFOSA)	2.06	0.99	ng/L	1.97		105	47-163			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	1.91	0.99	ng/L	1.97		96.7	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	1.88	0.99	ng/L	1.97		95.1	49-156			
N-MeFOSAA (NMeFOSAA)	1.97	0.99	ng/L	1.97		99.9	32-160			
N-EtFOSAA (NEtFOSAA)	1.96	0.99	ng/L	1.97		99.2	51-154			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	19.7	9.9	ng/L	19.7		99.7	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	20.0	9.9	ng/L	19.7		101	60-147			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346882 - Draft Method 1633										
MRL Check (B346882-MRL1)				Prepared: 07/31/23 Analyzed: 08/03/23						
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.70	3.9	ng/L	7.89		97.6	58-154			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.98	3.9	ng/L	7.45		93.7	61-148			
9Cl-PF3ONS (F53B Minor)	7.30	3.9	ng/L	7.40		98.7	44-167			
11Cl-PF3OUdS (F53B Major)	6.71	3.9	ng/L	7.45		90.1	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	17.8	9.9	ng/L	19.7		90.3	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	88.1	49	ng/L	98.7		89.2	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	82.3	49	ng/L	98.7		83.4	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	3.49	2.0	ng/L	3.51		99.2	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.97	2.0	ng/L	3.95		101	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	2.0	ng/L	3.95		101	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.96	2.0	ng/L	3.95		100	47-160			
Surrogate: 13C4-PFBA	*97.1*		ng/L	98.7		98.4	10-130			
Surrogate: 13C5-PFPeA	*47.6*		ng/L	49.3		96.4	35-150			
Surrogate: 13C5-PFHxA	*24.6*		ng/L	24.7		99.9	55-150			
Surrogate: 13C4-PFHpA	*24.0*		ng/L	24.7		97.2	55-150			
Surrogate: 13C8-PFOA	*24.2*		ng/L	24.7		98.0	60-140			
Surrogate: 13C9-PFNA	*12.0*		ng/L	12.3		97.3	55-140			
Surrogate: 13C6-PFDA	*12.5*		ng/L	12.3		101	50-140			
Surrogate: 13C7-PFUnA	*12.1*		ng/L	12.3		97.9	30-140			
Surrogate: 13C2-PFDoA	*11.2*		ng/L	12.3		90.8	10-150			
Surrogate: 13C2-PFTeDA	*11.6*		ng/L	12.3		93.8	10-130			
Surrogate: 13C3-PFBS	*23.8*		ng/L	24.7		96.3	55-150			
Surrogate: 13C3-PFHxS	*25.0*		ng/L	24.7		101	55-150			
Surrogate: 13C8-PFOS	*23.6*		ng/L	24.7		95.6	45-140			
Surrogate: 13C2-4:2FTS	*39.2*		ng/L	49.3		79.5	60-200			
Surrogate: 13C2-6:2FTS	*46.1*		ng/L	49.3		93.5	60-200			
Surrogate: 13C2-8:2FTS	*47.5*		ng/L	49.3		96.2	50-200			
Surrogate: 13C8-PFOSA	*22.2*		ng/L	24.7		90.1	30-130			
Surrogate: D3-NMeFOSA	*18.2*		ng/L	24.7		73.9	15-130			
Surrogate: D5-NEtFOSA	*19.3*		ng/L	24.7		78.2	10-130			
Surrogate: D3-NMeFOSAA	*47.4*		ng/L	49.3		96.1	45-200			
Surrogate: D5-NEtFOSAA	*45.3*		ng/L	49.3		91.8	10-200			
Surrogate: D7-NMeFOSE	*229*		ng/L	247		92.9	10-150			
Surrogate: D9-NEtFOSE	*227*		ng/L	247		91.8	10-150			
Surrogate: 13C3-HFPO-DA	*99.8*		ng/L	98.7		101	25-160			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B346639 - Draft Method 1633										
Blank (B346639-BLK1)				Prepared: 07/20/23 Analyzed: 07/24/23						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B346639-BS1)				Prepared: 07/20/23 Analyzed: 07/24/23						
Total Suspended Solids	180	5.0	mg/L	200		90.0	64.1-125			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
Draft Method 1633 in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
Perfluorobutanoic acid (PFBA)	NH-P,NY,PA,WV
Perfluoropentanoic acid (PFPeA)	NH-P,NY,PA,WV
Perfluorohexanoic acid (PFHxA)	NH-P,NY,PA,WV
Perfluoroheptanoic acid (PFHpA)	NH-P,NY,PA,WV
Perfluorooctanoic acid (PFOA)	NH-P,NY,PA,WV
Perfluorononanoic acid (PFNA)	NH-P,NY,PA,WV
Perfluorodecanoic acid (PFDA)	NH-P,NY,PA,WV
Perfluoroundecanoic acid (PFUnA)	NH-P,NY,PA,WV
Perfluorododecanoic acid (PFDoA)	NH-P,NY,PA,WV
Perfluorotridecanoic acid (PFTrDA)	NH-P,NY,PA,WV
Perfluorotetradecanoic acid (PFTeDA)	NH-P,NY,PA,WV
Perfluorobutanesulfonic acid (PFBS)	NH-P,NY,PA,WV
Perfluoropentanesulfonic acid (PFPeS)	NH-P,NY,PA,WV
Perfluorohexanesulfonic acid (PFHxS)	NH-P,NY,PA,WV
Perfluoroheptanesulfonic acid (PFHpS)	NH-P,NY,PA,WV
Perfluorooctanesulfonic acid (PFOS)	NH-P,NY,PA,WV
Perfluorononanesulfonic acid (PFNS)	NH-P,PA,WV
Perfluorodecanesulfonic acid (PFDS)	NH-P,PA,WV
Perfluorododecanesulfonic acid (PFDoS)	NH-P,PA,WV
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NH-P,PA,WV
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NH-P,NY,PA,WV
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NH-P,NY,PA,WV
Perfluorooctanesulfonamide (PFOSA)	NH-P,PA,WV
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	NH-P,PA,WV
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NH-P,PA,WV
N-MeFOSAA (NMeFOSAA)	NH-P,NY,PA,WV
N-EtFOSAA (NEtFOSAA)	NH-P,NY,PA,WV
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NH-P,PA,WV
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NH-P,PA,WV
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P,NY,PA,WV
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P,NY,PA,WV
9Cl-PF3ONS (F53B Minor)	NH-P,NY,PA,WV
11Cl-PF3OUdS (F53B Major)	NH-P,NY,PA,WV
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NH-P,PA,WV
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NH-P,PA,WV
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NH-P,PA,WV
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH-P,NY,PA,WV
Perfluoro-3-methoxypropanoic acid (PFMPA)	NH-P,NY,PA,WV
Perfluoro-4-methoxybutanoic acid (PFMBA)	NH-P,PA,WV
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P,PA,WV

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2024

ODY Analytical Request Document

ody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

2362141

1-5

ALL SHADED AREAS are for LAB USE ONLY

Billing Information: Callout ID: 147379 Project No: 1602533

Syracuse NY

st.com

Email To: northeastap@eaest.com

Site Collection Info/Address: Bayshore

Cust... nber: Sou... Outdoor - Off-Site

State: NY/ County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET

Phone: (4... 390-2213 Email:

Site/Facility ID #: 152228

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Jeremy Fontaine

Purchase Order #: Quote #: See billing info

DW PWS ID #: DW Location Code:

Collected By (signature):

Turnaround Date Required: 20 days

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PFAS 1633	TSS
1	SAVE-DPT-3-40	GW	G	7/11/23	1245				3	2	1
2	SAVE-DPT-3-50	GW		7/11/23	1335				3	2	1
3	SAVE-DPT-2-35	GW		7/11/23	1630				3	2	1
4	SAVE-DPT-2-45	GW		7/11/23	1705				3	2	1
5	DPT-FB-2-11072023	WATER		7/11/23	1745				2	2	
6	DPT-EQB-2-11072023	WATER		7/11/23	1750				2	2	
7	SAVE-DPT-1-40	GW		7/13/23	1520				7	6	1
8	SAVE-DPT-1-50	GW		7/13/23	1620				3	2	1
9	DPT-FB-4-13072023	WATER		7/13/23	1700				2	2	
10	DPT-EQB-3-13072023	WATER		7/13/23	1705				2	2	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Use SAVE-DPT-1-40 for MS/MSD.

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2793198

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 6B
Cooler 1 Temp Upon Receipt: 6.3 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments: 6.3C

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jeremy Fontaine EA	7/14/23 1230		7/14/23 12:30
MSMA(ANL)	7/14 1516		
MSMA(ANL)	7/14 2150		7/14 2130

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 2

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address:	
Report To:	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number:	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: / Email:	Site/Facility ID #:
Collected By (print):	Purchase Order #: / Quote #:
Collected By (signature):	Turnaround Date Required:
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: / DW Location Code:

Immediately Packed on Ice: [ ] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

Container Preservative Type **: U U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: PFAS 1633; TSS

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PFAS 1633	TSS
11	DPT-DUP-2	GW	G	7/13/23	—				3	2	1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2793199

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: GS
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 6.8C

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] EA	7/14/23 1230	[signature]	7/14/23 12:30
MSMA(AN)	7/14 2130	MSMA(AN)	7/14 1845
[signature]	7/14 2100	[signature]	7/15 0040

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 2

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0330 07-15-23

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EA Engineering

Project South Shore Outdoor

MCP/RCP Required NA

Deliverable Package Requirement NA

Location Bohemia, NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AM 7/15/23 930 ZEA

Back-Sheet By / Date / Time LA 7/18/23 934

Temperature Method Gun #5

Temp ☑ < 6° C Actual Temperature 2.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☐

Project ☐ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Sample
																				16oz Amb/Clear
																				8oz Amb/Clear
																				4oz Amb/Clear
																				2oz Amb/Clear
																				Unpreserved
																				HCL
																				Sulfuric
																				Sulfuric
																				Phosphoric
																				HCl
																				Unpreserved
																				Unpreserved
																				Sulfuric
																				Unpreserved
																				Sulfuric
																				Unpreserved
																				Trizma
																				Sulfuric
																				Nitric
																				NaOH
																				Ammonium Acetate
																				NaOH/Zinc
																				Unpreserved
																				HCl
																				MeOH
																				D.I. Water
																				BiSulfate
																				Col/Bact
																				Other

Soils Jars	(Circle Amb/Clear)
Ambers	1 Liter
	250mL
	100mL
Plastics	1 Liter
	500mL
	250mL
VOA Vials	
Other / Fill in	

Qualtrax ID: 120836

DATA VALIDATION REPORT

South Shore Outdoor

SDGs: 23G2057, 23G2098, 23G2118, 23G2119 and 23G2141

Chemical Analyses Performed by:

Con-Test, Pace Analytical Laboratory

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

October 31, 2023

5 Brilliant Avenue, Pittsburgh, PA 15215
412.408.3288 I www.eds-pa.com

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 23G2057

SAMPLE DATES: 07/13/2023

This sample delivery group consist of the following samples:

Sample Identification	Laboratory Identification
5AVE-SV-1_13072023	23G2057-01
5AVE-SV-2_13072023	23G2057-02
ABI-SV-1_13072023	23G2057-03
SV-DUP-1	23G2057-04

The samples described above were analyzed via methods USEPA TO-15 and/or USEPA TO-15 SIM to determine the concentrations of trace volatile organic analytes (VOAs) in air samples.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 Data Validation, HW-31, Rev. 6, June 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R”, rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) with the exception of 1,2-dibromoethane. Positive sample results for the impacted analytes have been evaluated and qualified per validation guidance as appropriate.

Storage Blanks

No storage blanks were required for this sample delivery group (SDG).

Trip Blanks

No trip blanks were submitted in association with this SDG.

Field Blanks

No field blanks were submitted in association with this SDG.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 24-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Note, no closing continuing calibration verifications were performed in association with this SDG.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the volatile organic analysis (VOA) target compound list (TCL) must be ≥0.05 in both the initial and continuing calibrations with exception of poor response compounds, where RRFs must be ≥0.01. Additionally, the RRF in the closing continuing calibration must be ≥0.01. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05, or <0.01 for poor response compounds, or the RRF for the closing continuing calibration is <0.01 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <30%.

An RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated. Severe performance failures (RSD >90%) require qualification of non-detected results as well.

The %D for continuing calibration must be <30%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated, and non-detects are qualified with "UJ".

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions.

The %D value for the target analyte dichlorodifluoromethane was outside of acceptance limits for the continuing calibration verification (CCV) analyzed on instrument SYSJ on 07/25/2023. All samples are associated with the non-compliant CCV. The results reported for the impacted analyte has been qualified estimated "J" on this basis.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 20 seconds from the associated continuing calibration standard. The area count must be within -60% to +140% range of the associated standard. If area count is >140% non-detected results are not qualified while positive results are qualified "J", estimated. However, when an observed area count is <60%, positive results are qualified "J" estimated while non-detected results are rejected.

The reported analysis for all samples, lab control sample, and associated method blanks had internal standard areas and retention times within QC criteria in all cases.

6. COMPOUND IDENTIFICATION

Volatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound, and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified "NJ", tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J", estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J", estimated.

Tentatively identified compounds were not reported by the laboratory and were not evaluated for this program.

7. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

All LCS accuracy indicators were favorable or did not require qualification of sample results with the following exceptions.

The observed recoveries for the analytes listed below were higher than the highest acceptance limits. All samples in this SDG are associated with the non-compliant LCS. Potential high bias is indicated. The positive results reported for the impacted analytes have been qualified estimated "J" on this basis.

dichlorodifluoromethane	*ethanol*
naphthalene	*trichlorofluoromethane*

8. REPORTING

No problems were found for this criterion.

9. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

10. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples ABI-SV-1_20230713 and SV-DUP-1 were submitted as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Clean canisters were used to transport air samples in this SDG. All criteria were met to ensure containers were appropriate for sample storage.

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks			x
Storage Blanks	NA		
Trip Blanks	NA		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Laboratory Control Sample			x
Reporting	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR 1,4-DIOXANE

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, A Pace Analytical Laboratory

SAMPLE DELIVERY GROUPS: 23G2098

SAMPLE DATES: 07/11/2023, 07/13/2023

The above sample delivery group (SDG) consist of the following samples:

Client Sample ID	Laboratory Sample ID
5AVE-DPT-2-45	23G2098-01
5AVE-DPT-2-35	23G2098-02
5AVE-DPT-3-50	23G2098-03
5AVE-DPT-3-40	23G2098-04
DPT-EQB-2-11072023	23G2098-05
DPT-EQB-3-13072023	23G2098-06
5AVE-DPT-1-40	23G2098-07
DPT-DUP-2	23G2098-08
5AVE-DPT-1-50	23G2098-09

The samples described above were analyzed via USEPA SW-846 8270E SIM to determine the concentrations of 1,4-dioxane. The method was modified to include isotopic dilution quantitation.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, HW-22 Revision 5, December 2010, have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R,” rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines with the following exceptions. Samples 5AVE-DPT-1-40 and 5AVE-DPT-1-50 were re-extracted outside the required holding time. The impacted sample results have been qualified estimated "UJ" on this basis.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during laboratory preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

No problems were found for this criterion.

Field Blanks

Samples DPT-EQB-2-11072023 and DPT-EQB-3-13072023 were submitted as field/equipment blanks in association with this SDG. No problems were found for this criterion.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for semivolatiles is decafluorotriphenylphosphine (DFTPP).

All instrument tunes were fully compliant.

4. CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instrument's responses to specific chemical compounds. The response factors for the base neutral acid (BNA) target compound list (TCL) analytes must be ≥0.05 in both the initial and continuing calibrations. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Note: No closing continuing calibration was performed.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <20%.

An RSD value outside the initial calibration limit indicates the potential for quantitation errors. For this reason, all positive and non-detected results are qualified as estimated. Severe performance failures (RSD >90%) requires rejection of non-detected results.

The %D for continuing calibration must be <20%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated "J," and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined quality control criteria without exception.

Note: No closing continuing calibration was performed.

5. INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatograph/mass spectrometer (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/-30 seconds from the associated continuing calibration standard. The area count must be within -50% to 200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results are qualified "J," estimated. When an observed area count is <50%, results are qualified "J" or "UJ" as appropriate; however, should area counts be <25%, all associated non-detects are qualified "R," rejected.

The reported sample analyses and associated method blank had internal standard areas and retention times within acceptance criteria in all cases.

6. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique.

The reported sample analyses and method blank had observed surrogate recoveries within the limits established by the laboratory in all cases.

7. COMPOUND IDENTIFICATION

Semivolatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 5AVE-DPT-1-40 was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation all precision and accuracy indicators were favorable.

9. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

No problems were found for this criterion.

10. REPORTING

No dilutions, re-extractions, or other re-analyses were performed other than those necessary to bring positive instrument signals within the linear range with the following exception.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

No problems were found for this criterion with the following exception. The reported result exceeded the linear calibration range for sample 819017-BRW-01-09212022 and has been qualified "J" on this basis.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-DPT-1-50 and DPT-DUP-2 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
1,4-Dioxane		**Major**	**Minor**
Holding Time/Sample Handling			x
Method Blanks	x		
Field Blanks	x		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards Performance	x		
Surrogates	x		
Compound Identification - Semivolatile	x		
Tentatively Identified Compounds - Semivolatile	NA		
Matrix Spike/Matrix Spike Duplicate	x		
Laboratory Control Sample	x		
Other Quality Control Data out of Linear Range	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
UJ-	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise, and the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUPS: 23G2118

SAMPLE DATES: 07/10/2023-07/12/2023

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
CLAR-DPT-1-35	23G2118-01
CLAR-DPT-1-45	23G2118-02
CLAR-DPT-1-55	23G2118-03
DPT-DUP-1	23G2118-04
DPT-FB-1_20230710	23G2118-05
DPT-EQB-1_20230710	23G2118-06
CLAR-DPT-2-35	23G2118-07
CLAR-DPT-2-45	23G2118-08
CLAR-DPT-2-55	23G2118-09
5AVE-DPT-3-40	23G2118-10
5AVE-DPT-3-50	23G2118-11
5AVE-DPT-2-35	23G2118-12
5AVE-DPT-2-45	23G2118-13
DPT-FB-2_20230711	23G2118-14
DPT-EQB-2_20230711	23G2118-15
ABI-DPT-1-35	23G2118-16
ABI-DPT-1-45	23G2118-17
DPT-FB-3_20230712	23G2118-18
ABI-DPT-2-35	23G2118-19
ABI-DPT-2-45	23G2118-20

The samples described above were analyzed via USEPA SW-846 8260D to determine the concentrations of low/medium volatile organic analytes (VOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP NO. HW-24 Revision 4, September 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R,” rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.”

1. **HOLDING TIME/SAMPLE HANDLING**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this sample delivery group (SDG) were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples used for reporting in this SDG were prepared and analyzed within the holding time specified in the validation guidelines.

2. **BLANK CONTAMINATION**

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in these SDGs at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were submitted in association with this SDG.

Trip Blanks

No sample was submitted as a trip blank in association with this SDG.

Field Blanks

Samples listed below were submitted as field/equipment blanks in association with this SDG. Methylene chloride was positively identified in the blanks. Positive methylene chloride results in the associated samples were evaluated and qualified per validation guidance as appropriate.

DPT-EQB-1_20230710	*DPT-FB-1_20230710*	*DPT-FB-3_20230712*
DPT-EQB-2_2023071	*DPT-FB-2_20230711*	

3. **MASS SPECTROMETER TUNING**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with these SDGs were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification, and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the VOA target compound list (TCL) compounds must be greater than the RRFs listed in Region II validation guidelines. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is below the specified limit for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations for method 8260D were found to be acceptable except for 1,4-dioxane which exhibited an extremely low RRF (<0.01). The 1,4-dioxane results in the associated samples were all non-detect and have been qualified "R", rejected on this basis.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be ≤20%.

A %RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated and non-detect results are qualified using professional judgement.

The %D for opening continuing calibration must be ≤30%

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as "J," estimated, and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions.

The observed %D recoveries for the analytes listed below were outside of the acceptable limits in the CCV associated with all samples in this SDG. The results reported for the impacted analytes in all the samples were non-detect and have been qualified "UJ" on this basis.

tert-butyl alcohol	*carbon tetrachloride*	*1,2-dibromo-3-chloropropane*
trans-1,4-dichloro-2-butene	*2,2-dichloropropane*	*1,4-dioxane*
naphthalene	*1,2,3-trichlorobenzene*	*1,2,4-trichlorobenzene*

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to +200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results associated with the non-compliant internal standard are qualified "J," estimated. However, when an observed area count is <50%, positive results associated with the non-compliant are qualified "J," estimated, while non-detected results are rejected.

Internal standard area counts are within acceptance criteria for all samples.

6. **SURROGATES**

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique. The observed recovery must be within laboratory limits as outlined in the project specific validation guidance.

The reported sample analyses had observed surrogate recoveries within the established acceptance limits in all cases.

7. COMPOUND IDENTIFICATION

Volatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated, and all identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

Volatile TICs were not reported.

8. **MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample CLAR-DPT-1-35 was submitted for MS/MSD pair evaluation in association with this SDG. Upon evaluation precision and accuracy indicators were acceptable or did not result in a need to qualify sample results with the following exceptions. The observed MS and MSD recoveries for fourteen compounds were lower than the lowest acceptance limit in both the MS and MSD. The results reported for the impacted analytes in the parent sample were non-detect and have been qualified "UJ" on this basis.

9. **LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE**

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS/LCS duplicate evaluations were processed at the proper frequency. Upon evaluation all accuracy and precision criteria were acceptable.

10. **REPORTING**

No dilutions, re-extractions, or other re-analyses were performed other than those necessary to bring positive instrument signals within the linear range.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples CLAR-DPT-1-55 and DPT-DUP-1 were analyzed as a field duplicate pair in association with these SDGs. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	x		
Field Blanks			x
Mass Spectrometer Tuning	x		
Calibration Response Factor		x	
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Surrogates	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Spike/Matrix Spike Duplicate			x
Laboratory Control Sample/Laboratory Control Sample Duplicate	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUPS: 23G2119

SAMPLE DATES: 07/10/2023, 07/13/2023

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
BEL-DPT-2-35	23G2119-01
BEL-DPT-2-45	23G2119-02
BEL-DPT-1-35	23G2119-03
BEL-DPT-1-45	23G2119-04
BEL-DPT-2-55	23G2119-05
BEL-DPT-1-55	23G2119-06
5AVE-DPT-1-40	23G2119-07
5AVE-DPT-1-50	23G2119-08
DPT-FB-4-13072023	23G2119-09
DPT-EQB-3-13072023	23G2119-10
DPT-DUP-2	23G2119-11
CW-01-130723	23G2119-12
MW-DUP-1-13072023	23G2119-13
FN-19-13072023	23G2119-14
VOC TRIP BLANK	23G2119-15

The samples described above were analyzed via USEPA SW-846 8260D to determine the concentrations of low/medium volatile organic analytes (VOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP NO. HW-24 Revision 4, September 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R,” rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.”

1. **HOLDING TIME/SAMPLE HANDLING**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this sample delivery group (SDG) were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples used for reporting in this SDG were prepared and analyzed within the holding time specified in the validation guidelines.

2. **BLANK CONTAMINATION**

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in these SDGs at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were submitted in association with this SDG.

Trip Blanks

Sample VOC TRIP BLANK was submitted as a trip blank in association with this SDG. Methylene chloride was positively identified. Positive methylene chloride results in the associated samples were evaluated and qualified per validation guidance as appropriate.

Field Blanks

Samples DPT-FB-4-13072023 and DPT-EQB-3-13072023 were submitted as field/equipment blanks in association with this SDG. Methylene chloride was positively identified. Positive methylene chloride results in the associated samples were evaluated and qualified per validation guidance as appropriate.

3. **MASS SPECTROMETER TUNING**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with these SDGs were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification, and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the VOA target compound list (TCL) compounds must be greater than the RRFs listed in Region II validation guidelines. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is below the specified limit for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations for method 8260D were found to be acceptable except for 1,4-dioxane which exhibited an extremely low RRF (<0.01). The 1,4-dioxane results in the associated samples were all non-detect and have been qualified "R", rejected on this basis.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be ≤20%.

A %RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated and non-detect results are qualified using professional judgement.

The %D for opening continuing calibration must be ≤30%

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as "J," estimated, and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions.

The observed %D recoveries for the analytes listed below were outside of the acceptable limits in the CCV associated with all samples in this SDG. The results reported for the impacted analytes in all the samples were non-detect and have been qualified "UJ" on this basis unless previously qualified "R" rejected.

tert-butyl alcohol	*carbon tetrachloride*	*bromoform*
trans-1,4-dichloro-2-butene	*1,2,4-trichlorobenzene*	*1,4-dioxane*
naphthalene		

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to +200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results associated with the non-compliant internal standard are qualified "J," estimated. However, when an observed area count is <50%, positive results associated with the non-compliant are qualified "J," estimated, while non-detected results are rejected.

Internal standard area counts are within acceptance criteria for all samples.

6. **SURROGATES**

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique. The observed recovery must be within laboratory limits as outlined in the project specific validation guidance.

The reported sample analyses had observed surrogate recoveries within the established acceptance limits in all cases.

7. COMPOUND IDENTIFICATION

Volatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated, and all identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

Volatile TICs were not reported.

8. **MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 5AVE-DPT-1-40 was submitted for MS/MSD pair evaluation in association with this SDG. Upon evaluation precision and accuracy indicators were acceptable or did not result in a need to qualify sample results with the following exceptions. The observed recoveries for the compounds listed below were lower than the lowest acceptance limit in both the MS and MSD. The results reported for the impacted analytes in the parent sample were all non-detect and have been qualified "UJ" on this basis.

tert-butyl alcohol	*trans-1,4-dichloro-2-butene*	*methyl acetate*
naphthalene	*1,2,4-trichlorobenzene*	

The observed recovery for 1,1,1-trichloroethane was higher than the highest acceptance limit in both the MS and MSD. The results reported for the impacted analyte in the parent sample has been qualified "J+" on this basis.

Sample FN-19-13072023 was submitted for MS/MSD pair evaluation in association with this SDG. Upon evaluation precision and accuracy indicators were acceptable or did not result in a need to qualify sample results with the following exceptions. The observed recoveries for the compounds listed below were lower than the lowest acceptance limit in both the MS and MSD. The results reported for the impacted analytes in the parent sample were all non-detect and have been qualified "UJ" on this basis.

tert-butyl alcohol	*trans-1,4-dichloro-2-butene*	*methyl acetate*
naphthalene	*1,2,4-trichlorobenzene*	

9. **LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE**

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS/LCS duplicate evaluations were processed at the proper frequency. Upon evaluation all accuracy and precision criteria were acceptable.

10. **REPORTING**

No dilutions, re-extractions, or other re-analyses were performed other than those necessary to bring positive instrument signals within the linear range.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

No problems were found for this criterion.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-DPT-1-50 and DPT-DUP-2 were analyzed as a field duplicate pair in association with these SDGs. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks			x
Field Blanks			x
Mass Spectrometer Tuning	x		
Calibration Response Factor		x	
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Surrogates	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Spike/Matrix Spike Duplicate			x
Laboratory Control Sample/Laboratory Control Sample Duplicate	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR PER-FLUORINATED ALKYL ACIDS

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, A Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 23G2141

SAMPLE DATES: 07/11/2023 and 07/13/2023

This sample delivery group consists of the following samples:

Client Sample ID	Laboratory Sample ID
5AVE-DPT-3-40	23G2141-01
5AVE-DPT-3-50	23G2141-02
5AVE-DPT-2-35	23G2141-03
5AVE-DPT-2-45	23G2141-04
DPT-FB-2-11072023	23G2141-05
DPT-EQB-2-11072023	23G2141-06
5AVE-DPT-1-40	23G2141-07
5AVE-DPT-1-50	23G2141-08
DPT-FB-4-13072023	23G2141-09
DPT-EQB-3-13072023	23G2141-10
DPT-DUP-2_	23G2141-11

Performance criteria specified in the analytical method, USEPA Draft Method 1633, Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS, August 2021; as well as the New York Department of Environmental Conservation Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, January 2021, have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with "R," rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, "All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error."

1. **HOLDING TIME/SAMPLE HANDLING**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this sample delivery group (SDG) were received by the laboratory slightly above the proper temperature at 6.5 and 6.8 °C. Per validation guidance validation action was not required for a minor temperature exceedance. All holding time criteria were met.

2. **BLANK CONTAMINATION**

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during laboratory preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this SDG at the specified frequency. No problems were found for this criterion.

Calibration Blanks

No problems requiring result qualification were found for this criterion.

Field Blanks

The samples listed in the table below were submitted as field blank and equipment blanks in association with the samples in this SDG. No problems were found with this criterion.

DPT-FB-2-11072023	*DPT-EQB-2-11072023*
DPT-FB-4-13072023	*DPT-EQB-3-13072023*

3. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

An RSD value outside the initial calibration limit indicates the potential for quantitation errors. For this reason, all positive and non-detected results are qualified as estimated. Severe performance failures (RSD >90%) requires rejection of non-detected results. The following QC criteria have been applied for this project: The %RSD of initial calibration must be <20%.

The %D for all analytes in the continuing calibration must be <30% with the exception of the lowest level continuing calibration which must have all a %D for all analytes <50%. A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated "J," and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria for all target analytes.

4. **ISOTOPE DILUTION STANDARDS / SURROGATES**

All samples are spiked with isotope dilution or surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique.

No problems were found for this criterion.

5. **COMPOUND IDENTIFICATION**

Per-fluorinated Compounds

The project target analyte compounds are identified on the LC/MS/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra with primary and when available secondary characteristic ions present. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All sample analyses were evaluated at a Stage level 4. No problems were found.

The actual ratios of quantifier ion to qualifier ion or the laboratory's criteria were not provided by the laboratory for evaluation. In addition, signal to noise ratios for quantifier ions were not provided by the laboratory for evaluation. Therefore, these criteria were not assessed.

6. MATRIX SPIKE/MATRIX DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix. A matrix duplicate sample analysis is performed to determine long-term precision of the analytical method in a given matrix. The relative percent difference (RPD) between the sample and its duplicate may be used to qualify data.

Sample 5AVE-DPT-1-40 was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation all accuracy and precision indicators were acceptable.

7. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

No problems were found for this criterion.

8. REPORTING

No problems were found for this criterion.

9. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

10. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-DPT-1-50 and DPT-DUP-2 were analyzed as a field duplicate pair in association with this SDG. Upon evaluation adequate field precision was demonstrated.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Per-fluorinated Compounds		Major	Minor
Holding Time/Sample Handling	x		
Method Blanks / Calibration Blanks	x		
Field Blanks	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Isotope Dilution Standards / Surrogates	x		
Compound Identification	x		
Matrix Spike/Matrix Duplicate	x		
Laboratory Control Sample	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
EMPC	The result is an estimated maximum potential concentration.

Table 3
PFAS Definitions Table

	CAS Number	Compound	Abbreviation(s)
1	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA, PFECA B
2	113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid	PFEESA, PES
3	4151-50-2	N-ethylperfluoro-1-octanesulfonamide	NEtFOSA, NEtPFOSA
4	31506-32-8	N-methylperfuoro-1octanesulfonamide	NMeFOSA, NMePFOSA
5	377-73-1	Perfluoro-3-methoxypropanoic acid	PFMPA, PRMOPrA, PFECA F
6	375-73-5	Perfluorobutanesulfonic acid	PFBS
7	863090-89-5	Perfluoro-4-methoxybutanoic acid	PFMBA, PFMOBA, PFECA A
8	2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA
9	13252-13-6	Hexafluoropropylene Oxide Dimer Acid	HFPO-DA, Gen-X, HFPODA
10	2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA
11	375-22-4	Perfluorobutanoic acid	PFBA
12	335-67-1	Perfluorooctanoic acid	PFOA
13	2706-91-4	Perfluoropentanesulfonic acid	PFPeS
14	754-91-6	Perfluorooctanesulfonamide	FOSA, PFOSA
15	1763-23-1	Perfluorooctanesulfonic acid	PFOS
16	2706-90-3	Perfluoropentanoic acid	PFPeA
17	2058-94-8	Perfluoroundecanoic acid	PFUnA, PFUnDA
18	376-06-7	Perfluorotetradecanoic acid	PFTeA, PFTeDA
19	72629-94-8	Perfluorotridecanoic acid	PFTriA, PFTrDA
20	375-95-1	Perfluorononanoic acid	PFNA
21	79780-39-5	Perfluorododecanesulfonic acid	PFDoS
22	307-55-1	Perfluorododecanoic acid	PFDoA, PFDoDA
23	335-77-3	Perfluorodecanesulfonic acid	PFDS
24	335-76-2	Perfluorodecanoic acid	PFDA
25	375-92-8	Perfluoroheptanesulfonic Acid	PFHpS
26	307-24-4	Perfluorohexanoic acid	PFHxA
27	68259-12-1	Perfluorononanesulfonic acid	PFNS
28	375-85-9	Perfluoroheptanoic acid	PFHpA
29	355-46-4	Perfluorohexanesulfonic acid	PFHxS
30	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11CL-PF3Ouds, F-53 Minor
31	27619-97-2	6:2-Fluorotelomersulfonic acid	6:2 FTS
32	812-70-4	7:3 Fluorotelomer carboxylic acid	7:3 FTCA
33	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS
34	39108-34-4	8:2-Fluotelomersulfonic acid	8:2 FTS
35	914637-49-3	5:3 Fluorotelomer carboxylic acid	5:3 FTCA
36	1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	NEtPFOSAE, NEtFOSE
37	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid	DONA, ADONA
38	757124-72-4	4:2-Fluorotelomersulfonic acid	4:2 FTS

	CAS Number	Compound	Abbreviation(s)
39	24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	NMePFOSAE, NMeFOSE
40	356-02-5	3-Perfluoropropylpropanoic acid	3:3 FTCA

DATA VALIDATION REPORT

South Shore Outdoor

SDG: 24C0251

Chemical Analyses Performed by:

Con-Test, Pace Analytical Laboratory

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

May 16, 2024

5 Brilliant Avenue, Pittsburgh, PA 15215
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ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 24C0251

SAMPLE DATES: 02/28/2024

This sample delivery group consist of the following samples:

Sample Identification	Laboratory Identification	TO-15	TO-15 SIM
CVS-SV-2-28022024	24C0251-01	X	
CVS-SV-1-28022024	24C0251-02	X	
5AVE-SSV-3-28022024	24C0251-03	X	
5AVE-IA-3-28022024	24C0251-04	X	X
5AVE-SSV-2-28022024	24C0251-05	X	
5AVE-IA-2-28022024	24C0251-06	X	X
5AVE-SSV-1-28022024	24C0251-07	X	
5AVE-IA-1-28022024	24C0251-08	X	X
5AVE-OA-1-28022024	24C0251-09	X	
SSV-DUP-28022024	24C0251-10	X	
IA-DUP-28022024	24C0251-11	X	X

The samples described above were analyzed via methods USEPA TO-15 and/or USEPA TO-15 SIM to determine the concentrations of trace volatile organic analytes (VOAs) in air samples.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 Data Validation, HW-31, Rev. 6, June 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R”, rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL.

Storage Blanks

No storage blanks were required for this sample delivery group (SDG).

Trip Blanks

No trip blanks were submitted in association with this SDG.

Field Blanks

No field blanks were submitted in association with this SDG.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 24-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Note, no closing continuing calibration verifications were performed in association with this SDG.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the volatile organic analysis (VOA) target compound list (TCL) must be ≥0.05 in both the initial and continuing calibrations with exception of poor response compounds, where RRFs must be ≥0.01. Additionally, the RRF in the closing continuing calibration must be ≥0.01. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05, or <0.01 for poor response compounds, or the RRF for the closing continuing calibration is <0.01 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <30%.

An RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated. Severe performance failures (RSD >90%) require qualification of non-detected results as well.

The %D for continuing calibration must be <30%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated, and non-detects are qualified with "UJ".

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 20 seconds from the associated continuing calibration standard. The area count must be within -60% to +140% range of the associated standard. If area count is >140% non-detected results are not qualified while positive results are qualified "J", estimated. However, when an observed area count is <60%, positive results are qualified "J" estimated while non-detected results are rejected.

The reported analysis for all samples, lab control sample, and associated method blanks had internal standard areas and retention times within QC criteria in all cases.

6. COMPOUND IDENTIFICATION

Volatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound, and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified "NJ", tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J", estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J", estimated.

Tentatively identified compounds were not reported by the laboratory and were not evaluated for this program.

7. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

All LCS accuracy indicators were favorable.

8. MATRIX DUPLICATE

The matrix duplicate (MD) is generated to determine the precision of the analytical procedure in a given sample matrix.

Sample SSV-DUP-28022024 was submitted for MD evaluation in association with this sample delivery group (SDG). Upon evaluation all precision indicators were favorable with the following exception. The observed precision for dichlorodifluoromethane was outside acceptance limits. The result reported for the impacted analyte in the parent sample has been qualified "J" on this basis.

9. REPORTING

No problems were found for this criterion.

10. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

Ethanol exceeded the upper calibration range of the instrument for the samples listed below. The ethanol results have been qualified "J" on this basis.

5AVE-SSV-3-28022024	*5AVE-IA-2-28022024*	*5AVE-OA-1-28022024*
5AVE-IA-3-28022024	*5AVE-IA-1-28022024*	*IA-DUP-28022024*

In addition, isopropanol and methyl ethyl ketone (2-Butanone) exceeded the upper calibration range of the instrument for samples5AVE-IA-3-28022024 and IA-DUP-28022024 respectively. The impacted results reported in these cases have been qualified "J" on this basis.

11. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-IA-2-282024 and IA-DUP-28022024 were submitted as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated with the exception of ethyl acetate and 2-butanone. The results for the impacted analytes in the field duplicate samples have been qualified "J" on this basis.

Samples 5AVE-SSV-2-28022024 and SSV-DUP-28022024 were submitted as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated with the exception of ethanol. The results for the impacted analyte in the field duplicate samples have been qualified "J" on this basis.

12. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Clean canisters were used to transport air samples in this SDG. All criteria were met to ensure containers were appropriate for sample storage.

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	NA		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Duplicate			x
Laboratory Control Sample	x		
Reporting	x		
Other Quality Control Data out of Specification			x
Field Duplicate			x

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

DATA VALIDATION REPORT

South Shore Outdoor

SDGs: 23G2057, 23G2098, 23G2118, 23G2119 and 23G2141

Chemical Analyses Performed by:

Con-Test, Pace Analytical Laboratory

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

October 31, 2023

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ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 23G2057

SAMPLE DATES: 07/13/2023

This sample delivery group consist of the following samples:

Sample Identification	Laboratory Identification
5AVE-SV-1_13072023	23G2057-01
5AVE-SV-2_13072023	23G2057-02
ABI-SV-1_13072023	23G2057-03
SV-DUP-1	23G2057-04

The samples described above were analyzed via methods USEPA TO-15 and/or USEPA TO-15 SIM to determine the concentrations of trace volatile organic analytes (VOAs) in air samples.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 Data Validation, HW-31, Rev. 6, June 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R”, rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) with the exception of 1,2-dibromoethane. Positive sample results for the impacted analytes have been evaluated and qualified per validation guidance as appropriate.

Storage Blanks

No storage blanks were required for this sample delivery group (SDG).

Trip Blanks

No trip blanks were submitted in association with this SDG.

Field Blanks

No field blanks were submitted in association with this SDG.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 24-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Note, no closing continuing calibration verifications were performed in association with this SDG.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the volatile organic analysis (VOA) target compound list (TCL) must be ≥0.05 in both the initial and continuing calibrations with exception of poor response compounds, where RRFs must be ≥0.01. Additionally, the RRF in the closing continuing calibration must be ≥0.01. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05, or <0.01 for poor response compounds, or the RRF for the closing continuing calibration is <0.01 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <30%.

An RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated. Severe performance failures (RSD >90%) require qualification of non-detected results as well.

The %D for continuing calibration must be <30%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated, and non-detects are qualified with "UJ".

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions.

The %D value for the target analyte dichlorodifluoromethane was outside of acceptance limits for the continuing calibration verification (CCV) analyzed on instrument SYSJ on 07/25/2023. All samples are associated with the non-compliant CCV. The results reported for the impacted analyte has been qualified estimated "J" on this basis.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 20 seconds from the associated continuing calibration standard. The area count must be within -60% to +140% range of the associated standard. If area count is >140% non-detected results are not qualified while positive results are qualified "J", estimated. However, when an observed area count is <60%, positive results are qualified "J" estimated while non-detected results are rejected.

The reported analysis for all samples, lab control sample, and associated method blanks had internal standard areas and retention times within QC criteria in all cases.

6. COMPOUND IDENTIFICATION

Volatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound, and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified "NJ", tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J", estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J", estimated.

Tentatively identified compounds were not reported by the laboratory and were not evaluated for this program.

7. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

All LCS accuracy indicators were favorable or did not require qualification of sample results with the following exceptions.

The observed recoveries for the analytes listed below were higher than the highest acceptance limits. All samples in this SDG are associated with the non-compliant LCS. Potential high bias is indicated. The positive results reported for the impacted analytes have been qualified estimated "J" on this basis.

dichlorodifluoromethane	*ethanol*
naphthalene	*trichlorofluoromethane*

8. REPORTING

No problems were found for this criterion.

9. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

10. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples ABI-SV-1_20230713 and SV-DUP-1 were submitted as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Clean canisters were used to transport air samples in this SDG. All criteria were met to ensure containers were appropriate for sample storage.

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks			x
Storage Blanks	NA		
Trip Blanks	NA		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Laboratory Control Sample			x
Reporting	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR 1,4-DIOXANE

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, A Pace Analytical Laboratory

SAMPLE DELIVERY GROUPS: 23G2098

SAMPLE DATES: 07/11/2023, 07/13/2023

The above sample delivery group (SDG) consist of the following samples:

Client Sample ID	Laboratory Sample ID
5AVE-DPT-2-45	23G2098-01
5AVE-DPT-2-35	23G2098-02
5AVE-DPT-3-50	23G2098-03
5AVE-DPT-3-40	23G2098-04
DPT-EQB-2-11072023	23G2098-05
DPT-EQB-3-13072023	23G2098-06
5AVE-DPT-1-40	23G2098-07
DPT-DUP-2	23G2098-08
5AVE-DPT-1-50	23G2098-09

The samples described above were analyzed via USEPA SW-846 8270E SIM to determine the concentrations of 1,4-dioxane. The method was modified to include isotopic dilution quantitation.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, HW-22 Revision 5, December 2010, have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R,” rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines with the following exceptions. Samples 5AVE-DPT-1-40 and 5AVE-DPT-1-50 were re-extracted outside the required holding time. The impacted sample results have been qualified estimated "UJ" on this basis.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during laboratory preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

No problems were found for this criterion.

Field Blanks

Samples DPT-EQB-2-11072023 and DPT-EQB-3-13072023 were submitted as field/equipment blanks in association with this SDG. No problems were found for this criterion.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for semivolatiles is decafluorotriphenylphosphine (DFTPP).

All instrument tunes were fully compliant.

4. CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instrument's responses to specific chemical compounds. The response factors for the base neutral acid (BNA) target compound list (TCL) analytes must be ≥0.05 in both the initial and continuing calibrations. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Note: No closing continuing calibration was performed.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <20%.

An RSD value outside the initial calibration limit indicates the potential for quantitation errors. For this reason, all positive and non-detected results are qualified as estimated. Severe performance failures (RSD >90%) requires rejection of non-detected results.

The %D for continuing calibration must be <20%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated "J," and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined quality control criteria without exception.

Note: No closing continuing calibration was performed.

5. INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatograph/mass spectrometer (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/-30 seconds from the associated continuing calibration standard. The area count must be within -50% to 200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results are qualified "J," estimated. When an observed area count is <50%, results are qualified "J" or "UJ" as appropriate; however, should area counts be <25%, all associated non-detects are qualified "R," rejected.

The reported sample analyses and associated method blank had internal standard areas and retention times within acceptance criteria in all cases.

6. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique.

The reported sample analyses and method blank had observed surrogate recoveries within the limits established by the laboratory in all cases.

7. COMPOUND IDENTIFICATION

Semivolatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 5AVE-DPT-1-40 was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation all precision and accuracy indicators were favorable.

9. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

No problems were found for this criterion.

10. REPORTING

No dilutions, re-extractions, or other re-analyses were performed other than those necessary to bring positive instrument signals within the linear range with the following exception.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

No problems were found for this criterion with the following exception. The reported result exceeded the linear calibration range for sample 819017-BRW-01-09212022 and has been qualified "J" on this basis.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-DPT-1-50 and DPT-DUP-2 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
1,4-Dioxane		**Major**	**Minor**
Holding Time/Sample Handling			x
Method Blanks	x		
Field Blanks	x		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards Performance	x		
Surrogates	x		
Compound Identification - Semivolatile	x		
Tentatively Identified Compounds - Semivolatile	NA		
Matrix Spike/Matrix Spike Duplicate	x		
Laboratory Control Sample	x		
Other Quality Control Data out of Linear Range	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
UJ-	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise, and the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUPS: 23G2118

SAMPLE DATES: 07/10/2023-07/12/2023

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
CLAR-DPT-1-35	23G2118-01
CLAR-DPT-1-45	23G2118-02
CLAR-DPT-1-55	23G2118-03
DPT-DUP-1	23G2118-04
DPT-FB-1_20230710	23G2118-05
DPT-EQB-1_20230710	23G2118-06
CLAR-DPT-2-35	23G2118-07
CLAR-DPT-2-45	23G2118-08
CLAR-DPT-2-55	23G2118-09
5AVE-DPT-3-40	23G2118-10
5AVE-DPT-3-50	23G2118-11
5AVE-DPT-2-35	23G2118-12
5AVE-DPT-2-45	23G2118-13
DPT-FB-2_20230711	23G2118-14
DPT-EQB-2_20230711	23G2118-15
ABI-DPT-1-35	23G2118-16
ABI-DPT-1-45	23G2118-17
DPT-FB-3_20230712	23G2118-18
ABI-DPT-2-35	23G2118-19
ABI-DPT-2-45	23G2118-20

The samples described above were analyzed via USEPA SW-846 8260D to determine the concentrations of low/medium volatile organic analytes (VOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP NO. HW-24 Revision 4, September 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R,” rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.”

1. **HOLDING TIME/SAMPLE HANDLING**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this sample delivery group (SDG) were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples used for reporting in this SDG were prepared and analyzed within the holding time specified in the validation guidelines.

2. **BLANK CONTAMINATION**

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in these SDGs at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were submitted in association with this SDG.

Trip Blanks

No sample was submitted as a trip blank in association with this SDG.

Field Blanks

Samples listed below were submitted as field/equipment blanks in association with this SDG. Methylene chloride was positively identified in the blanks. Positive methylene chloride results in the associated samples were evaluated and qualified per validation guidance as appropriate.

DPT-EQB-1_20230710	*DPT-FB-1_20230710*	*DPT-FB-3_20230712*
DPT-EQB-2_2023071	*DPT-FB-2_20230711*	

3. **MASS SPECTROMETER TUNING**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with these SDGs were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification, and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the VOA target compound list (TCL) compounds must be greater than the RRFs listed in Region II validation guidelines. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is below the specified limit for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations for method 8260D were found to be acceptable except for 1,4-dioxane which exhibited an extremely low RRF (<0.01). The 1,4-dioxane results in the associated samples were all non-detect and have been qualified "R", rejected on this basis.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be ≤20%.

A %RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated and non-detect results are qualified using professional judgement.

The %D for opening continuing calibration must be ≤30%

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as "J," estimated, and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions.

The observed %D recoveries for the analytes listed below were outside of the acceptable limits in the CCV associated with all samples in this SDG. The results reported for the impacted analytes in all the samples were non-detect and have been qualified "UJ" on this basis.

tert-butyl alcohol	*carbon tetrachloride*	*1,2-dibromo-3-chloropropane*
trans-1,4-dichloro-2-butene	*2,2-dichloropropane*	*1,4-dioxane*
naphthalene	*1,2,3-trichlorobenzene*	*1,2,4-trichlorobenzene*

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to +200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results associated with the non-compliant internal standard are qualified "J," estimated. However, when an observed area count is <50%, positive results associated with the non-compliant are qualified "J," estimated, while non-detected results are rejected.

Internal standard area counts are within acceptance criteria for all samples.

6. **SURROGATES**

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique. The observed recovery must be within laboratory limits as outlined in the project specific validation guidance.

The reported sample analyses had observed surrogate recoveries within the established acceptance limits in all cases.

7. COMPOUND IDENTIFICATION

Volatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated, and all identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

Volatile TICs were not reported.

8. **MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample CLAR-DPT-1-35 was submitted for MS/MSD pair evaluation in association with this SDG. Upon evaluation precision and accuracy indicators were acceptable or did not result in a need to qualify sample results with the following exceptions. The observed MS and MSD recoveries for fourteen compounds were lower than the lowest acceptance limit in both the MS and MSD. The results reported for the impacted analytes in the parent sample were non-detect and have been qualified "UJ" on this basis.

9. **LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE**

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS/LCS duplicate evaluations were processed at the proper frequency. Upon evaluation all accuracy and precision criteria were acceptable.

10. **REPORTING**

No dilutions, re-extractions, or other re-analyses were performed other than those necessary to bring positive instrument signals within the linear range.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples CLAR-DPT-1-55 and DPT-DUP-1 were analyzed as a field duplicate pair in association with these SDGs. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	x		
Field Blanks			x
Mass Spectrometer Tuning	x		
Calibration Response Factor		x	
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Surrogates	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Spike/Matrix Spike Duplicate			x
Laboratory Control Sample/Laboratory Control Sample Duplicate	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, Pace Analytical Laboratory

SAMPLE DELIVERY GROUPS: 23G2119

SAMPLE DATES: 07/10/2023, 07/13/2023

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
BEL-DPT-2-35	23G2119-01
BEL-DPT-2-45	23G2119-02
BEL-DPT-1-35	23G2119-03
BEL-DPT-1-45	23G2119-04
BEL-DPT-2-55	23G2119-05
BEL-DPT-1-55	23G2119-06
5AVE-DPT-1-40	23G2119-07
5AVE-DPT-1-50	23G2119-08
DPT-FB-4-13072023	23G2119-09
DPT-EQB-3-13072023	23G2119-10
DPT-DUP-2	23G2119-11
CW-01-130723	23G2119-12
MW-DUP-1-13072023	23G2119-13
FN-19-13072023	23G2119-14
VOC TRIP BLANK	23G2119-15

The samples described above were analyzed via USEPA SW-846 8260D to determine the concentrations of low/medium volatile organic analytes (VOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP NO. HW-24 Revision 4, September 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R,” rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.”

1. **HOLDING TIME/SAMPLE HANDLING**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this sample delivery group (SDG) were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples used for reporting in this SDG were prepared and analyzed within the holding time specified in the validation guidelines.

2. **BLANK CONTAMINATION**

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in these SDGs at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were submitted in association with this SDG.

Trip Blanks

Sample VOC TRIP BLANK was submitted as a trip blank in association with this SDG. Methylene chloride was positively identified. Positive methylene chloride results in the associated samples were evaluated and qualified per validation guidance as appropriate.

Field Blanks

Samples DPT-FB-4-13072023 and DPT-EQB-3-13072023 were submitted as field/equipment blanks in association with this SDG. Methylene chloride was positively identified. Positive methylene chloride results in the associated samples were evaluated and qualified per validation guidance as appropriate.

3. **MASS SPECTROMETER TUNING**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with these SDGs were fully compliant.

4. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification, and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the VOA target compound list (TCL) compounds must be greater than the RRFs listed in Region II validation guidelines. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is below the specified limit for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations for method 8260D were found to be acceptable except for 1,4-dioxane which exhibited an extremely low RRF (<0.01). The 1,4-dioxane results in the associated samples were all non-detect and have been qualified "R", rejected on this basis.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be ≤20%.

A %RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated and non-detect results are qualified using professional judgement.

The %D for opening continuing calibration must be ≤30%

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as "J," estimated, and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions.

The observed %D recoveries for the analytes listed below were outside of the acceptable limits in the CCV associated with all samples in this SDG. The results reported for the impacted analytes in all the samples were non-detect and have been qualified "UJ" on this basis unless previously qualified "R" rejected.

tert-butyl alcohol	*carbon tetrachloride*	*bromoform*
trans-1,4-dichloro-2-butene	*1,2,4-trichlorobenzene*	*1,4-dioxane*
naphthalene		

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to +200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results associated with the non-compliant internal standard are qualified "J," estimated. However, when an observed area count is <50%, positive results associated with the non-compliant are qualified "J," estimated, while non-detected results are rejected.

Internal standard area counts are within acceptance criteria for all samples.

6. **SURROGATES**

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique. The observed recovery must be within laboratory limits as outlined in the project specific validation guidance.

The reported sample analyses had observed surrogate recoveries within the established acceptance limits in all cases.

7. COMPOUND IDENTIFICATION

Volatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated, and all identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

Volatile TICs were not reported.

8. **MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 5AVE-DPT-1-40 was submitted for MS/MSD pair evaluation in association with this SDG. Upon evaluation precision and accuracy indicators were acceptable or did not result in a need to qualify sample results with the following exceptions. The observed recoveries for the compounds listed below were lower than the lowest acceptance limit in both the MS and MSD. The results reported for the impacted analytes in the parent sample were all non-detect and have been qualified "UJ" on this basis.

tert-butyl alcohol	*trans-1,4-dichloro-2-butene*	*methyl acetate*
naphthalene	*1,2,4-trichlorobenzene*	

The observed recovery for 1,1,1-trichloroethane was higher than the highest acceptance limit in both the MS and MSD. The results reported for the impacted analyte in the parent sample has been qualified "J+" on this basis.

Sample FN-19-13072023 was submitted for MS/MSD pair evaluation in association with this SDG. Upon evaluation precision and accuracy indicators were acceptable or did not result in a need to qualify sample results with the following exceptions. The observed recoveries for the compounds listed below were lower than the lowest acceptance limit in both the MS and MSD. The results reported for the impacted analytes in the parent sample were all non-detect and have been qualified "UJ" on this basis.

tert-butyl alcohol	*trans-1,4-dichloro-2-butene*	*methyl acetate*
naphthalene	*1,2,4-trichlorobenzene*	

9. **LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE**

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS/LCS duplicate evaluations were processed at the proper frequency. Upon evaluation all accuracy and precision criteria were acceptable.

10. **REPORTING**

No dilutions, re-extractions, or other re-analyses were performed other than those necessary to bring positive instrument signals within the linear range.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

No problems were found for this criterion.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-DPT-1-50 and DPT-DUP-2 were analyzed as a field duplicate pair in association with these SDGs. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks			x
Field Blanks			x
Mass Spectrometer Tuning	x		
Calibration Response Factor		x	
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Surrogates	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Spike/Matrix Spike Duplicate			x
Laboratory Control Sample/Laboratory Control Sample Duplicate	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR PER-FLUORINATED ALKYL ACIDS

PROJECT: South Shore Outdoor

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, A Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 23G2141

SAMPLE DATES: 07/11/2023 and 07/13/2023

This sample delivery group consists of the following samples:

Client Sample ID	Laboratory Sample ID
5AVE-DPT-3-40	23G2141-01
5AVE-DPT-3-50	23G2141-02
5AVE-DPT-2-35	23G2141-03
5AVE-DPT-2-45	23G2141-04
DPT-FB-2-11072023	23G2141-05
DPT-EQB-2-11072023	23G2141-06
5AVE-DPT-1-40	23G2141-07
5AVE-DPT-1-50	23G2141-08
DPT-FB-4-13072023	23G2141-09
DPT-EQB-3-13072023	23G2141-10
DPT-DUP-2_	23G2141-11

Performance criteria specified in the analytical method, USEPA Draft Method 1633, Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS, August 2021; as well as the New York Department of Environmental Conservation Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, January 2021, have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with "R," rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, "All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error."

1. **HOLDING TIME/SAMPLE HANDLING**

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this sample delivery group (SDG) were received by the laboratory slightly above the proper temperature at 6.5 and 6.8 °C. Per validation guidance validation action was not required for a minor temperature exceedance. All holding time criteria were met.

2. **BLANK CONTAMINATION**

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during laboratory preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this SDG at the specified frequency. No problems were found for this criterion.

Calibration Blanks

No problems requiring result qualification were found for this criterion.

Field Blanks

The samples listed in the table below were submitted as field blank and equipment blanks in association with the samples in this SDG. No problems were found with this criterion.

DPT-FB-2-11072023	*DPT-EQB-2-11072023*
DPT-FB-4-13072023	*DPT-EQB-3-13072023*

3. **CALIBRATION**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

An RSD value outside the initial calibration limit indicates the potential for quantitation errors. For this reason, all positive and non-detected results are qualified as estimated. Severe performance failures (RSD >90%) requires rejection of non-detected results. The following QC criteria have been applied for this project: The %RSD of initial calibration must be <20%.

The %D for all analytes in the continuing calibration must be <30% with the exception of the lowest level continuing calibration which must have all a %D for all analytes <50%. A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated "J," and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria for all target analytes.

4. **ISOTOPE DILUTION STANDARDS / SURROGATES**

All samples are spiked with isotope dilution or surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique.

No problems were found for this criterion.

5. **COMPOUND IDENTIFICATION**

Per-fluorinated Compounds

The project target analyte compounds are identified on the LC/MS/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra with primary and when available secondary characteristic ions present. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All sample analyses were evaluated at a Stage level 4. No problems were found.

The actual ratios of quantifier ion to qualifier ion or the laboratory's criteria were not provided by the laboratory for evaluation. In addition, signal to noise ratios for quantifier ions were not provided by the laboratory for evaluation. Therefore, these criteria were not assessed.

6. MATRIX SPIKE/MATRIX DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix. A matrix duplicate sample analysis is performed to determine long-term precision of the analytical method in a given matrix. The relative percent difference (RPD) between the sample and its duplicate may be used to qualify data.

Sample 5AVE-DPT-1-40 was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation all accuracy and precision indicators were acceptable.

7. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

No problems were found for this criterion.

8. REPORTING

No problems were found for this criterion.

9. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

10. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 5AVE-DPT-1-50 and DPT-DUP-2 were analyzed as a field duplicate pair in association with this SDG. Upon evaluation adequate field precision was demonstrated.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Per-fluorinated Compounds		Major	Minor
Holding Time/Sample Handling	x		
Method Blanks / Calibration Blanks	x		
Field Blanks	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Isotope Dilution Standards / Surrogates	x		
Compound Identification	x		
Matrix Spike/Matrix Duplicate	x		
Laboratory Control Sample	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
EMPC	The result is an estimated maximum potential concentration.

Table 3
PFAS Definitions Table

	CAS Number	Compound	Abbreviation(s)
1	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA, PFECA B
2	113507-82-7	Perfluoro (2-ethoxyethane) sulfonic acid	PFEESA, PES
3	4151-50-2	N-ethylperfluoro-1-octanesulfonamide	NEtFOSA, NEtPFOSA
4	31506-32-8	N-methylperfuoro-1octanesulfonamide	NMeFOSA, NMePFOSA
5	377-73-1	Perfluoro-3-methoxypropanoic acid	PFMPA, PRMOPrA, PFECA F
6	375-73-5	Perfluorobutanesulfonic acid	PFBS
7	863090-89-5	Perfluoro-4-methoxybutanoic acid	PFMBA, PFMOBA, PFECA A
8	2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid	NMeFOSAA
9	13252-13-6	Hexafluoropropylene Oxide Dimer Acid	HFPO-DA, Gen-X, HFPODA
10	2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid	NEtFOSAA
11	375-22-4	Perfluorobutanoic acid	PFBA
12	335-67-1	Perfluorooctanoic acid	PFOA
13	2706-91-4	Perfluoropentanesulfonic acid	PFPeS
14	754-91-6	Perfluorooctanesulfonamide	FOSA, PFOSA
15	1763-23-1	Perfluorooctanesulfonic acid	PFOS
16	2706-90-3	Perfluoropentanoic acid	PFPeA
17	2058-94-8	Perfluoroundecanoic acid	PFUnA, PFUnDA
18	376-06-7	Perfluorotetradecanoic acid	PFTeA, PFTeDA
19	72629-94-8	Perfluorotridecanoic acid	PFTriA, PFTrDA
20	375-95-1	Perfluorononanoic acid	PFNA
21	79780-39-5	Perfluorododecanesulfonic acid	PFDoS
22	307-55-1	Perfluorododecanoic acid	PFDoA, PFDoDA
23	335-77-3	Perfluorodecanesulfonic acid	PFDS
24	335-76-2	Perfluorodecanoic acid	PFDA
25	375-92-8	Perfluoroheptanesulfonic Acid	PFHpS
26	307-24-4	Perfluorohexanoic acid	PFHxA
27	68259-12-1	Perfluorononanesulfonic acid	PFNS
28	375-85-9	Perfluoroheptanoic acid	PFHpA
29	355-46-4	Perfluorohexanesulfonic acid	PFHxS
30	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11CL-PF3Ouds, F-53 Minor
31	27619-97-2	6:2-Fluorotelomersulfonic acid	6:2 FTS
32	812-70-4	7:3 Fluorotelomer carboxylic acid	7:3 FTCA
33	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS
34	39108-34-4	8:2-Fluotelomersulfonic acid	8:2 FTS
35	914637-49-3	5:3 Fluorotelomer carboxylic acid	5:3 FTCA
36	1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	NEtPFOSAE, NEtFOSE
37	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid	DONA, ADONA
38	757124-72-4	4:2-Fluorotelomersulfonic acid	4:2 FTS

	CAS Number	Compound	Abbreviation(s)
39	24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	NMePFOSAE, NMeFOSE
40	356-02-5	3-Perfluoropropylpropanoic acid	3:3 FTCA